

# إعادة ترتيب أسئلة يزيد و عباس \_ بنفس ترقيم أسئلتهم  
# الأسئلة مصنفة \_ كل قسم لحالة تختصر الوقت

01-08-2022 #

Up Date No.1 \_ TAHANI #

# بعض الأسئلة عليها نقاش احتفظ الملف بالإجابتين

# الأفكار ... مرحب فيها

# نصائح: البرفسور عبد المتعال فوده يوتیوب [اضغط](#)

.... دعواتكم #

1	ADM	38- What database do insurance companies use? A- C.L.U.E." database Comprehensive Loss Underwriting Exchange	A
2	ADM	39- Sources of data in insurance companies? A- CLAIMS b- Health data C- Information collection	A
3	ADM	49- Which of the following error detection strategies result in limiting detection ? A- bar-coding B- trigger tools C- voluntary reporting D- mandatory reporting	D
4	ADM	55- Mid goal to long term future goal? A- Mission B- Vision A- Plan	B
5	ADM	77- Preventive and curative institution is ? A. primary B. secondary C. tertiary D. specialty	B
6	ADM	177- Mission and vision can be present in which strategy ? A. Planning B. Organization C. Strategic	C
7	ADM	183- Long term plan use all aspects in organization A- strategy B- operation C- organization	A

8	ADM	184- pharmacist wrote email to another pharmacist to ask add medication to the formulary in the hospital this is consider as ? A. Inter institutional B. Intra institutional C. Written communication D. Non Verbal communication	C
9	ADM	206-Head of pharmacy decide to make group to arrange formulary drugs in hospital? A. organizing B. planning C. Leading	B
10	ADM	252- who's responsible for accreditation of health care system? A- SFDA B- WHO C- MOH D- CBAHI	D
11	ADM	360- You received a prescription on a plain paper what to do ? A. Tell the manager B. Talk to the prescriber and don't dispense	B
12	ADM	409- pharmacist manager screemed on one of the pharmacist who dispensed wrong medication in front of all the staff what is the good response ? A. he should punish him in separate area B. ask for a meeting with the staff C. cut from his salary D. try to find the cause of the error and set solutions	D
13	ADM	<b>14)</b> Which of the following is the function of the pharmacy and therapeutic committee in a hospital? A. Responsible for poison management B. Monitor the adverse reaction reporting C. Monitor the medication error reporting D. Responsible for drug formulary management	D
14	ADM	<b>70-</b> Which of the following distribution systems works better for medicine requiring a higher level of control? A. Bulk ward stock B. Direct procurement C. Automated dispensing D. Individual medication order	C
15	ADM	<b>77-</b> Which of the following committees is dedicated to developing and maintaining a list of approved medicine for the hospital medicines for the hospital use ? A. Medical records B. Medication audit	D

		C. Quality assurance D. Pharmacy and therapeutics	
16	ADM	<p><b>66- Which of the following is the definition of management?</b></p> <p>A) The art of maximizing profitability B) The art of maximizing productivity C)The art of maximizing possibilities D)The art of maximizing predictability</p>	B
17	ADM	<p><b>72- A 65-year-old man presents to the pharmacy for a refill his medications. On review of his refill history, the pharmacist noticed that he does not refill his medications regularly. Upon asking him, the patient started that he has multiple medications that require complex administration.</b></p> <p><b>Which of the following non adherence factors affecting above patient?</b></p> <p>A. Patient related factors B. Provider related factors C. Health care system factors D. Medication and condition factor</p>	D
18	ADM	<p><b>24- which of the following need to be considered first by a pharmacist in order to rationalize drug therapy decisions?</b></p> <p>A. Care plan B. Follow-up evaluations C. Pharmacotherapy workup</p>	C
19	ADM	<p><b>75- It is the broad range of health care services provided by in order to optimize therapeutic outcomes for individual patients</b></p> <p><b>Which of the following is the term used to describe the above- mentioned definition?</b></p> <p>A. Pharmaceutical care B. Medication counseling C. Medication reconciliation D. Medication therapy management</p>	D
20	ADM	<p><b>91- Free medical sample drugs (formulary or non-formulary) are provided by pharmaceutical sales representatives to physicians or members of the health care team.</b></p> <p><b>Which of the following is the most appropriate recommended policy for dealing with sample drugs?</b></p> <p>A. Dispense them directly to the patient B. Keep them with the rest of original items C. Keep in outpatient clinics or nursing units D. Exclude them from in-patient pharmacy, drug store or doctors' offices</p>	D
21	ADM	<p><b>The hierarchy is showing Hospital X organizational chart. A pharmacist assigned as a clinical pharmacist in neuroscience ward (see image)</b></p> <p><b>Which of the following managerial position will the coworker re submitting a complaint?</b></p> <p>A) Pharmacy Director</p>	D

		B) Medical affair Director C) Neuroscience ward director D) Clinical pharmacy department Head	
22	ADMIN	157- Most on prescription? A- Patient name - mrn- date B- Phystion name - numeber - signature C- Pateint name - age - sex - daignosis D- all above	D
23	ADVERSE EFE	36-which of the following medication has a side effect metalic taste ? A) cefuroxime B) azithromycin C) ciprofloxacin D) metronidazole	D
24	ANEMI	118- What is the type of anemia Lack of intrinsic factor? A- Megaloblastic anemia B- Pernicious anemia C- Hemolytic anemia D- Aplastic anemia	B
25	ANES	42- which of the following anesthetics drug has a higher risk of causing hepatic toxicity? A) propofol B) ketamine C) isoflurane D) nitrous oxide	C
26	ANESTH	16- Which of the following is the advantage of using intravenous anesthetic drug? A. Produce fast onset of anesthesia B. Helps in maintaining anesthesia C. Increases the minimum alveolar concentration (MAC) of the anesthetic drugs D. Produce less cardiovascular and respiratory suppression	A
27	ANS	84- Which of the following is the mode of action of Phentolamine? A. beta-adrenergic blocker B. beta-adrenergic agonist C. alpha-adrenergic agonist D. alpha-adrenergic blocker (non selective alpha blocker)	D
28	ANS	22- Which of the following is a consequence of stimulation of $\alpha_1$ -Adrenoceptors? A. A flushing Adrenergic Receptors B. increased heart rate C. constricted bronchioles D. elevated blood pressure	D

29	ANS	<p>24- which drug is used to treat an anaphylactic reaction?</p> <ul style="list-style-type: none"> <li>A. Atropine</li> <li>B. Adrenaline</li> <li>C. Isoprinosine</li> <li>D. Phentolamine</li> </ul>	B
30	ANS	<p>30- Which of the following is a property of amphetamine?</p> <ul style="list-style-type: none"> <li>A. It does not cross the blood brain barrier</li> <li>B. It stimulates the release of stored acetylcholine</li> <li>C. It stimulates the release of stored norepinephrine</li> <li>D. It stimulates the release of five hydroxytryptophan (5-HT)</li> </ul>	C
31	ANS	<p>50-A 25-year-old driver was held for reckless driving and confronting a policeman. He is too confident, talkative, restless and continuously walking around the hall.</p> <p>Which of the following is the drug that the driver is abusing?</p> <ul style="list-style-type: none"> <li>A. Diazepam</li> <li>B. Theophylline</li> <li>C. Amphetamine</li> <li>D. Lysergic acid diethylamide (LSD)</li> </ul>	C
32	ANS	<p>72- What is the pharmacological classification of Ipratropium bromide?</p> <ul style="list-style-type: none"> <li>A. Beta agonist</li> <li>B. Alpha agonist</li> <li>C. Cholinergic agonist</li> <li>D. Antimuscarinic agent</li> </ul>	D
33	ANS	<p>14- Which of the following is a consequence of stimulation of α1 - adrenoceptors?</p> <ul style="list-style-type: none"> <li>A. flushing</li> <li>B. increased heart rate</li> <li>C. constricted bronchioles</li> <li>D. elevated blood pressure</li> </ul>	D
34	ANS	<p>77- Which of the following describes the mechanism of action of rivastigmine?</p> <ul style="list-style-type: none"> <li>A. cholinesterase inhibitor</li> <li>B. alpha-a receptor inhibitor</li> <li>C. serotonin reuptake inhibitor</li> <li>D. angiotensin converting enzyme inhibitor</li> </ul>	A
35	ANS	<p>106- Drug to reverse action of Atropine?</p> <ul style="list-style-type: none"> <li>A. Physostigmine</li> <li>B. Benztropine</li> <li>C. Disulfiram</li> <li>D. Propranolol</li> </ul>	A
36	ans	<p>301-Catechol amine with COMT ?</p> <p>A- rapid metabolism B- slow metabolism</p>	A

37	ANSE	<p><b>55-</b> A 21-year-old patient went through respiratory depression after receiving anesthetic agent. Which of the following agents will counteract post-anesthetic respiratory depression?</p> <ul style="list-style-type: none"> <li>A. morphine</li> <li>B. picrotoxin</li> <li>C. diazepam</li> <li>D. thiopental</li> </ul>	B
38	ANSE	<p><b>76-</b> Which of the following drugs would decrease the amount of minimum alveolar concentration (MAC) for an anesthetic drug?</p> <ul style="list-style-type: none"> <li>A. diazepam</li> <li>B. buspirone</li> <li>C. ephedrine</li> <li>D. loratadine</li> </ul>	A
39	ANSE	<p><b>83-</b> Which of the following anesthetics drugs has a higher risk of causing anemia?</p> <ul style="list-style-type: none"> <li>A. propofol</li> <li>B. ketamine</li> <li>C. isoflurane</li> <li>D. nitrous oxide</li> </ul>	D
40	ANSE	<p><b>71-</b> Which depolarizing neuromuscular blocker is less potent than tubocurarine?</p> <ul style="list-style-type: none"> <li>A. succinylcholine (Anectine)</li> <li>B. rocuronium (Zemuron)</li> <li>C. pipecuronium (Arduan)</li> <li>D. doxacurium (Nuromax)</li> </ul>	A
41	ANTIDO	<p><b>100-</b> Which of the following is heparin antidote?</p> <ul style="list-style-type: none"> <li>A. Protamine Sulphate</li> <li>B. Octreotide</li> <li>C. N-Acetylcysteine</li> <li>D. Naloxone Hydrochloride</li> </ul>	A
42	antidote	<p><b>32-</b> What is the antidote for heparin toxicity?</p> <ul style="list-style-type: none"> <li>A. Protamine sulfate</li> <li>B. Sodium salicylate</li> <li>C. Naloxone</li> <li>D. Glucagon</li> </ul>	A
43	ANTIDOTE	<p><b>9-</b> Which of the following situation is most likely to be controlled by administering parenteral calcium as an antidote?</p> <ul style="list-style-type: none"> <li>A. Hypokalemia</li> <li>B. Verapamil overdose</li> <li>C. Heroine intoxication</li> <li>D. Cocaine intoxication</li> </ul>	B
44	ANTIDOT E	<p><b>11-A</b> 55-year-old man presents with an excessive bronchial and oconasal secretions. History revealed, is exposed to an organophosphate insecticide. Which of the following is the best management?</p> <ul style="list-style-type: none"> <li>A. Atropine IV</li> </ul>	A

		B. Diphenhydramine orally C. Pralidoxime intramuscularly D. Physostigmine intramuscularly	
45	ANTIDOTE	40- In case a patient develops toxicity from midazolam. Which of the following medications can be given as an antidote? A. Atropine B. Flumazenil C. Amifostine D. Acetylcysteine	B
46	BIOch	(3) Which of the following is the precursor for 5-hydroxytryptamine? A) proline B) alanine C) glutamine D) tryptophan	D
47	BIOch	30- Which of the following enzymes regulate supercoiling of DNA? A) Helicases B) Primases C) Topoisomerases D) Reverse transcriptase	C
48	BIOch	83- Where dose the electron transport chain reaction pathway take? A) Cell cytoplasm B) Golgi apparatus C) Outer mitochondrial membrane D) Inner mitochondrial membrane	D
49	BIOch	99. Which of the following vitamin deficiency can cause scurvy? A. vitamin A B. vitamin B6 C. vitamin C D. Vitamin D	C

		<p>The diagram shows the role of a vitamin as coenzyme for cystathionine synthase and cystathionase enzymes which catalyze the transsulfuration of methionine to cysteine (see image). Which of the following is the vitamin indicated by the star* in the figure?</p> <p>A. B2 B. B3 C. B5 D. B6</p>	
50	BIOch		D
51	BIOch	<p>2- pH difference between extracellular and intracellular fluid is</p> <p>A. Nil B. 0.2 C. 0.4 D. 0.8</p>	C
52	BIOch	<p>3- Role of ATP ?</p> <p>A. Energy carrier B. Oxygen carrier C. Amino acid carrier</p>	A
53	BIOch	<p>5- which is cytokine</p> <p>A. Leukotriene B. Adrenaline C. Gonadotropin</p>	A
54	BIOch	<p>7- Which process does Insulin work on or increase ?</p> <p>A. Glycogenolysis B. Glyconeogenesis C. Glucogensis D. Ketogenesis</p>	B
55	BIOch	<p>13-The synthesis of glycogen from glucose called?</p> <p>A- Glycogenesis</p>	A
56	BIOch	<p><b>42- How much molecule ATP molecules are produced for every glucose.</b></p> <p>A- 12 B- 24 C- 34</p>	C

57	BIOch	61- Which Amino acid we give for anorexia? A. Alanine B. arginine C. valine	C
58	BIOch	62- starch is digested in saliva by ? A. Amylase B. lipase	A
59	BIOch	64- POLYSACCHARIDE? A- Glucose b- glycogen c- glucagon	B
60	bioch	73- Which of the following is the precursor for 5- hydrotryptamine (serotonin)? A. Proline B. Alanine C. Glutamine D. Tryptophan	D
61	BIOCH	79- How much ATP molecules are produced for every glucose molecule? A. 12 B. 24 C. 34	C
62	BIOCH	101- Which process does Insulin work on increase? A- Glycogenolysis B- Glyconeogenesis C- Glucogensis D- Ketogenesis	?B
63	BIOCH	131- krebs cycle for production of ? A- ATP	
64	BIOCH	134- DNA ligase enzyme for ligation of ? A. mRNA with tRNA B. 2mRNA molecules C. 2tRNA molecules D. 2DNA strands	D
65	BIOCH	138- use Glucosamine for uses ?? A- Osteoporosis B- Osteomyelitis C- Osteoarthritis	C
66	BIOCH	155- Where dose the electron transport chain reaction A. pathway take B. Cell cytoplasm C. Golgi apparatus D. Outer mitochondrial membrane E. Inner mitochondrial membrane	E

67	BIOCH	163- How many amino acid in the human body ? A. 20 B. 30 C. 40	A
68	BIOCH	181- Which parameter used when we give statin and there is rhatdomyolysis ? A- Creatine kinase B- Crcl	A
69	BIOCH	210- Purpose of mitochondria ? A- Synthesis of DNA B- Synthesis of RNA C- Produce ATP	C
70	BIOCH	270- Which is complex protein ? A. Pr B. Sec C. Tri D. Quaternary in structure	D
71	BIOCH	356- acetyl-CoA to form malonyl- coA which vitamine is used ? A. biotin (B7) B. riboflavin C. pyridoxine D. nicotinamide	A
72	BIOCH	357- coenzyme for cystathionine synthase and cystathionase enzymes which catalyze the transfiguration of methionine to cysteine ? A- B2 B- B3 C- B5 D- B6	D
73	BIOCH	358- Acetyl coA and cetric acid cycle which vitamine is used ? A. B6 B. B12 C. B2 D. B9	C
74	BIOCH	365-Which the carrier in Krebs Cycle? A. Carrier in cryps cycle B. oxaloacetat C. citric acid	B
75	BIOCH	403- Number of ATP in glycolysis ? A- 1 B- 22 C- 24 D- 2	D

76	BIOCHE	<p><b>12) What the function of small nuclear (snRNAs) in protein synthesis?</b></p> <ul style="list-style-type: none"> <li>A. Act as catalyst</li> <li>B. Modifies mRNA molecules</li> <li>C. Genetic blueprint for the protein</li> <li>D. Translates genetic code to amino acid</li> </ul>	B
77	BIOCHE	<p><b>25) Which of the following pairs represents the purines nitrogenous bases?</b></p> <ul style="list-style-type: none"> <li>A. Adenine (A) and Uracil (U)</li> <li>B. Cytosine (C) and Uracil (U)</li> <li>C. C)Adenine (A) and guanine (G)</li> <li>D. D)Cytosine (C) and guanine (G)</li> </ul>	C
78	BIOCHE	<p><b>30) Which of the following is the process of breaking down of glycogen ?</b></p> <ul style="list-style-type: none"> <li>A. Glycolysis</li> <li>B. Glycogenesis</li> <li>C. Glycogenolysis</li> <li>D. Gluconeogenesis</li> </ul>	C
79	bioche	<p><b>40) Which of the following inhibits gluconeogenesis?</b></p> <ul style="list-style-type: none"> <li>A. Insulin</li> <li>B. Glucagon</li> <li>C. Epinephrine</li> <li>D. Glucocorticoids</li> </ul>	A
80	BIOCHE	<p><b>73- Which of the following is a non-essential amino acid?</b></p> <p><b>A) Lysine</b>  <b>B) Valine</b>  <b>C) Cysteine</b>  <b>D) Isoleucine</b></p> <p><b>N.B:-The 9 essential amino acids are: histidine, isoleucine, leucine, lysine, methionine, phenylalanine, threonine, tryptophan, and valine.</b></p>	C
81	BIOCHE	<p>154- which of the following inhibits gluconeogenesis</p> <p>A- insulin  B- glucagon  C- epinephrine  D- glucocorticoids</p>	A
82	BIOCHE	<p>197- which the Carbohydrates produce more energy</p> <p><b>A. glucose</b>  <b>B. maltose</b>  <b>C. sucrose</b></p>	A
83	biochem	<p><b>48) Which of the following compounds is urea cycle a biochemical reaction that produce urea from?</b></p> <ul style="list-style-type: none"> <li>A. Sucrose</li> <li>B. Glucose</li> <li>C. Glycogen</li> <li>D. Ammonia (NH3)</li> </ul>	D

		<b>86-Click image to enlarge</b>	
84	BIOCHEM	<p>The diagram shows the enzyme ACC (Acetyl-CoA Carboxylase) catalyzing the carboxylation of acetyl-CoA. Acetyl-CoA (CH<sub>3</sub>-C(=O)-SCoA) reacts with ATP and biotin to produce malonyl-CoA (CH<sub>2</sub>-C(=O)-C(=O)O<sup>-</sup>-SCoA) and ADP + Pi. CO<sub>2</sub> is released.</p>	
		<p>A water-soluble vitamin catalyzes the carboxylation of acetyl-CoA to form malonyl-CoA, which is required for the synthesis of fatty acids (see image). Which of the following vitamins plays this role?</p> <ul style="list-style-type: none"> <li>A. biotin (b7)</li> <li>B. riboflavin</li> <li>C. pyridoxine</li> <li>D. nicotinamide</li> </ul>	A
85	BIOCHEM	<p>28) Which of the following is a function of alcohol dehydrogenase enzyme?</p> <ul style="list-style-type: none"> <li>A. Accelerates the reduction of ethanol</li> <li>B. Accelerate the addition of hydrogen to ethanol</li> <li>C. Accelerates the addition of phosphate to ethanol</li> <li>D. Accelerates the removal of hydrogen from ethanol</li> </ul>	D
86	BIOCHEM	<p>86- Which of the following enzymes is responsible for forming DNA copy from RNA?</p> <ul style="list-style-type: none"> <li>A. Reverse transcriptase</li> <li>B. DNA polymerase</li> <li>C. Helicase</li> <li>D. Primase</li> </ul>	A
87	blood	<p>46- Which of the following is a potential serious side effect that is common among all anticoagulant agents?</p> <ul style="list-style-type: none"> <li>A. Hypokalemia.</li> <li>B. Major Bleeding</li> <li>C. Liver Dysfunction</li> <li>D. Renal Dysfunction</li> </ul>	B
88	blood	<p>6) Which of the following is an example of a parenteral direct thrombin inhibitor?</p> <ul style="list-style-type: none"> <li>A) enoxaparin</li> <li>B) argatroban</li> <li>C) fondaparinux</li> <li>D) unfractionated heparin</li> </ul>	B
89	blood	<p>11- which of the following anti platelets is contraindicated patients with transient ischemic attack (TIA) or stroke?</p> <ul style="list-style-type: none"> <li>A. Prasugrel</li> <li>B. Ticagrelor</li> <li>C. Clopidogrel</li> </ul>	A

		D. Dipyridamole														
90	BLOOD	<p><b>26- which of the following antiplatelet agents the highest risk of causing dyspnea ?</b></p> <p>A. Prasugrel B. Ticagrelor C. Clopidogrel D. Dipyridamole</p>	B													
91	BLOOD	<p><b>(34) Which of the following is the recommended anti-coagulation strategy for atrial fibrillation patient with a CHA2DS2-VACS score of 5?</b></p> <p>A. aspirin B. dabigatran C. clopidogrel D. no anticoagulation</p>	B													
92	BLOOD	<p><b>(47) Which of the following could lead to decrease in international normalization ratio (INR) in a patient of warfarin therapy?</b></p> <p>A. decrease the consumption of dietary vitamin K B. carbamazepine therapy C. cotrimoxazole therapy D. metronidazole therapy</p>	B													
93	BLOOD	<p><b>64- Which of the following is the preferred anticoagulant therapy during hemodialysis procedure?</b></p> <p>A. Enoxaparin B. Dabigatran C. Rivaroxaban D. Unfractionated heparin (UFH)</p>	D													
94	BLOOD	<p><b>71- A 51-year-old man diagnosed with pulmonary embolism. The patient planned for warfarin and started combination with warfarin until INR is therapeutic (see lab result).</b></p> <table border="1"> <tbody> <tr> <td>Weight</td> <td>80kg</td> </tr> <tr> <td>Hight</td> <td>160cm</td> </tr> <tr> <td>Test</td> <td>Result</td> <td>Normal value</td> </tr> <tr> <td>Creatinine</td> <td>85</td> <td>44-115 umol/L</td> </tr> <tr> <td>CREATININ CLERANCE</td> <td>103</td> <td>70-103 umol/L</td> </tr> </tbody> </table> <p><b>Which of the following enoxaparin dose regimen should the patient receive?</b></p> <p>A. Enoxaparin 30 mg SC every 24h B. Enoxaparin 40 mg SC every 24h C. Enoxaparin 80 mg SC every 12h D. Enoxaparin 160 mg SC every 12h</p>	Weight	80kg	Hight	160cm	Test	Result	Normal value	Creatinine	85	44-115 umol/L	CREATININ CLERANCE	103	70-103 umol/L	C
Weight	80kg															
Hight	160cm															
Test	Result	Normal value														
Creatinine	85	44-115 umol/L														
CREATININ CLERANCE	103	70-103 umol/L														

95	BLOOD	<p><b>2- Which of the following medications is an anticoagulant agent?</b></p> <ul style="list-style-type: none"> <li>A. Aspirin</li> <li>B. Warfain</li> <li>C. Clopidogrel</li> <li>D. Streptokinase</li> </ul>	B
96	BLOOD	<p><b>(16) Which of the following is the mechanism of action of apixaban?</b></p> <ul style="list-style-type: none"> <li>A. an indirect inhibitor of thrombin</li> <li>B. an indirect inhibitor of factor Xa</li> <li>C. a direct inhibitor of thrombin</li> <li>D. a direct inhibitor of factor Xa</li> </ul>	D
97	BLOOD	<p><b>45- Which of the following can decrease the effect of warfarin?</b></p> <ul style="list-style-type: none"> <li>A. Antibiotics</li> <li>B. Paracetamol</li> <li>C. Multivitamins (contain vit k)</li> <li>D. Calcium supplement</li> </ul>	C
98	BLOOD	<p><b>73- Which of the following best represents the activity of dipyridamole?</b></p> <ul style="list-style-type: none"> <li>A. It has fibrinolytic activity</li> <li>B. It has antifibrinolytic activity</li> <li>C. It is a platelet aggregation inhibitor</li> <li>D. It is a phosphodiesterase enzyme inducer</li> </ul>	C
99	BLOOD	<p><b>25- What is the route of administration of Enoxaparin?</b></p> <ul style="list-style-type: none"> <li>A. Intrathecal bolus</li> <li>B. Transdermal injection</li> <li>C. Subcutaneous injection</li> <li>D. Intramuscular injection</li> </ul>	C
100	BLOOD	<p><b>97- Which of the following drugs can be used to lyse fibrin clots?</b></p> <ul style="list-style-type: none"> <li>A. heparin</li> <li>B. warfarin</li> <li>C. enoxaparin</li> <li>D. streptokinase</li> </ul>	D
101	BLOOD	<p><b>18- Which of the following can decrease the effect of warfarin?</b></p> <ul style="list-style-type: none"> <li>A. antibiotics</li> <li>B. paracetamol</li> <li>C. multivitamins</li> <li>D. calcium supplement</li> </ul>	C
102	BLOOD	<p><b>41- Which of the following medications produces antiplatelet effect by inhibiting Adenosine Diphosphate (ADP) receptors?</b></p> <ul style="list-style-type: none"> <li>A. aspirin</li> <li>B. abciximab</li> <li>C. clopidogrel</li> <li>D. streptokinase</li> </ul>	C

103	BLOOD	<p><b>63- Which of the following is recommended regarding air bubble in the syringe for a patient starting on enoxaparin subcutaneous Injection?</b></p> <ul style="list-style-type: none"> <li>A. inject the dose with the air bubble</li> <li>B. Inject the air bubble if the volume is small</li> <li>C. remove the air bubble to avoid wastage of the dose</li> <li>D. remove air bubble and adjust volume before injection</li> </ul>	A
104	BLOOD	<p><b>74- Which of the following is a potential serious side effect that is common among all anticoagulant agents?</b></p> <ul style="list-style-type: none"> <li>A. hypokalemia</li> <li>B. major bleeding</li> <li>C. liver dysfunction</li> <li>D. renal dysfunction</li> </ul>	B
105	BLOOD	<p><b>75- Which of the following statements describes unfractionated heparin?</b></p> <ul style="list-style-type: none"> <li>A. enolic acid derivative</li> <li>B. propionic acid derivative</li> <li>C. acetyl ester of salicylic acid</li> <li>D. mucopolysaccharide polymers</li> </ul>	D
106	BLOOD	<p><b>71- Which of the following is recommended regarding air bubble in the syringe for a patient starting on enoxaparin subcutaneous injection?</b></p> <ul style="list-style-type: none"> <li>A. Inject the dose with the air bubble</li> <li>B. inject the air bubble if the volume is small</li> <li>C. remove air bubble to avoid wastage of the dose</li> <li>D. remove air bubble and adjust volume before injection</li> </ul>	A
107	blood	<p><b>22- Risk factor cause DVT?</b></p> <ul style="list-style-type: none"> <li>A. Age</li> <li>B. food rich of VK</li> <li>C. surgery</li> </ul>	C
108	BLOOD	<p><b>59- The recommended DVT prophylaxis dose for postpartum in women with heigh risk of DVT is?</b></p> <ul style="list-style-type: none"> <li>A. 3 weeks</li> <li>B. 6 weeks</li> <li>C. 3 months</li> <li>D. 6 months</li> </ul>	B
109	BLOOD	<p><b>92- Which of the following is parenteral direct thrombin inhibitor?</b></p> <ul style="list-style-type: none"> <li>A. Argatroban</li> <li>B. Dabigatran (ORAL )</li> <li>C. Heparin</li> <li>D. Warfarin</li> </ul>	A

110	BLOOD	<p>96- Which of the following antiplatelet working by inhibition of adenosine diphosphate receptor?</p> <p>A. Aspirin B. Abciximab C. Clopidogrel D. Streptokinase</p>	C
111	BLOOD	<p>113- Which direct anticoagulant needs premedication 5-10 days with anticoagulant ? endoxaban &gt; Apixaban Note: Dabigatran &gt;</p>	
112	BLOOD	<p>136- how ibuprofen inhibit antiplatelet effect of aspirin ? A- Ibuprofen bind to cox1 and hinder it's acetylation by aspirin <input checked="" type="checkbox"/></p>	
113	BLOOD	<p>141- patient on warfarin and has mechanical valve and INR 3.5, what should you do ? A- No management b- decrease warfarin dose</p>	A
114	BLOOD	<p>146- Neonate with coagulopathy which vit K route will you use ? A. Suppository B. Iv C. Sc D. Im  child is IM Coagulopathy.. IV</p>	B
115	BLOOD	<p>239- antiplatelet C.I. in patients with transient ischemic attack ? A- dipyradimole B- clopidogrel C- prasugrel D- ticagrelor</p>	C
116	BLOOD	<p>253- INR monitoring after initiation as outpatient ? A- next day B- 2-5 days C- 1 month D- 3 months</p>	B
117	BLOOD	<p>318- treatments of pulmonary embolism? A- Enoxaparin 40 mg sc once daily B- Rivaroxaban C- Enoxaparin 1 mg/ kg twice daily Or 2 mg/ kg once daily</p>	C
118	BLOOD	<p>334- patient is taking warfarin 4.5 mg PO daily came to the clinic with INR of 5.1 without any signs of active bleeding, what is the appropriate management for her ? A. Hold warfarin and give vit K IV B. Hold warfarin and resume with lower dose C. Hold warfarin and give platelet</p>	B

119	BLOOD	345- in pregnancy what the trimester can be use warfarin ? A. first B. second C. third trimester D. avoided use in pregnancy	D
120	BLOOD	397- Pt use Warfarin 10mg and INR low why ? A. Low dose B. Dite C. Low bioavailability of warfarin	B
121	blood	425- which the fallowing uses in prophylaxis strock A. anticoagulant B. thrombolytic drug C. antipletalate	C
122	blood	427- Which the fallowing drugs inducing thrombocytopenia A- UFH heparin B- LMWH C- warfarin D- Aspirin	A
123	blood	428- Which the fallowing drugs treatment thrombocytopenia A- UFH B- LMWH C- warfarin D- Argatroban	D
124	BONE	110- Medication for osteoporosis in menopausal women given monthly? A. Zoledronic acid B. ibandronate C. raloxifene	B
125	BONE	119- Medication for osteoporosis in women given once per a year ? A- Zoledronic acid B- ibandronate C-raloxifene	A
126	BONE	120- Medication for osteoporosis in women given weekly ? A- Zoledronic acid B- ibandronate C- raloxifene D- Alendronate	D
127	BONE	202- gold standard test for Osteoporosis ? A- (DEXA) <input checked="" type="checkbox"/> dual-energy x-ray absorptiometry	A

128	BONE	285- Patient with Osteoporosis which need for Diagnosis? A- X-ray B- MRI C- CT	A
129	BONE	(39) Which of the following osteoporosis drugs can cause esophageal ulcers?  A. denosumab B. teriparatide C. alendronate D. zelodronic acid	C
130	BONE	73- Which of the following medications for osteoporosis will significantly reduce the risk of hip fracture?  A. Phosphate B. Risedronate C. Raloxifene D. Calcitonin	B
131	BONE	<b>14-A</b> 65-year patient suffered from Osteomalacia with finger numbness, tingling and burning of extremities. The doctor prescribed vitamin D and an IV calcium supplement. Which of the following calcium salts did the physician most likely prescribed ?  A. Calcium citrate (21%calcium) B. Calcium lactate(13%calcium) C. Calcium gluconate (9%calcium) D. Calcium phosphate (39% calcium)  N.B:-Ca phosphate no more effective — and may in fact be less effective — than calcium citrate or calcium carbonate.	C
132	CAL	<b>36-</b> A 6-year-old child weighing 28 kg came to the clinic with viral infection. The physician prescribed acyclovir at a dose of 20 mg/kg four times a day. Acyclovir is available as 200 mg/5 ml oral suspension. How many milliliters would be administered per day?  A. 10 B. 14 C. 44 D. 56	D
133	CAL	<b>97-</b> A physician prescribed heparin at a dose of 75 units/Kg every six hours for a child weighing 15 kg, heparin is available in 2.5 ml vial containing 12,500 units. How many milliliters of heparin solution would be administered every day?  A. 0.5 B. 0.9 C. 1.5 D. 1.8	B

134	cal	<p><b>93-</b> The following formula was prescribed by a dermatologist for a patient with dermatitis.</p> <p><b>Hydrocortisone 1.5% w/w</b></p> <p><b>Cream base to make 50g</b></p> <p>the pharmacist has two strengths of hydrocortisone creams in his hand, 2.5% and 1%.</p> <p>Therefore, in order to compound this prescription, the pharmacist is going to add these two creams strength together in certain proportions to fulfill this formulation.</p> <p>Which of the following is the weight ratio of the two strengths of hydrocortisone needed?</p> <ul style="list-style-type: none"> <li>A. 1:2</li> <li>B. 1:1</li> <li>C. 0.5:1</li> <li>D. 2:1</li> </ul>	C
135	CAL	<p><b>56-</b> The pharmacist received a prescription to extemporaneously prepare moxifloxacin oral suspension from the 400 mg tablet in a concentration of 20 mg/ml with total volume of 60 mL</p> <p>Which of the following is the number of tablets of moxiflaxacin 400 mg needed to prepare the above prescription?</p> <ul style="list-style-type: none"> <li>A. 2</li> <li>B. 3</li> <li>C. 4</li> <li>D. 6</li> </ul>	B
136	CAL	<p><b>66-</b> Drug X has an infusion rate of 0.95 mg/kg/hr. Which of the following is the amount of drug X (in mg) needed for a 12- hr infusion if patient weight is 70 kg?</p> <ul style="list-style-type: none"> <li>A. 66.5 mg</li> <li>B. 84 mg</li> <li>C. 665 mg</li> <li>D. 798 mg</li> </ul>	D
137	CAL	<p><b>67)</b> A 6-year-old child weighing 28 kg came to the clinic with viral infection. The physician prescribed acyclovir at a dose of 20 mg/kg four times a day. Acyclovir is available as 200 mg/5 ml oral suspension.</p> <p>How many milliliters would be administered per day?</p> <ul style="list-style-type: none"> <li>A. 10</li> <li>B. 14</li> <li>C. 44</li> <li>D. 56</li> </ul>	D
138	CAL	<p><b>68-</b> A patient is to receive one mg of hydromorphone hydrochloride injection for pain.</p> <p>Hydromorphone hydrochloride is available as 500 mg in a 50 ml vial. How many milliliters would be injected?</p> <ul style="list-style-type: none"> <li>A. 0.1</li> <li>B. 0.5</li> <li>C. 1.0</li> <li>D. 2.0</li> </ul>	A

139	CAL	<p>69- A solution contains 2.5 mg of a drug per milliliter. administered at a rate of 50 mg/hr. (1 ml = 30 drops).</p> <p>Which of the following Is the most appropriate infusion rate?</p> <p>A) 5 drops/min B) 10 drops/min C) 20 drops/min D) 40 drops/min</p>	B
140	CAL	<p>71-A 2.5% intravenous drug is infused at a rate of 1.5 ml/min. Which of the amount of the drug (in mg) that is infused in each hour?</p> <p>A) 25 B) 225 C) 2000 D) 2250</p>	D
141	CAL	<p>73-A technician is preparing 250 ml of 70% (w/v) dextrose solution.</p> <p>Which of the following is the total amount of dextrose (in grams) in the final preparation?</p> <p>A) 125 g B) 150 g C) 175g D) 200 g</p>	C
142	CAL	<p>74- How many milliliters of paracetamol syrup of 120 mg/5 ml strength would be prepared using 1.8 kg of paracetamol?</p> <p>A) 15,000 mL B) 30,000 mL C) 50,000 mL D) 75,000 mL</p>	D
143	CAL	<p>76- What is the percentage w/v of 10 ml vial that contains 50 mEq of ammonium chloride per 10 ml if 1 mEq of ammonium chloride = 0.0535g?</p> <p>A) 0.535 B) 2.675 C) 5.350 D) 26.750</p>	B
144	CAL	<p>77- One folic acid tablet contains 400 mcg of folic acid as an active ingredient. How many tablets would be required for the preparation of 30 grams of folic acid?</p> <p>A) 5000 tablets B) 7500 tablets C) 50000 tablets D) 75000 tablets</p>	D
145	CAL	<p>90) A 6-year-old HIV infected boy measuring <math>0.9 \text{ m}^2</math> is to receive nevirapine 140 mg/<math>\text{m}^2</math> two times daily. Nevirapine is available as 50 mg/5 ml suspension. How many millilters of nevirapine suspension would be administered per dose?</p> <p>A) 6.3</p>	B

		B) 12.6 C) 14.0 D) 16.5	
146	CAL	<p>98) A drug has a clearance value of 4.75 L/hour and 65% is cleared by renal excretion. Which of the following would be the non-renal clearance value?</p> <p>A) 1.25 L/hrs B) 1.66 L/hrs C) 1.90 L/hrs D) 2.05 L/hrs</p>	B
147	cal	<p>39- A patient is to receive 400 ml intravenous infusion of a 1% drug that will be over 10 hours</p> <p>Which of the following is the amount (milligrams)of the drug that will be delivered in 15 minutes ?</p> <p>A) 100 mg B) 150 mg C) 200 mg D) 400 mg</p>	A
148	CAL	<p>51- Penicillin-G potassium Is available in 50 ml vial containing 20 gram. Each milligram of penicillin-G potassium is equal to 1500 units.</p> <p>How many units of penicillin G potassium are there in each vial?</p> <p>A) 15,000,000 B) 20,000,000 C) 25,000,000 D) 30,000,000</p>	D
149	CAL	<p>17 -A physician prescribes, for a 6-year-old child 10 mg, omeprazole daily for seven days as a syrup formulation. Omeprazole capsules strength are available in the pharmacy is 10 mg</p> <p>Which of the following is the number of capsules required to make to suffice the total doses in the prescription if the final concentration syrup should be 2 mg/mL?</p> <p>A) 2 B) 3 C) 5 D) 7</p>	D
150	CAL	<p>42-A 35-year-old individual is receiving 20 mg of propranolol hydro four times daily as a prophylaxis to migraine attacks. The drug 25% bioavailability due to extensive first pass effect.</p> <p>What amount of the drug reaches the systemic circulation after dosing?</p> <p>A) 2.5 mg B) 5.0 mg C) 7.5 mg D) 10mg</p>	B

151	CAL	<p><b>(33)</b> A 55-year-old man with a history of recurrent back pain is admitted to the hospital, he was prescribed paracetamol 1000 mg P.O Q6hr PRN for 1-month available tablet is 500mg. What is the maximum quantity given for a refill?</p> <ul style="list-style-type: none"> <li>A. 8 tablets</li> <li>B. 24 tablets</li> <li>C. 42 tablets</li> <li>D. 240 tablets</li> </ul>	D
152	CAL	<p>7-A child weighing 25 kg is prescribed acetazolamide 2.5 mg/kg every 12 hours. Acetazolamide is available in a liquid dosage form with strength of 25 mg/ml.</p> <p>How many milliliters would the patient be administered per dose?</p> <ul style="list-style-type: none"> <li>A. 2.5</li> <li>B. 5.0</li> <li>C. 7.5</li> <li>D. 10</li> </ul>	A
153	CAL	<p><b>10</b>-The diclophenac sodium suppository is prepared according to the following formula: Diclophenac sodium 2.5% Triglyceride base to make 1g</p> <p>How many grams of diclophenac sodium should be used to prepare 24000 suppositories?</p> <ul style="list-style-type: none"> <li>A. 120</li> <li>B. 240</li> <li>C. 480</li> <li>D. 600</li> </ul>	D
154	CAL	<p><b>(15)</b> Which of the following is the amount of dextrose (in grams) that is present in 100 ml of 10% dextrose solution?</p> <ul style="list-style-type: none"> <li>A. 1</li> <li>B. 10</li> <li>C. 100</li> <li>D. 1000</li> </ul>	B
155	CAL	<p><b>25-</b> a 4-year-old boy is admitted with dehydration. he is started on dextrose 5% and normal saline with 40 milliequivalent potassium chloride per liter at a rate of 40 ml per hour weight is 16 kilograms.</p> <p>How much potassium chloride (in milliequivalent per kilograms per day) is her receiving?</p> <ul style="list-style-type: none"> <li>A. 2.4</li> <li>B. 3</li> <li>C. 4.5</li> <li>D. 6</li> </ul>	A
156	CAL	<p><b>26-</b> which of the following is the percentage (%) strength of ketorolac tromethamine in an ophthalmic solution if 200 micrograms of the drug are present in 50 microliters of the solution?</p> <ul style="list-style-type: none"> <li>A. 0.25</li> <li>B. 0.40</li> <li>C. 0.50</li> </ul>	B

		D. 0.80	
157	CAL	<p><b>27-</b>10 ml vial contains 1 gm of clindamycin hydrochloride. each milligram of clindamycin hydrochloride is equivalent to 800 micrograms (mcg) of clindamycin.</p> <p>How much clindamycin in micrograms (mcg) is present in 3 ml solution?</p> <p>A. 240 B. 2,400 C. 24,000 D. 240,000</p>	D
158	CAL	<p><b>39-</b>A solution contains 27 mg of antipyrine per 500 microliter. How many grams of antipyrine are there in 3 ml of the solution?</p> <p>A. 0.162 gm B. 0.270 gm C. 162 gm D. 270 gm</p>	A
159	CAL	<p><b>41-</b>A 5-years-old girl weights 16 kilograms and is 95 centimeters tall. Which of the following is her body surface area in squared meter (m)?</p> <p>A. 0.1 B. 0.4 C. 0.6 D. 0.9</p>	C
160	CAL	<p><b>42-</b> The following prescription is received in a hospital pharmacy: Losartan 25 mg S: Take 1 tab BID M: 3 weeks</p> <p>Which of the following instructions will be on the prescription label?</p> <p>A. Take 1 tablet once daily (21 tablets) B. Take 2 tablets once daily (42 tablets) C. Take 1 tablet twice daily (42 tablets) D. Take 2 tablets twice daily (48 tablets)</p>	C
161	CAL	<p><b>49-</b> How many milliliters are there in one table spoonful in a metric system?</p> <p>A. 2.5 ml B. 5.0 ml C. 10 ml D. 15 ml</p>	D
162	CAL	<p><b>52-</b>A solution contains 2.5 mg of a drug per milliliter. The drug is to be administered at a rate of 50 mg/hr. (1 mL= 30 drops). Which of the following is the most appropriate infusion rate?</p> <p>A. 5 drops/min B. 10 drops/min C. 20 drops/min D. 40 drops/min</p>	B

		<p><b>54-</b>A patient is to receive two drops of dexamethasone four times daily. The dexamethasone is available as 0.1% solution in a 5 ml bottle with a dropper calibrated to deliver 16 drop per ml.</p> <p>How many days will the bottle last?</p> <p>A. 4 B. 6 C. 8 D. 10</p>	
163	CAL	<p><b>55-</b>What is the specific gravity of a liquid if 121.92 ml of its weight is 107.56 g?</p> <p>A. 0.882 s.g. B. 1.88 s.g. C. 2.88 s.g. D. 8.822 s.g.</p>	D
164	CAL	<p><b>63-</b> A physician prescribed 5000 units of heparin two times daily for five days. Heparin is available in a vial containing 20,000 units/ml.</p> <p>How many milliliters should be given for each dose?</p> <p>A. 0.25 B. 0.50 C. 0.75 D. 1.50</p>	A
165	CAL	<p><b>77-</b> A solution contains 5 gm of drug per 25 ml.</p> <p>Which of the following is the concentration, in mg/ml, of the drug?</p> <p>A. 50 mg/ml B. 100 mg/ml C. 200 mg/ml D. 400 mg/ml</p>	A
166	CAL	<p><b>78-</b>A 20-year-old boy who weighs 10 kg is prescribed Drug x as 1 mg/kg/hour infusion, The pharmacy prepared the prescription by diluting 5 ml of 25 mg/ml concentration via to100 ml with normal saline. Which of the following is the rate of infusion (in ml/hour)</p> <p>A. 2 B. 4 C. 6 D. 8</p>	C
167	CAL	<p><b>80-</b> A drug has a total body clearance of 2.5 L/hr. Its hepatic metabolism accounts for 25% during less blood perfusion and 40 % when blood perfusion is higher to the liver.</p> <p>What will be the hepatic clearance value in fed state of stomach?</p> <p>A. 0.50 L/hr B. 0.75 L/hr C. 1.00 L/hr D. 1.50 L/hr</p>	D
168	CAL		C

169	CAL	<p><b>82-</b> A physician ordered Labetalol hydrochloride intravenous infusion at a dose of 500 micrograms/min over an hour for a hypertensive patient. Labetalol hydrochloride is available in a 20 ml vial containing 5 mg/ml of the drug.</p> <p>Which of the following is the amount in (milliliters) of labetalol hydrochloride solution that should be administered?</p> <ul style="list-style-type: none"> <li>A. 4.5</li> <li>B. 6</li> <li>C. 7.5</li> <li>D. 10</li> </ul>	B
170	CAL	<p><b>83-</b> An ointment was prepared by incorporating 15 g of a drug into 150 g of petrolatum.</p> <p>What would be the concentration of the drug in the ointment?</p> <ul style="list-style-type: none"> <li>A. 0.91%</li> <li>B. 1.00%</li> <li>C. 0.10%</li> <li>D. 10.00%</li> </ul>	D
171	CAL	<p><b>84-</b> A 2.5% intravenous drug is infused at a rate of 1.5 ml/min. Which of the amount of the drug (in mg) that is infused in each hour?</p> <ul style="list-style-type: none"> <li>A. 25</li> <li>B. 225</li> <li>C. 2000</li> <li>D. 2250</li> </ul>	D
172	CAL	<p><b>89-</b> If a pharmacist has a stock solution of D5W and D50W</p> <p>How many milliliters from each solution will need in order to prepare a 450 ml of D15W solution?</p> <ul style="list-style-type: none"> <li>A. D50w/ D5w=100/350</li> <li>B. D50w/D5w=350/100</li> <li>C. D50w/D5W=200/250</li> <li>D. D50w/D5w= 250/200</li> </ul>	A
173	CAL	<p><b>95-</b> How much of 5% w/v solution would be required to prepare 60 ml of 5mg/ml solution?</p> <ul style="list-style-type: none"> <li>A. 6 ml</li> <li>B. 10 ml</li> <li>C. 15 ml</li> <li>D. 18 ml</li> </ul>	A
174	CAL	<p><b>96-</b> The pharmacy receives a prescription for labetalol 800 mg twice daily for three days. The available strength of labetalol in the pharmacy is 200 mg. Which of the following is the number of 200 mg labetalol tablet needed to prepare the above prescriptions for the total duration?</p> <ul style="list-style-type: none"> <li>A. 8</li> <li>B. 12</li> <li>C. 16</li> <li>D. 24</li> </ul>	D

175	CAL	<p>99-A drug vial contains 0.2% of drug x.</p> <p>Which of the following is the amount of the drug x (in mg) in a 5ml dose?</p> <p>A. 0.1 B. 1 C. 10 D. 100</p>	C
176	CAL	<p>8- A patient is to receive 25 mg of dextromethorphan four times daily for cough. The pharmacist dispensed two 125 ml bottles containing 10 mg of dextromethorphan per 5 ml.</p> <p>How many days will the two bottles last?</p> <p>A. 3 B. 5 C. 7 D. 9</p>	B
177	CAL	<p>11-A hospitalized patient with hypertension is prescribed nicardipine hydrochloride intravenous infusion at a dose of 5 mg per hour for four hours. Nicardipine hydrochloride is available as a 10 ml vial containing 25 mg of nicardipine hydrochloride. How many milliliters of nicardipine should be used?</p> <p>A. 2.5 B. 4.0 C. 8.0 D. 10.0</p>	C
178	CAL	<p>13- A 100 mL infusion bottle contains 2 g of potassium chloride (KCl). (Mol.wt.kcl= 74.6). Which of the following is the most likely amount of KCl present in the infusion bottle?</p> <p>A. 12.7 mEq B. 20 mEq C. 26.8 mEq D. 78.5 mEq</p>	C
179	CAL	<p>20- Heparin is prepared in a piggy-bag which contains 25,000 units in 250 ml. How many milliliters of heparin per hour must be given to a 70-kilogram male patient if infusion rate is 10 units/kg\hour?</p> <p>A. 5 ml B.7 ml C. 10 ml D. 20 ml</p>	B
180	CAL	<p>24- What is the weight of 60 ml olive oil (density: 0.92 g\ml)?</p> <p>A. 36.66 gm B. 49.60 gm C. 55.20 gm D. 65.86 gm</p>	C

181	CAL	<p><b>27-</b> How many grams of water are needed to make 100grams of 5% (W\W) solution of potassium acetate?</p> <p>A. 57 g B. 95g C. 115 g D. 140 g</p>	C
182	CAL	<p><b>31-A</b> patient is prescribed 0.25% alcaftadine ophthalmic solution, one drop for each eye per day. Alcaftadine is available in a 3 ml bottle and one ml contains 14 drops.</p> <p>How many days will the bottle last?</p> <p>A. 6 B. 13 C. 17 D. 21</p>	D
183	CAL	<p><b>33-</b>A500 infusion bottle contains 11.72 g of potassium chloride (kCl). The molecular weight of KCl= 74.6 grams. Which of the following is the amount of KCl, in milliequivalent (mEq), present in the bottle?</p> <p>A. 0.637 mEq B. 6.37 mEq C. 11.72mEq D. 157.1 mEq</p>	D
184	CAL	<p><b>43-</b>A 65-year-old man (weight=70 kg) with acute decompensated heart failure is to be started on dobutamine 5 mcg/kg\ minute. The infusion bag contains dobutamine 150 mg in 100 ml of 0.9% sodium chloride. He has normal renal function.</p> <p>Which of the following is the rate of infusion of dobutamine?</p> <p>A. 0.25 mL\hour B. 1.3 mL\hour C. 14 mL\hour D. 26 mL\hour</p>	C
185	CAL	<p><b>47-</b>A 6-year-old HIV infected boy measuring 0.9 m<sup>2</sup> is to receive nevirapine 140 mg\m<sup>2</sup> two times daily. Nevirapine is available as 50 mg\5 ml suspension. How many milliliters of nevirapine suspension would be administered per dose?</p> <p>A. 6.3 B. 12.6 C. 14.0 D. 16.5</p>	B
186	CAL	<p><b>49-</b>A patient is to receive 750 ml 5% dextrose over five hours. The intravenous infusion set delivers 10 drops\ ml. Which of the following is the flow rate in ml\min to deliver the prescribed volume?</p> <p>A. 1.5 B. 2.0 C. 2.5</p>	C

		<b>D. 3.0</b>	
187	CAL	<p><b>54-</b> A pharmacist calculates a dose of 500 µg/min for continuous infusion of dopamine based on weight of the patient. The concentration of a premixed dopamine infusion is 400 mg/250 ml. What is the most likely amount of dopamine in ml received by the patient in the first hour of treatment?</p> <p>A. 10 ml B. 19 ml C. 24 ml D. 28 ml</p>	B
188	CAL	<p><b>62-</b> A drug was given to a patient with a constant intravenous infusion rate of 10 mg/hour. The half-life of the drug is three hours. Which of the following is the time in hours to reach steady state plasma concentration?</p> <p>A. 10 B. 15 C. 20 D. 30</p>	B
189	CAL	<p><b>69-</b> A syrup is 70% w/v solution of sucrose in water. How much of sucrose is required to prepare 500 ml of this syrup?</p> <p>A. 250 g B. 300 g C. 350 g D. 400 g</p>	C
190	CAL	<p><b>72-</b> Lidocaine is commonly administered for patient exhibiting cardiac arrhythmias. Lidocaine pharmacokinetic parameters are as follows half- life = 2 hours, clearance = 9 mL/min/kg and volume of distribution = 70 L. Which of the following is the time (in hours) needed to achieve 87.5% of the steady state concentration in a 70-kg individual?</p> <p>A. 2 B. 4 C. 6 D. 8</p>	
191	CAL	<p><b>79-</b> A 9-year-old child weighing 36 kg came to the clinic with chickenpox. The physician prescribed acyclovir at a dose of 20 mg/kg four times a day for five days. Acyclovir is available as 200 mg/5ml oral suspension. How many milliliters of suspension should be dispensed?</p> <p>A. 240 B. 320 C. 360 D. 540</p>	C

192	CAL	<p><b>80-</b> How many grams of dextrose are in a 250 ml bag of 10% dextrose?</p> <p>A. 12.5 B. 25 C. 50 D. 100</p>	B															
193	CAL	<p><b>82-</b> A water sample contains 9 ppm of magnesium. Which of the following is the percentage of magnesium in this sample?</p> <p>A. 0.9% B. 0.09% C. 0.009% D. 0.0009%</p>	D															
194	CAL	<p><b>84-</b> Results data from a bioavailability study of four different dosage forms of an antibiotic drug is shown (see table).</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">DRUG DOSAGE FORM</th><th style="text-align: left;">DOSE (MG/KG)</th><th style="text-align: left;">CUMLATIVE URINARY FROM DRUG EXCRETION 0-72 H</th></tr> </thead> <tbody> <tr> <td>IV SOLUATION</td><td>0.2</td><td>20</td></tr> <tr> <td>ORAL SOLUTION</td><td>4</td><td>380</td></tr> <tr> <td>ORAL TABLET</td><td>4</td><td>340</td></tr> <tr> <td>ORAL TABLET</td><td>4</td><td>360</td></tr> </tbody> </table> <p>The volunteers fasted for 12 hours prior to taking the drug products. Urine samples were collected up to 72 hours after the administration of the drug to obtain the maximum urinary drug excretion.</p> <p>Which of the following is the absolute bioavailability of the tablet dosage form?</p> <p>A. 80% B. 85% C. 90% D. 95%</p>	DRUG DOSAGE FORM	DOSE (MG/KG)	CUMLATIVE URINARY FROM DRUG EXCRETION 0-72 H	IV SOLUATION	0.2	20	ORAL SOLUTION	4	380	ORAL TABLET	4	340	ORAL TABLET	4	360	B
DRUG DOSAGE FORM	DOSE (MG/KG)	CUMLATIVE URINARY FROM DRUG EXCRETION 0-72 H																
IV SOLUATION	0.2	20																
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ORAL TABLET	4	360																
195	CAL	<p><b>92-</b> Which of the following is the expected bioavailability (F) of drugs given by intravenous route?</p> <p>A. less than 25% B. 25%-50% C. 75% -100% D. 100%</p>	D															
196	CAL	<p><b>94-</b> A patient presents a prescription with the following antiviral regimen. Start with 50 mg then decrease by 10 mg every 2 days until finished. Which of the following quantities of 5 mg tablets is needed to fill this prescription?</p> <p>A. 20 B. 30 C. 40 D. 60</p>	D															

197	CAL	<p><b>12-</b> Which of the following is the calculation of the apparent volume of distribution if the patient received 400 mg of intravenous medication that produced immediate blood concentration of 10 microgram/ml?</p> <p>A. 0.025 L B. 0.4 L C. 25 L D. 40L</p>	D								
198	CAL	<p><b>17-</b> A solution contains 2.5 mg of a drug per milliliter. The drug is to be administered at a rate of 50 mg/hr. (1 mL=30 drops). Which of the following is the most appropriate infusion rate?</p> <p>A. 5 drops/min B. 10 drops/min C. 20 drops/min D. 40 drops/min</p>	B								
199	CAL	<p><b>24-</b> A 20 ml vial of penicillin-G potassium containing 2,000,000 units is available. Each mg of the drug is equivalent to 1600 units. How many milligrams of penicillin-G potassium are there in one ml of the solution?</p> <p>A. 12.50 B. 62.50 C. 160 D. 1250</p>	D								
200	CAL	<p><b>25-</b> A drug vial contains 0.2% of drug X. Which of the following is the amount of the drug X (in mg) in a 10 ml dose?</p> <p>A. 0.1 B. 1 C. 10 D. 20</p>	D								
201	CAL	<p><b>28-</b> The vitamin-D solution is available in a 2.5 ml bottle containing 36,000 international units. The recommended daily dose for children is 400 international units. Each ml of vitamin D solution contains 36 drops.</p> <p>How many drops should be administered to a child per day?</p> <p>A.1 B.2 C. 4 D. 12</p>	A								
202	cal	<p><b>34-</b> A pharmacist adds 2 g of potassium chloride to 1L of D5W/1/2 normal saline. Atomic weights (see table).</p> <table border="1"> <tbody> <tr> <td>Sodium</td><td>23</td></tr> <tr> <td>Potassium</td><td>39</td></tr> <tr> <td>Chloride</td><td>35.5</td></tr> <tr> <td>Dextrose</td><td>198</td></tr> </tbody> </table>	Sodium	23	Potassium	39	Chloride	35.5	Dextrose	198	A
Sodium	23										
Potassium	39										
Chloride	35.5										
Dextrose	198										

		<p>Which of the following is the most likely osmolality of solution assuming the final volume as 1 L?</p> <p>A. 54 mosm/L B. 300 mosm/L C. 405 mosm/L D. 460 mosm/L</p>	
203	CAL	<p><b>39-</b> A budesonide inhaler delivers 200 puffs and each puff contains 100 micrograms of the drug.</p> <p>Which of the following is the amount (in milligrams) of total budesonide present in the inhaler?</p> <p>A. 10 mg B. 20 mg C. 10,000 mg D. 20,000 mg</p>	B
204	CAL	<p><b>40.</b> A 500 infusion bottle contains 11.72g of potassium chloride (KCl). The molecular weight of KCL 74.6 grams.</p> <p>Which of the following is the amount of KCL in milliequivalent (mEq). present in the bottle?</p> <p>A. 0. 637 mEq B. 6.37 mEq C. 11.72 mEq D. 157.1 mEq</p>	D
205	CAL	<p><b>42-A</b> 500-mg dose of aspirin was given Intravenously to a patient produced an initial plasma concentration of 100 mg/L. If the half-life of the drug is 6.93 hours, what would be the total body clearance?</p> <p>A. 50 Liters/hour B. 10Liters/hour C. 5Liters/hour D. 0.5 Liters/hour</p>	D
206	CAL	<p><b>46-</b> How many grams of 5% diclofenac cream should be mixed with 100 g of 1% cream to make a 2.5% diclofenac cream?</p> <p>A. 30 g B. 60 g C. 90 g D. 120 g</p>	B
207	CAL	<p><b>52-</b> If multivitamin syrup contains 1501U of vitamin A in each milliliter. Which of the following quantities of international units of vitamin A would be provided by 1 teaspoonful?</p> <p>A. 500 B. 750 C. 1000 D. 2250</p>	B
208	CAL	<p><b>53-</b> Penicillin-G potassium is available in 50 ml vial containing 20 grams. Each milligram of penicillin-G potassium is equal to 1500 units. How many units of penicillin G potassium are there in each vial?</p>	D

		<p>A. 15,000,000 B. 20,000,000 C. 25,000,000 D. 30,000,000</p>	
209	CAL	<p><b>58-</b> A physician ordered Labetalol hydrochloride intravenous infusion at a dose of 500 micrograms/min over an hour for a hypertensive patient. Labetalol hydrochloride is available in a 20 ml vial containing 5 mg/ml of the drug. Which of the following is the amount in (milliliters) of labetalol hydrochloride solution that should be administered?</p> <p>A. 4.5 B. 6 C. 7.5 D. 10</p>	B
210	CAL	<p><b>61-</b> A solution contains 448 mg of KCl (MW=74.5) and 468 mg of NaCl (MW=58.5) in 500 ml. Which of the following is the osmolar concentration of this solution?</p> <p>A. 0.056 B. 0.065 C. 1.556 D. 1.256</p>	A
211	CAL	<p><b>66-</b> A 10 ml ampule of 0.25% nicardipine hydrochloride is given to a patient after prepared diluted with 5% dextrose to get the drug concentration of .1mg/ml. How many milliliters of 5% dextrose should be used?</p> <p>A. 25 B. 100 C. 240 D. 250</p>	C
212	CAL	<p><b>76-</b> A drug vial contains 0.4% of drug X.</p> <p>Which of the following is the amount of the drug X (in mg) in a 5 ml dose?</p> <p>A. 0.2 B. 2 C. 20 D. 200</p>	C
213	CAL	<p><b>77-</b> A patient is prescribed 15 mg of paclitaxel by intravenous infusion. Paclitaxel is added to 150 ml 5% dextrose solution. The infusion was given over two hours. Which of the following is the infusion rate?</p> <p>A. 0.75 ml/min B. 1.25 ml/min C. 1.75 ml/min D. 2.50 ml/min</p>	B
214	CAL	<p><b>79-</b> An elixir contains 5 mg of drug X per ml. Which of the following is the amount of the elixir (in micrograms) in one teaspoon dose?</p> <p>A. 0.5</p>	D

		B. 1000 C. 1500 D. 25000															
215	CAL	<p><b>80-</b> A patient is receiving an intravenous infusion of theophylline at a rate of 0.48 mg/min. The average population pharmacokinetic parameters of theophylline are as follow: volume of distribution=95 Liter, renal clearance 48 mL/min, and elimination half-life= 8 hours Which of the following is the time (in hours) needed to achieve 93.75% of the final steady-state concentration?</p> <p>A. 8 B. 12 C. 24 D. 32</p>															
216	CAL	<p><b>84-</b> A 4-year-old boy is admitted with dehydration. He is started on Dextrose 5% and normal saline with 40 milliequivalents potassium chloride per liter at a rate of 40 ml per hour. His weight is 16 kilograms. How much potassium chloride (in milli equivalent per kilogram per day) is he receiving?</p> <p>A. 2.4 B. 3 C. 4.5 D. 6</p>	A														
217	CAL	<p><b>85-</b> Voltarol tablets contain 25 mg of Diclofenac Sodium. Molecular formula of Diclofenac Sodium: C14H10Cl2NO2.NA (see table).</p> <table border="1"> <thead> <tr> <th colspan="2">Relative atomic mass</th> </tr> </thead> <tbody> <tr> <td>Carbone</td> <td>12.1</td> </tr> <tr> <td>Hydrogen</td> <td>1.008</td> </tr> <tr> <td>Chloride</td> <td>34.45</td> </tr> <tr> <td>Nitrogen</td> <td>14.01</td> </tr> <tr> <td>Sodium</td> <td>22.99</td> </tr> <tr> <td>Oxygen</td> <td>16.00</td> </tr> </tbody> </table> <p><b>What is the amount of diclofenac per tablet of Voltarol?</b></p> <p>A. 20.99 B. 21.98 C. 23.19 D. 24.27</p>	Relative atomic mass		Carbone	12.1	Hydrogen	1.008	Chloride	34.45	Nitrogen	14.01	Sodium	22.99	Oxygen	16.00	C
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Carbone	12.1																
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218	CAL	<p><b>94-</b> A drug X is available in 100 mg/5 ml bottle. A prescription calls for: Drug X 200 mg three times daily for 7 days. How many (ml) are needed for the five days?</p> <p>A. 7.5 B. 15 C. 75 D. 150</p>	D														

		<p><b>97-</b> A drug was given to a patient with a constant intravenous infusion rate of 10 mg /hour. The half-life of the drug is three hours. Which of the following is the time in hours to reach steady state plasma concentration?</p> <p>A. 10 B. 15 C. 20 D. 30</p>	B
219	CAL	<p><b>2-</b> A pharmacy intern is preparing a solution containing 8.4 g of drug from an available stock solution labeled as 20% w/v. Which of the following is the volume he must take from 20% w/v solution?</p> <p>A. 4.2 mL B. 8.4 mL C. 42 mL D. 84 mL</p>	C
220	CAL	<p><b>6-</b> The pharmacy receives a prescription for labetalol 800 mg twice daily for three days. The available strength of labetalol in the pharmacy is 200 mg. Which of the following is the number of 200 mg labetalol tablet needed to prepare the above prescriptions for the total duration?</p> <p>A. 8 B. 12 C. 16 D. 24</p>	D
221	CAL	<p><b>14-</b> A prescription order asks for compounding dimenhydrinate syrup of strength of 12.5 mg/5 mL.</p> <p>How many 50 mg tablets of dimenhydrinate is needed to prepare a 60 mL of the syrup?</p> <p>A. 1 B. 2 C. 3 D. 6</p>	C
222	CAL	<p><b>24-</b> The weekly dose of docetaxel is 40 mg/m<sup>2</sup>. How milliliters of docetaxel solution, 160 mg/16 ml would a patient measuring 1.5 m<sup>2</sup> need every week?</p> <p>A. 4 ml B. 6 ml C. 8 ml D. 10 ml</p>	B
223	CAL	<p><b>25-</b> A drug vial contains 0.2% of drug X.</p> <p>Which of the following is the amount of the drug X (in mg) in a 5 ml dose?</p> <p>A. 0.1 B. 1 C. 10 D. 100</p>	C
224	CAL		

225	CAL	<p><b>33-</b> A 1 milliequivalent of calcium chloride =0.0735 g. How many milliequivalents (Eq) of calcium chloride are there in a 10 ml vial containing 10 % calcium gluconate?</p> <p>A. 1.36 mEq B. 13.6 mEq C. 73.5 mEq D. 136.0 mEq</p>	B
226	CAL	<p><b>44-</b> A 1 milli equivalent (1 mEq) of calcium gluconate = 0.215 g. How many milli equivalents (mEq) per ml of calcium gluconate are there in a 50 ml vial containing 5 g of calcium gluconate?</p> <p>A. 0.465 mEq/ml B. 2.320 mEq/ml C. 23.250 mEq/ml D. 46.500 mEq/ml</p>	A
227	CAL	<p><b>47-</b> A 10 ml ampule of 0.25 % nicardipine hydrochloride is given to a patient after proper diluted with 5 % dextrose to get the drug concentration of 0.1 mg/ml.  How many milliliters of 5 % dextrose should be used?</p> <p>A. 25 B. 100 C. 240 D. 250</p>	C
228	CAL	<p><b>51-</b> A preparation used 0.06 grams of drug X to prepare 120 tablets. Which of the following is the amount of the drug (in micrograms) in each tablet?</p> <p>A. 0.5 B. 5 C. 50 D. 500</p>	D
229	CAL	<p><b>54-</b> A 50 year-old girl weighing 20 kg is brought to the clinic with Lyme disease. The physician prescribed cefuroxime 12.5 mg/ kg twice daily for 14 days. The pharmacist has cefuroxime powder for suspension which after reconstitution with water forms 100 ml suspension with concentration of 125 mg/ 5 ml. How many bottles would the pharmacist dispense?</p> <p>A. 1 B. 2 C. 3 D. 4</p>	C
230	CAL	<p><b>56-</b> A child weighing 25 kg is prescribed acetazolamide 2.5 mg/kg every 12 hours. Acetazolamide is available in a liquid dosage form with strength of 25 mg/ ml. How many milliliters would the patient be administered per dose?</p> <p>A. 2.5 B. 5.0 C. 7.5 D. 10</p>	A

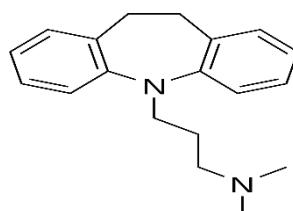
231	CAL	<p><b>60-</b> Which of the following is the amount of a drug (in gm) that is needed to make 150 ml of a solution if each teaspoonful must contain 7.5 mg of the drug?</p> <ul style="list-style-type: none"> <li>A. 0.225</li> <li>B. 0.75</li> <li>C. 2.25</li> <li>D. 7.50</li> </ul>	A
232	CAL	<p><b>62-A</b> Young child weight =30 kg) diagnosed with pharyngitis has been prescribed Augmentin suspension (125 mg amoxicillin/31.25 mg clavulanate/ 5 ml) days. to be given as two teaspoons three times daily for five .</p> <p>Which of the following is the minimum suspension volume that should dispense?</p> <ul style="list-style-type: none"> <li>A. 60 mL</li> <li>B. 90 mL</li> <li>C. 120 mL</li> <li>D. 150 mL</li> </ul>	D
233	CAL	<p><b>68-</b> A25 ml solution contains 5 grams of the drug.</p> <p>Which of the following is the drug concentration in mg/ml in the solution?</p> <ul style="list-style-type: none"> <li>A. 50 mg/ml</li> <li>B. 100 mg/ml</li> <li>C. 200 mg/ml</li> <li>D. 400 mg /ml</li> </ul>	C
234	CAL	<p><b>73-</b> A 1000-mg dose of a drug was given intravenously to a 25-year-old male patient weighing 60 Kg. the initial plasma concentration of the drug was found to be 10 mg/L, and the elimination rate constant was 0.1 h. Assuming linear kinetics, what would be the total body clearance?</p> <ul style="list-style-type: none"> <li>A. 10 litres/hour</li> <li>B. B.100 liters/hour</li> <li>C. 150 liters/ hour</li> <li>D. 250 litres/hour</li> </ul>	A
235	CAL	<p>51- 1g dextrose kcal ?</p> <p>A- 3 B- 3.4 B- 4</p>	B
236	CAL	<p>105- A manufacturer wishes to produce a batch of compressed tablets each containing 800 mg active ingredient, with a mean table weight of 1.2 g. Which of the following is the weight of active ingredient that will be required for a total batch size of 720 kg ?</p> <p>A. 600 Kg B. 480 Kg C. 250 Kg <math>720 * 800 \div 1200 = 480</math></p>	B

237	CAL	<p>223- 10 ml ampule of 0.25% nicardipine hydrochloride is given to a patient after proper diluted with 5% dextrose to get the drug concentration of 0.1 mg/ml. How many milliliter of % dextrose should be used?</p> <p>A- 25 B- 100 c- 240 d-250</p>	
238	CAL	<p>275-The pharmacy receive a prescription for 7% Beclomethasone ointment 100g in the pharmacy you have 2% ointment, and 10% ointment. Using the alligation method, calculate how much you need of the 2% ointment, and 10% ointment to make the 7% ointment required.</p> <p>A- How much 10% ointment (in grams) b- How much 2% ointment (in grams)</p>	C
239	cal	<p>423- drug has volume of distribution 15 liter and oral bioavailability 0.6 What is the loading dose in mg required to reach 0.8mg/ml steady state concentration?</p> <p>A. 20 B. 12 C. 2 D. 0.2</p>	
240	CaL	<p><b>65-</b>A 500 ml intravenous infusion solution was prepared by adding 10 ML of 10 % Of anticancer drug to 490 ml of 5 % dextrose. Which of the following is the percentage strength of the drug in the Infusion solution?</p> <p>A. 0.2 % B. 0.4 % C. 0.5 % D. 1.0 %</p>	A
241	cal	<p><b>100-</b> A 5-year-old girl admitted to the Pediatric Intensive Care Unit (PICU) with severe hypotension. The physician prescribed dopamine infusion at a rate of 5mcg/kilogram/minute. The child weights 15 kilograms. How many milliliters are needed from an 80 mg/ml dopamine vial to prepare the 24-hour infusion?</p> <p>A. 1 ml B. 1.4 ml C. 2 ml D. 2.5 ml</p>	B
242	CANC	<p><b>56-</b> A 25-year-old man with leukemia admitted to hematology oncology center. Who is allowed to read the patient file without additional permission?</p> <p>A) Patient's cousin who is working as out-patient nurse in the hospital B) Medical resident in pediatric who wants to explore the risk leukemia C) Clinical nutritionist who is assigned to calculate the requires for the patient D) Pharmacy resident who is planning to do a research cell transplant</p>	C

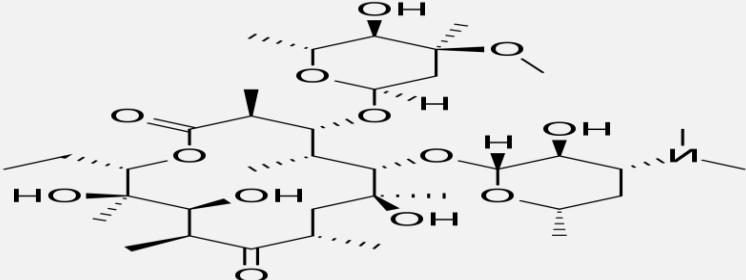
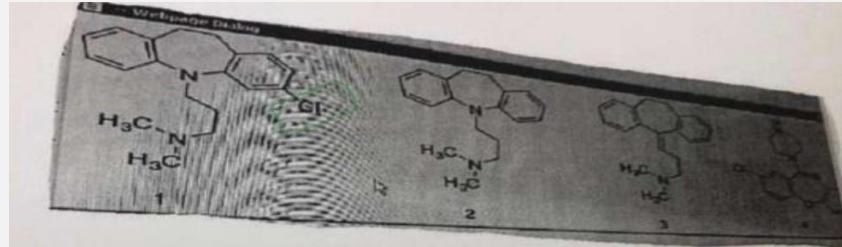
243	CANCER	<p><b>57 -Which of the following anti-neoplastic medications is known to cause bone marrow suppression?</b></p> <ul style="list-style-type: none"> <li>A. bleomycin</li> <li>B. vincristine</li> <li>C. doxorubicin</li> <li>D. l-asparaginase</li> </ul>	C
244	CANCER	<p><b>59- Which of the following is an alkylating anticancer agent?</b></p> <ul style="list-style-type: none"> <li>A. cyclophosphamide</li> <li>B. fluorouracil</li> <li>C. doxorubicin</li> <li>D. etoposide</li> </ul>	A
245	CANCER	<p><b>(11) 42-year-old woman, a mother of 2 boys is diagnosed with cancer, treatment options includes either hysterectomy or chemotherapy The patient refused the surgery because she still wants to daughter, and do not want to receive any chemotherapy in protect her hair and beauty.</b></p> <p><b>What will be the most appropriate suggestion for her?</b></p> <ul style="list-style-type: none"> <li>A-To starts chemotherapy with very low doses and less frequency</li> <li>B- To go with the option of surgery immediately because it is</li> <li>C-To discuss the risk and benefit with the patient and take the decision</li> <li>D-To force the patient to receive chemotherapy and wear syn hair extensions</li> </ul>	C
246	CANCER	<p><b>67- Which of the following anti-cancer alkaloids act by stabilizing the microtubule polymer and protecting it from disassembly?</b></p> <ul style="list-style-type: none"> <li>A. Paclitaxel</li> <li>B. Colchicine</li> <li>C. Vinblastine</li> <li>D. Camptothesin</li> </ul>	A
247	CANCER	<p><b>26. Which of the following is a recommendation to reduce the inadvertent intrathecal administration of vincristine?</b></p> <ul style="list-style-type: none"> <li>A. dispense the syringe without needle</li> <li>B. dispense vincristine in 60-ml syringe</li> <li>C. dispense vincristine in mini bag instead of syringe</li> <li>D. dispense the vial for the nurse to prepare at the bedside</li> </ul>	C
248	CANCER	<p><b>8- What is the most common adverse reaction of doxorubicin?</b></p> <ul style="list-style-type: none"> <li>A. Bone marrow depression</li> <li>B. Hepatic toxicity</li> <li>C. Cardiac toxicity</li> <li>D. Skin necrosis</li> </ul> <p><b><i>BLEOMYCIN _ pulmonary fibrosis</i></b></p> <p><b><i>MITOMYCIN _ nephrotoxicity</i></b></p>	C
249	CANCER	<p><b>35- What is the therapeutic indication for nilotinib?</b></p> <ul style="list-style-type: none"> <li>A. Ulcerative colitis</li> <li>B. Familial hyperlipidemia</li> </ul>	D

		<p>C. Highly active and relapsing remitting multiple sclerosis D. Philadelphia chromosome positive chronic myelogenous leukemia</p>	
250	CANCER	29- 40 years old women with breast cancer, topoisomerase is elevated, which drug should be used A- Cyclophosphamide B- Melphalan C- Irinotecan D- Methotrexate	C
251	CANCER	129- Immune system works an important role in cancer treatment by ? A. Macrophage B. cytotoxic C. complex	B
252	CANCER	173- prevention breast cancer ? A. Vit A 100 B. Vit D 200 C. None of them D. Vit A + vit d	<i>Secondary prevention</i> B
253	CANCER	196- prevention breast cancer ? A. Vit A 100 B. Vit D 200 C. None of them D. Vit A + vit d	B
254	CANCER	265- Immune system works an important role in cancer treatment by ? A. Macrophage B. cytotoxic C. complex	B
255	CANCER	267-Cysteine in chemotherapy agent benefit ? A- Increase Target B- Increase effects C- increase solubility D- More information need	B
256	CHEM	<p><b>90-Click image to enlarge</b></p> <p>Acetaminophen is an antipyretic and an analgesic drug. It binds to a cytosolic protein (see image). Which of the following types of bonds is formed between the protonated amine of the acetaminophen and the cytosolic acid of the aspartate residue of the protein?</p> <p>A. ionic bond B. covalent bond C. hydrogen bond D. VAN_der walls interaction</p>	C

		63- Which of the following molecules contains double bond?	
257	CHEM	<p>A. CH3 B. CNH C. C2H2 D. C2H4</p>	D
258	chem	<p>65) Quinine is an important antimalarial drug with very complicated structure and is very sensitive stereochemistry (see image).</p> <p>quinine (1, QN, R = OMe) cinchonidine (3, CD, R = H)</p> <p>quinidine (2, QD, R = OMe) cinchonine (4, CN, R = H)</p> <p>Which pharmacological activity the drug will possess stereochemistry at the arrow has changed from R to S?</p> <p>A. anticancer B. antimalarial C. anticoagulant D. antiarrhythmic</p>	D
259	chem	<p>80) Click image to enlarge</p> <p>Acetaminophen is an anti pyretic and an analgesic drug. It binds to a cytosolic protein (see image). Which of the following types of bonds is formed between the protonated amine of the acetaminophen and the carboxylic acid of the aspartate residue of the protein?</p> <p>A) ionic bond B) covalent bond C) hydrogen bond D) van-der walls interaction</p>	C
260	CHEM	<p>(14) Which of the following can be used safely in a patient with sulfa allergy?</p> <p>A) gliclazide B) furosemide (فرشاد) C) sulfamethoxazole D) sodium thiosulfate</p>	B
261	CHEM	<p>13) The structure of norepinephrine-serotonin reuptake inhibitor (NSRI) (see image)</p> <p>Which of the following structure modifications can transform this drug into a selective norepinephrine reuptake inhibitor (SNRI) analogue?</p> <p>A. quaternization of the side chain amino group B. transformation of the side chain amino group into a primary amine C. replacement of the side chain N,N-dimethylamino group with a hydroxyl group D. demethylation of the side chain tertiary amino group to yield a secondary amino group</p>	D



		<p><b>23-</b> Thalidomide is a potent immunomodulatory drug used to treat leprosy Thalidomide exist in two conformation structures with different pharmacological and toxicological activates teratogenicity is believed to be caused on conformational structure (see image ).</p>	
262	CHEM	<p>Which of the following is the most appropriate term used to call the two conformations of the thalidomide?</p> <ul style="list-style-type: none"> <li>A. Isomers</li> <li>B. Epimers</li> <li>C. Enantiotimers</li> <li>D. Diasteriomers</li> </ul>	c
		<p><b>28)</b> A structure of the glibenclamide (glyburide)(see image)</p>	
263	chem	<p>Which of the following pharmacophore does Glibenclamide (glyburide) contain?</p> <ul style="list-style-type: none"> <li>A. Benzenesulfonate urea</li> <li>B. Benzenesulfinyl urea</li> <li>C. Benzenesulfonyl urea</li> <li>D. Benzenesulphonyl urea</li> </ul>	d
		<p><b>29-</b> Aspirin is well-known antiplatelet aggregating agent (see image)</p> <p style="text-align: center;"><b>Aspirin</b> <b>Acetylsalicylic acid</b> <b>C<sub>9</sub>H<sub>8</sub>O<sub>4</sub></b></p>	
264	chem	<p>What is the role of the acetyl group in its antiplatelet activity?</p> <ul style="list-style-type: none"> <li>A. it represents a good leaving group to form the active salicylic acid</li> <li>B. it provides hydrogen binding with tyrosine moiety on COX binding</li> <li>C. it provides covalent binding with serine moiety found on COX binding site</li> <li>D. it provides hydrophobic binding with a tryptophan moiety on COX binding site</li> </ul>	c
		<p><b>38)</b> Examine the drug in the figure (see image).</p>	
265	CHEM		c

		<p><b>What is the effect of replacement of the methoxyl group (boxed) with a hydroxyl group?</b></p> <ul style="list-style-type: none"> <li>A. Decrease in analgesic activity</li> <li>B. Decrease in addition activity</li> <li>C. Reduction in the antitussive activity</li> <li>D. Lower affinity to morphine receptors</li> </ul> <p>N.B:-structure in pic is codeine (anti tussive) convert into morphine(analgesic)</p>	
266	CHEM	<p><b>40- The structure of erythromycin (see image)</b></p>  <p><b>Which of the following is the reason why erythromycin is sensitive to acidic pH?</b></p> <ul style="list-style-type: none"> <li>A. The presence of lactone group in the ring</li> <li>B. The presence of two basic sugars at position 3 and 5</li> <li>C. The presence of 6 months methyl groups at alternate positions of the macrolide ring</li> <li>D. Ketal formation between hydroxyl group (6 and 12) and ketone at position 9</li> </ul>	D
267	CHEM	<p><b>35- Which of the following polymorphic enzyme is responsible for the conversion of codeine to morphine?</b></p> <ul style="list-style-type: none"> <li>A. CYP2D6</li> <li>B. CYP2C9</li> <li>C. CCR5 coreceptor</li> <li>D. N-Acetyltransferase</li> </ul>	A
268	CHEM	<p><b>38- Structures of four antidepressant drugs (see image)</b></p>  <p><b>Which of the following antidepressant structure undergoes a photo- oxidation reaction upon exposure to the light?</b></p> <ul style="list-style-type: none"> <li>A. 1</li> <li>B. 2</li> <li>C. 3</li> <li>D. 4</li> </ul>	A
269	CHEM	<p><b>39- The chemical structure of four non-steroidal anti-inflammatory agents (NSAIDs) (see image).</b></p>	B

		<p>Which of the following NSAIDs has minimal possible gastric side effects?</p> <ul style="list-style-type: none"> <li>A. (ibuprofen)</li> <li>B. (celecoxib) selective cox-2</li> <li>C. (indomethacin)</li> <li>D. (diclofenac)</li> </ul>	
270	CHEM	<p><b>8-Click image to enlarge</b></p> <p>The antiviral oseltamivir (Tamiflu) is a prodrug that is metabolized by esterase to the active compound (see image اجتهداد ).</p> <div style="text-align: center;"> <p>Oseltamivir phosphate      Ester hydrolysis      Oseltamivir carboxylate</p> </div> <p>Which of the following?</p> <ul style="list-style-type: none"> <li>A. a</li> <li>B. b</li> <li>C. c</li> <li>D. d</li> </ul> <p>NB:</p>	
271	CHEM	<p><b>10- Which of the following is the most common cause of drug instability?</b></p> <ul style="list-style-type: none"> <li>A. oxidation</li> <li>B. racemization</li> <li>C. epimerization</li> <li>D. decarboxylation</li> </ul>	A
272	CHEM	<p><b>30- Which of the following molecules contains double bond?</b></p> <ul style="list-style-type: none"> <li>A. CH3</li> <li>B. CNH</li> <li>C. C2H2</li> <li>D. C2H4</li> </ul>	D
273	CHEM	<p><b>50- Structure of ciprofloxacin (SEE IMAGE )</b></p>	D

		<p>Which of the following is the benefit of the piperazine group at position?</p> <ul style="list-style-type: none"> <li>A. Increases drug resistance to <math>\beta</math>-lactamase</li> <li>B. improves the oral bioavailability of the drug</li> <li>C. Increases lipophilicity and hence penetration of the bacterial cell wall</li> <li>D. Improves the spectrum of antibacterial activity (especially Gram-negative)</li> </ul>	
274	CHEM	<p>51- Which one of the following is the effect to alkaline buffers that have in commercial formulations of aspirin?</p> <ul style="list-style-type: none"> <li>A. they have one effect on the rate of absorption</li> <li>B. they increase the rate of its absorption by alkalinizing the pH of the stomach</li> <li>C. they reduce the rate of absorption of aspirin by converting it to the less readily absorbed Ionic form</li> <li>D. they Increase the rate of absorption by increasing the PH immediately around the disintegrating aspirin particles and accelerating their dissolution</li> </ul>	D
275	CHEM	<p>73-Examine the chemical structure of diclofenac (see image تقریبی).</p> <p>Diclofenac</p> <p>4'-Hydroxy-Diclofenac</p> <p>Which of the following structures best represents a major active metabolite of diclofenac?</p> <p>A.1 B.2 C.3 D.4</p>	C
276	CHEM	<p>78-Click image to enlarge</p> <p>The presented structure belongs to the proton pump inhibitor tenatoprazol (see image).</p> <p>Which of the following metabolic reactions can occur at the pointed arrow on the structure?</p> <p>A. sulfation B. oxidation C. demethylation D. glucuronidation</p>	B

		<p><b>Click image to enlarge</b></p> <p><b>Which of the following medications contains triazole moiety? (see image)</b></p>
277	<b>CHEM</b>	<p><b>Fig. 1</b></p> <p><b>Myclobutanil (Antifungal)</b></p> <p><b>Tebuconazole (Antifungal)</b></p> <p><b>Pacllobutanol (Antifungal)</b></p> <p><b>Posaconazole (Antifungal)</b></p> <p><b>Fluconazole (Antifungal)</b></p> <p><b>Itraconazole (Antifungal)</b></p> <p><b>Anastrazole (Anticancer)</b></p> <p><b>Litroazole (Anticancer)</b></p> <p><b>Vorozole (Anticancer)</b></p> <p><b>Rizatriptan (Antimigraine)</b></p> <p><b>Ribavirin (Antiviral)</b></p> <p>Marketed preparations containing 1,2,4-triazole as core moiety</p>
		<p>الصورة ماهي واضحة فهذى ستركترات تحتوي على</p> <p><b>TRIAZOLE</b></p> <p><b>98-Click image to enlarge</b></p> <p><b>Histamine (<math>pK_a=9.4</math>) is endogenous chemical release when allergic reaction happened. As a pharmacist you are responsible to understand the mechanism and the conformation of this chemical in the blood (see image).</b></p> <p>Dominant species at pH 2.0      Dominant species at pH 7.4      Dominant species at pH 13.0</p> <p>No ion enz.</p> <p>Which of the following is the least dominant tautomer of the histamine?</p> <p><b>C</b></p>

		<p>at the physiological pH?</p> <p>A. a B. b C. c D. d</p>	
		<p>80- Click image to enlarge</p> <p>D-Galactose and D-Mannose are monosaccharide sugar. They have the same number of carbons and the same functional group, but they differ in their configurations. This reflects their pharmaceutical uses (see image)</p>	
279	CHEM	<p style="text-align: center;"><b>Stereochemistry</b></p> <p><b>Enantiomers</b></p> <p>L-glucose      D-glucose</p> <p><b>Diastereomers</b></p> <p>D-mannose      D-galactose</p> <p><b>Epimers</b></p> <p>D-glucose      D-mannose</p> <ul style="list-style-type: none"> <li>• <u>Enantiomers</u> = mirror images</li> <li>• Pairs of isomers that have opposite configurations at one or more chiral centers but are NOT mirror images are <u>diastereomers</u></li> <li>• <u>Epimers</u> = Two sugars that differ in configuration at only one chiral center</li> </ul> <p>Which of the following types of stereo-isomerization do these sugars represent?</p> <p>A. isomers B. epimers C. anomers D. diasteromers</p>	D ?
280	CHEM	<p>8) - Ropivacaine is an important local anesthetic. The figure shows the chemical structures of ropivacaine and 4 other local anesthetics (see image). Which of the following is the bioisoster for ropivacaine?</p> <p>A. Etidocaine B. Bupivacaine C. Mepivacaine D. Levobupivacaine</p>	D
281	CHEM	<p>60- Amphotericin undergo which reaction?</p> <p>A. Hydrolysis B. Alkylation C. Reduction D. Oxidation</p>	A

282	CHEM	63- epimor of glucose? A. Ribose B. galactose C. deoxyribose	B
283	CHEM	66- two chemical configurations for the same drug, one is R and the other is S what it is called ? A- Isomers	
284	CHEM	74- Morphine to heroine? A. Carboxylation B. Estrefication	B
285	CHEM	124- Morphine to heroine?? A- Carboxylation B- estrefication	B
286	CHEM	135- type of bond between amino acids ? A. amide bond B. disulfide bond C. Ionic bond D. Van der vals bond	A
287	CHEM	145- Aspirin metabolism ? A- Methylation b- Hydroxylation c- Conjugation	B
288	CHEM	169- Bond between Carboxyl and amine ? A. hydrogen bond B. b- ionic bond C. vander wal	A
289	CHEM	246-Banzimidazole and pyridine connected together with ? A- disulphide bond	
290	CHEM	295-Structures of zidovudine antivirals, marked 4 area on structure and asked about which part to remove that make the antiviral drug not effective ? A. N3 B. CH3 C. C=O D. OH	A
291	CHEM	364- Which element is not involve in heterocyclic compounds ? A. N B. H C. Se D. Fe	D
292	CHEM	367- which the least dominant Tautomerism of the histamine at the physiological ph ? A- NH3	

293	CHEM	375- ephedrine phenylephrine additional of hydroxyl group what do to activity ? A. increase alpha 1 B. decrease alpha 1 C. increase alpha 2 D. decrease alpha 2	A
294	CNS	82- Which of the following is the active metabolite of primidone? A. phenytoin B. dopamine C. phenobarbital D. methsuximide	C
295	CNS	85- Which of the following is the therapeutic indication for methylphenidate? A. eczema B. insomnia C. anorexia nervosa D. attention deficit disorder in children	D
296	CNS	96- A 6-year-old boy is brought with complaint of uncontrollable spasm-like movements and excessive eye blinking for four months. Chronic motor disorder was diagnosed.Which of the following is the best management? A. pregabalin B. Haloperidol (ارش) C. Methadone D. Chlorzoxazone	B
297	CNS	Which of the following is an inhibitory neurotransmitter? A. Aspartate B. Serotonin C. Glutamate D. Gama aminobutyric acid (GABA)	D + B
298	CNS	44) 67-year-old man presents with complaints of tremors trouble wading and masked face Parkinson's disease is suspected levodopa is prescribed along with a compound to lower required dose of levodopa and to achieve an effective brain dopamine concentration which of the following is that most likely compound? A. pergolide B. selegiline C. carbidopa D. entacapone	C
299	CNS	64) Which of the following is a potential side effect of using chlorpromazine in an elderly person? A. dyskinesia B. constipation C. urinary retention D. tardive dyskinesia	D

300	CNS	<p><b>40)</b> 14 years-old man expressed withdrawal symptoms from using benzodiazepine drug which included Irritability and aggression which of the following types of benzodiazepines is more likely associated with these symptoms?</p> <ul style="list-style-type: none"> <li>A) long-acting benzodiazepines</li> <li>B) ultra-short acting benzodiazepines</li> <li>C) benzodiazepines WITH ACTIVE METABOLITES</li> <li>D) benzodiazepines with high plasma protein binding</li> </ul>	B
301	CNS	<p><b>21)</b> A 38-year-old man is using citalopram 20mg po daily for depression which he has been taking for 1 year. A week ago, he had an infection and was prescribed linezolid 600 mg PO q12h for a total of 14 days. The patient began to get confused and easily agitated like he was breathing rapidly and started to sweat and developed. He was noticeably shaking.</p> <p>Which of the following is name of this drug-drug interact happened to this patient?</p> <ul style="list-style-type: none"> <li>A) Hepatotoxicity</li> <li>B) Seizure activity</li> <li>C) Serotonin syndrome</li> <li>D) Stevens Johnson syndrome</li> </ul>	C
302	CNS	<p><b>60-</b> An elderly man presented to the emergency room with dizziness consciousness, and respiratory depression. He was recently medication for inability to sleep.</p> <p>Which of the following medications is the most likely drug involve toxicity?</p> <ul style="list-style-type: none"> <li>A) Aspirin</li> <li>B) Naproxen</li> <li>C) Diazepam</li> <li>D) Acetaminophen</li> </ul>	C
303	CNS	<p><b>6-</b> An 18-year-old boy with a history of illicit drug use is suspected to have an overdose of benzodiazepines and is experiencing ataxia, drowsiness and nystagmus.</p> <p>Which of the following would be the best antidote?</p> <ul style="list-style-type: none"> <li>A. Activated charcoal 50grams</li> <li>B. Flumazenil 300 mcg intravenously</li> <li>C. Naloxone 400 mcg intramuscularly</li> <li>D. Haloperidol 10 mg intramuscularly</li> </ul>	B
304	CNS	<p><b>28-</b> which of the following is considered first line therapy for the management of partial seizures?</p> <ul style="list-style-type: none"> <li>A. Carbamazepine</li> <li>B. Phenobarbital</li> <li>C. Gabapentin</li> <li>D. Primidone</li> </ul>	A
305	CNS	<p><b>(49)</b> Which of the following electrolyte imbalances predispose to lithium toxicity?</p> <ul style="list-style-type: none"> <li>A. magnesium</li> <li>B. potassium</li> <li>C. calcium</li> </ul>	D

		<b>D. sodium</b>	
306	CNS	<p><b>68-</b> Which of the following anticonvulsants needs serum level monitoring for optimize safety and efficacy?</p> <p>A. Phenytoin B. Locosamide C. Topiramate D. Levetiracetam</p>	A
307	CNS	<p><b>76-</b> Which of the following dosage regimen is approved for severe Alzheimer's disease?</p> <p>A. Donepezil 23 mg daily B. Memantine 5 mg daily C. Rivastigmine 6 mg twice daily D. Galantamine 12 mg twice daily</p>	A
308	CNS	<p><b>94-</b> Which of the following counseling points is most important to discuss with a patient who is taking carbidopa/levodopa?</p> <p>A. Should be taken on an empty stomach B. High-fat meal may increase the absorption C. Should not be taken with calcium supplements D. High-protein meal may decrease the absorption</p>	D
309	CNS	<p><b>(11)</b> Which of the following is the most likely reason for increased risk of falls in geriatric patients using tricyclic antidepressants?</p> <p>A. palpitations B. weak muscles C. orthostatic hypotension D. difficulty in concentration</p>	C
310	CNS	<p><b>(17)</b> Which of the following medications is the most appropriate for nausea induced by the anti-Parkinson's drug bromocriptine?</p> <p>A. itopride B. Domperidone C. Metoclopramide D. Chlorpheniramine</p>	B
311	CNS	<p><b>43-</b> Which of the following is the mechanism of action of entacapone?</p> <p>A. Inhibition of nicotinic receptors B. Inhibition on dopamine-D2 receptors C. Inhibition of monoamine oxidases (MAO) D. Inhibition of catechol-O-methyltransferase (COMT)</p>	D
312	CNS	<p><b>64-</b> Which of the following drugs causes oligohydrosis?</p> <p>A. Phenytoin B. Topiramate C. Zonisamide D. Oxcarbazepine</p>	B

313	CNS	<p><b>90- Which of the following does mechanisms Carbidopa act as an anti-parkinsonian agent?</b></p> <p>A. Blocking dopamine receptors B. Activating serotonin reuptake C. Binding to alpha-7 nicotinic acetylcholine receptors D. Decreasing the decarboxylation of levodopa in peripheral tissues</p>	D
314	CNS	<p><b>91- Which of the following is the therapeutic use of the dietary supplement Valerian?</b></p> <p>A. Improve urinary flow B. Reduce severity of a cold or virus infection C. Improve memory D. Mild sedative</p>	D
315	CNS	<p><b>30-A 61-year-old was recently diagnosed with Parkinson's disease He was prescribed an anti-Parkinson medication. Later, he was presented to the clinic with mydriasis and narrow angle glaucoma. Which of the following medication was prescribed?</b></p> <p>A. Amantadine B. Bromocriptine C. Trihexyphenidyl D. Levodopa (L-DOPA)</p>	C
316	CNS	<p><b>58- Which of the following is the active metabolite of primidone?</b></p> <p>A. phenytoin B. dopamine C. phenobarbital D. methsuximide</p>	C
317	CNS	<p><b>59- A 45-year-old woman was prescribed a sedative for anxiety to be taken at night. Three days later, she presented complaining of drowsiness, dysphoria and motor depression every morning. Which of the following medications was most likely prescribed?</b></p> <p>A. zolpidem B. diazepam C. ramelteon D. midazolam</p>	C
318	CNS	<p><b>64- Which of the following medications is used to treat Alzheimer's disease?</b></p> <p>A. donepezil B. amantadine C. trihexyphenidyl D. carbidopa-levodopa</p>	A
319	CNS	<p><b>89- Which of the following receptors is the target for morphine action?</b></p> <p>A. glutamate receptor B. interleukin-2 receptor C. mu (<math>\mu</math>)opioid receptor D. acetylcholine receptor</p>	C

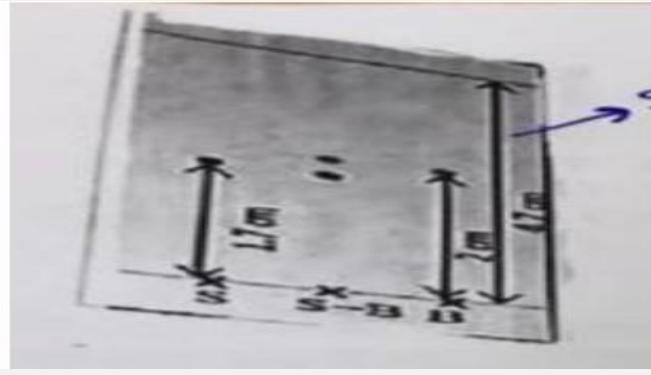
320	CNS	<p><b>2- Which of the following side effects is common with short half-life hypnotics?</b></p> <p>A. rebound insomnia B. development of tolerance C. induction of liver metabolic enzymes D. retrograde amnesia during the next day</p>	A
321	CNS	<p><b>4- A 67-year-old man presents with complaints of tremors, trouble walking and masked face, Parkinson's disease is suspected Levodopa is prescribed along with a compound to lower the required dose of levodopa and to achieve an effective brain-dopamine concentration.Which of the following is the most likely compound?</b></p> <p>A. pergolide B. selegiline C. carbidopa D. entacapone</p>	C
322	CNS	<p><b>38- Which anxiolytic drug has a slow onset of action?</b></p> <p>A. diazepam B. buspirone (onset 2-4 week for anxiolytic effect) C. alprazolam D. phenobarbital</p>	B
323	CNS COG	<p><b>69- Which of the following is the therapeutic use of the dietary supplement valerian?</b></p> <p>A. improve urinary flow B. reduce severity of a cold or virus infection C. improve memory D. mild sedative</p>	D
324	CNS	<p><b>81- Which of the following statements best describes L-DOPA</b></p> <p>A. it is absorbed and converted to carbidopa B. it activates nicotinic acetylcholine receptors C. it is the drug of choice in the treatment of Alzheimer's disease D. it crosses the blood brain barrier and is converted to dopamine</p>	D
325	CNS	<p><b>12- Which of the following adverse effects is associated with the use of barbiturates in elderly?</b></p> <p>A. Ataxia B. Agitation C. Dementia D. Hypotension</p>	D
326	CNS	<p><b>21- Which of the following mechanism of actions most appropriately describes benzodiazepines?</b></p> <p>A. Inhibit GABA's actions at the GABA receptor B. Potentiate 5-HT's actions at the 5-HT receptor C. Potentiate GABA's actions at the GABA receptor D. Potentiate glutamate's actions at the NMDA receptor</p>	C

327	CNS	<p>67- Which of the following is a therapeutic use of lorazepam?</p> <ul style="list-style-type: none"> <li>A. Antihistamine</li> <li>B. Analgesic</li> <li>C. Hypnotic</li> <li>D. Diuretic</li> </ul>	C
328	CNS	<p>40- Case Epilepsy patient and positive HLA-B (1502) Which the following antiepileptic can be use?</p> <ul style="list-style-type: none"> <li>A. Levetiracetam</li> <li>B. Lamotrigine</li> <li>C. Phenytoin</li> <li>D. Carbamazepine</li> </ul>	A
329	CNS	<p>56- Drug of choice for patient has focal seizure with HLA-B 1502 positive?</p> <ul style="list-style-type: none"> <li>A. levetiracetam</li> <li>B. Carbamazepine</li> <li>C. Lamotrigine</li> <li>D. Phenobarbital</li> </ul> <p>Note: Lamotrigine Or gabapentin if present</p>	A
330	CNS	<p>Which of the following is the First line drug for Alzheimer ?</p> <p>A- Amantadine B- Donepezil C- Levodopa D- Dopamine</p>	B
331	CNS	<p>98- which is the following is the active metabolite of primidone?</p> <ul style="list-style-type: none"> <li>A. Phenytoin</li> <li>B. Dopamine</li> <li>C. Phenobarbital</li> <li>D. Methylsuximide</li> </ul>	C
332	CNS	<p>126- Which of the following drugs causes oligohydrosis ?</p> <p>A- phenytoin B- <b>topiramate</b> صحيف C- <b>zonisamide</b> الاقرب D- oxcarbazepine</p>	C
333	CNS	<p>132- PTN with DM and neuropathy and Depression use ?</p> <p>A- duloxetine</p>	
334	CNS	<p>143- Memantine mechanism of action in alzheimer ?</p> <ul style="list-style-type: none"> <li>A. affinity uncompetitive N-methyl-D-aspartate (NMDA) receptor</li> <li>B. Memantine also blocks the 5-hydroxytryptamine-3 receptor (at a potency similar to the NMDA receptor</li> <li>C. And thus preventing loss of neurons</li> </ul>	A,C

335	CNS	<p>148- Which of the following mood stabilizers would be most appropriate in a patient with liver disease?</p> <ul style="list-style-type: none"> <li>A. lithium</li> <li>B. valproic acid</li> <li>C. carbamazepine</li> <li>D. none of the above</li> </ul>	
336	CNS	<p>149 -Which of the following medications would be first-line monotherapy for an acute episode of mania ?</p> <ul style="list-style-type: none"> <li>A. gabapentin</li> <li>B. lithium</li> <li>C. lamotrigine</li> <li>D. haloperidol</li> </ul>	A
337	CNS	<p>171- Pregnant with tonic-colonic seizure ?</p> <ul style="list-style-type: none"> <li>A. Valproic acid + folic acid</li> <li>B. lamotrigine</li> <li>C. cyclizine</li> <li>D. metformin</li> </ul>	B
338	CNS	<p>188- Side effects of short half-life hypnotics ?</p> <p>A- Rebound insomnia B- Development of tolerance</p>	A
339	CNS	<p>198- Stevens-Johnson syndrome?</p> <ul style="list-style-type: none"> <li>A. Valproic acid</li> <li>B. Quinidine</li> <li>C. Isoniazid</li> <li>D. Ethosuximide</li> </ul>	A
340	CNS	<p>212-Common side effect of chlorpromazine ?</p> <ul style="list-style-type: none"> <li>A. Headach</li> <li>B. Dru cough</li> <li>C. Akathisia or Tardive dyskinesia</li> </ul> <p>Note: Pigmentary on retina and corneal ?</p>	C
341	cns	<p>300- Breastfeeding + epilepsy ??</p> <p>A- Keppra (Levetiracetam ) B- Phenytoin C- Carbamazepine D- topiramate</p>	A
342	CNS	<p>302-Phenytoin metabolism reaction is ?</p> <p>A- Oxidation B- decarboxylation C- 4-hydroxyphenyl D- methylation</p>	AC

343	CNS	<p>314- Parkinson patient has dry cough he was using Selegline MAOI but stopped it before 3 weeks what to do ?</p> <p>A. It is reasonable to give      B. Dextromethorphan      C. give Guaifenesin      D. Don't give</p>	B																
344	CNS	<p>349- which the following Increase lithium concentration ?</p> <p>A- caffeine      B- diuretic (Thiazide)      C- NSAIDs      D- fluid intake</p>	B																
345	CNS	<p>384- 45year old man who has been injured in a car accident is brought into the emergency room. His blood alcohol level on admission is 275 mg/dL. Hospital records show a prior wife confirms hospitalization for alcohol related seizures. His 3 weeks. What treatment that he has been drinking heavily for into withdrawal should be provided to the patient if he goes</p> <p>A. Lorazepam      B. Pentobarbital      C. Phenytoin      D. Buspirone</p>	A																
346	CNS	<p>386-Another patient also on BZD for anxiety and she had car accident due to drowsiness. She mentioned that she took cimetidine for heart burn. What happened ?</p> <p>A) Cimetidine increase the anxiolytic metabolism      B) Cimetidine decreased the anxiolytic metabolism</p>	B																
347	CNS	<p>388- Case of status epilepsy already got lorazepam IV. what drug next ?</p> <p>A- phenytoin IV      B- diazepam orally      C- phenobarbital iv</p>	A																
348	COG	<p><b>88-</b> A colleague of yours asked you to identify the content of green leaves herbal supplement, he's been using for the past two weeks (as tea drink) to help him lose weight and boost his energy. He mentioned that he is starting to have the following symptoms: tremors, palpitation and lack of sleep (insomnia). You prepared aqueous and organic solutions from the leaves and performed phytochemical screening tests to identify the plant (see label result)</p> <table border="1"> <thead> <tr> <th>Phytochemical screening tests</th> <th>Test result</th> </tr> </thead> <tbody> <tr> <td>Fehing test</td> <td>Negative</td> </tr> <tr> <td>Dragendorff's test</td> <td>positive (red-orange ppt)</td> </tr> <tr> <td>Foam test</td> <td>Negative</td> </tr> <tr> <td>Lead acetate test</td> <td>Negative</td> </tr> <tr> <td>Ninhydrin test</td> <td>Negative</td> </tr> <tr> <td>Salkowski's test</td> <td>Negative</td> </tr> <tr> <td>Keller-killani test</td> <td>Negative</td> </tr> </tbody> </table>	Phytochemical screening tests	Test result	Fehing test	Negative	Dragendorff's test	positive (red-orange ppt)	Foam test	Negative	Lead acetate test	Negative	Ninhydrin test	Negative	Salkowski's test	Negative	Keller-killani test	Negative	A
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		<p>Which of the following is the most likely active ingredient in the above plant?</p> <p>A. alkaloid B. saponin C. reducing sugar D. cardiac glycoside</p>	
349	COG	<p>50) 49-year-old-woman is regularly drinking an herbal made from dry senna fruit she developed severe hepatotoxicity.</p> <p>which of the following is the active glycoside of the senna that is associated with hepatotoxic effect?</p> <p>A) flavonoid B) saponine C) triterpene D) anthraquinone</p>	D
350	COG	<p>60- Which of the following is an alkaloid isolated from the autumn crocus plant and is useful in the treatment of the symptoms of gouty arthritis?</p> <p>A. Celecoxib B. Ibuprofen C. Colchicine D. Rasburicase</p>	C
351	COG	<p>4- Which of the following herbal medicines may cause oral carcinoma if chewed daily?</p> <p>A. Areca nut B. Clove buds C. Mentha leaf D. Saffron flower</p>	A
352	COG	<p>15- Which of the following herbal products can potentiate the effects of oral antidiabetic?</p> <p>A. Garlic B. Ginseng C. Green tea D. Echinacea</p>	B
353	COG	<p>36- Which of the following herbal medicines may cause oral carcinoma if chewed daily?</p> <p>A. areca nut B. clove buds C. menthe leaf D. saffron flower</p>	A
354	COG	<p>49- Which of the following plants has a sedative effect?</p> <p>A. Catha edulis (Khat) B. atropa belladonna C. pilocarpus jaborandi D. valeriana officinalis (valerian)</p>	D

355	COG	<p><b>83-</b>Sennoside B is an anthranoid derivative present in Senna leaves used as a treatment for constipation. It is characterized by O-glycosides linkage. Its potential activity arises from its aglycon form. Which of the following types of aglycon is the active metabolite Sennoside B ?</p> <ul style="list-style-type: none"> <li>A. dianthrone</li> <li>B. oxanthrone</li> <li>C. rheinanthrone</li> <li>D. anthraquinone</li> </ul>	D								
356	COG	<p><b>20-</b> click image to enlarge A spot of strychnine and brucine mixture (S+B) has been applied on TLC (Thin Layer Chromatography) plate together with their standards in order to identify each alkaloid. The TLC plate has been developed in jar using chloroform: methanol (9:1) as mobile phase (see image).</p>  <p>Which of the following is the retention factor (Rf) for strychnine and brucine, respectively?</p> <ul style="list-style-type: none"> <li>A. 0.36, 0.4</li> <li>B. 2.76, 2.35</li> <li>C. 3, 2.7</li> <li>D. 6.4, 6.7</li> </ul>	A								
357	COG	<p><b>37-</b> A patient was admitted to the hospital due to poisoning symptoms after ingesting an unknown herbal remedy from unknown source. The herbal drug has been submitted to the analytical lab for analysis. The laboratory phytochemical screening shows the following results:</p> <table border="1"> <tbody> <tr> <td>FeCl3</td> <td>+ ve</td> </tr> <tr> <td>Dragndrof's</td> <td>- ve</td> </tr> <tr> <td>saponin</td> <td>-ve</td> </tr> <tr> <td>Baljet test</td> <td>+++++ve</td> </tr> </tbody> </table> <p>Which of the following substances is the most likely main content of the unknown herb?</p> <ul style="list-style-type: none"> <li>A. Quinine</li> <li>B. Digitalis</li> <li>C. Morphine</li> <li>D. Belladonna</li> </ul>	FeCl3	+ ve	Dragndrof's	- ve	saponin	-ve	Baljet test	+++++ve	B
FeCl3	+ ve										
Dragndrof's	- ve										
saponin	-ve										
Baljet test	+++++ve										

358	COG	<p>45- Which dietary supplement can be suggested to overcome jetlag?</p> <p>A. Melatonin B. Echinacea C. Yohimbine D. S-adenosyl-L-methionine (SAMe)</p>	A
359	COG	<p>25- plant use in peripheral arterial disease?</p> <p>A- ginger b- ginkgo</p>	B
360	COG	<p>26- Which plant is 5HT3 activity</p> <p>A- ginger B- Gingseng C- Liquirice D- Black pepper</p>	A
361	COG	<p>31- plant Using for cough ?</p> <p>A- eucalyptus oil</p>	
362	COG	<p>68- alkaloid cause skeletal muscle relaxant</p> <p>A. ephedrine B. theophylline C. Curare</p> <p>Note: Skeletal muscle contraction (Ephedrine)</p>	C
363	COG	<p>226- What is the active ingredient in plant leaves ?</p> <p>A- chlorophyll</p>	
364	COG	<p>306- What is the benefit of grape seeds ?</p> <p>A- antioxidant <input checked="" type="checkbox"/></p>	
365	COG	<p>369- best way to collect volatile oil ?</p> <p>A- gas chromatography B- liquid chromatography</p>	A
366	COG	<p>371- FDA approved that it induces sleep ?</p> <p>A- Lavandula</p>	
367	COG	<p>399- Cough with viral infection and green sputum</p> <p>A. guaifenesin B. Dextromethorphan C. Codeine</p>	A
368	COM	<p>95- An order for amoxicillin 500 mg three times daily for 7 days is prescribed. The pharmacy only stocks amoxicillin 250 mg capsules. Which of the following is the number of capsules the pharmacist should dispense?</p> <p>A. 21 B. 42 C. 64 D. 80</p>	B

369	COMM	<p>160- A pharmacist showed a patient how to use injection by pictures ?</p> <ul style="list-style-type: none"> <li>A. Verbal</li> <li>B. Non verbal</li> <li>C. Physical</li> <li>D. Visual</li> </ul>	D
370	COMM	<p>361- which of the following situation allow for accepting verbal order ?</p> <ul style="list-style-type: none"> <li>A. in a code status</li> <li>B. to start chemotherapy</li> </ul>	A
371	COMP	<p><b>54-</b> Cleaning is a very important step when working with laminar flow hoods. Which of the following disinfectants is most suitable for cleaning the hood before compounding a sterile preparation?</p> <ul style="list-style-type: none"> <li>A. 70% Ethanol</li> <li>B. 90% Ethanol</li> <li>C. 70% isopropanol</li> <li>D. 90% isopropanol</li> </ul>	C
372	CONS	<p><b>16-</b> Itraconazole capsules require acidic pH optimal dissolution and absorption. Which of the following is an appropriate advice to optimize the oral absorption of the drug?</p> <ul style="list-style-type: none"> <li>A. take it with food</li> <li>B. take it on an empty stomach</li> <li>C. take it with full glass of water</li> <li>D. take it with a proton pump inhibitor</li> </ul>	A
373	CORT	<p>114- corticosteroids are given in sepsis for ?</p> <ul style="list-style-type: none"> <li>A. Mortality</li> <li>B. decrease pain scale</li> <li>C. decrease staying in ICU</li> <li>D. decrease need for fluids</li> </ul>	C
374	CORTI	<p>315- A 32-year-old female with an acute flare of her Crohn's disease. She was started on methylprednisolone 4 mg once daily. The medical team is now ready to transition her to hydrocortisone once daily. What is the equivalent daily dose ?</p> <p>Anonymous Poll</p> <p>A- 20mg B- 5 mg C- 8 mg D-10 mg</p>	A

375	CORTI	<p>316- 59-year-old male is currently taking prednisolone 10 mg. His physician would like to switch to an equivalent methylprednisolone dose. What is the correct dose ?</p> <p>Anonymous Poll</p> <p>A- 5 mg B- 8 mg C- 10 mg D- 20 mg</p>									
376	COUMP	<p><b>46- Medication order is given to the pharmacist (see table)</b></p> <table border="1"> <tr> <td>OLIVE OIL</td> <td>60ml</td> </tr> <tr> <td>VITAMIN A</td> <td>60.000 iu</td> </tr> <tr> <td>An emulsion (contain oil and water)</td> <td>120ml</td> </tr> <tr> <td>sig</td> <td>15ml tid</td> </tr> </table> <p>What is likely to be the final form of preparation?</p> <p>A. A solution B. A liniment C. An emulsion (contain oil and water) D. A suspension</p> <p>N.B:-An emulsion is a mixture of two or more liquids that are normally immiscible</p>	OLIVE OIL	60ml	VITAMIN A	60.000 iu	An emulsion (contain oil and water)	120ml	sig	15ml tid	B
OLIVE OIL	60ml										
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377	CUTI	<p><b>57- Which of the following is the basis of the biopharmaceutics classification system of drugs?</b></p> <p>A. permeability and solubility B. solubility and molecular weight C. solubility and partition coefficient D. permeability and molecular weight</p>	A								
378	CUTI	<p><b>71- Which of the following techniques will hinder tablet dissolution?</b></p> <p>A. adding surfactant agent B. use of drugs crystalline state C. micronization of drug powder D. increasing tablet compression</p>	D								
379	CUTI	<p><b>86- Which of the following is another name for a true solution?</b></p> <p>A. Heterogeneous mixture B. homogeneous mixture C. suspension D. colloid</p>	B								
380	CUTI	<p><b>93- Which of the following is the calculation of the apparent volume of distribution if the patient received 400 mg of intravenous medication that produced immediate blood concentration of 10 microgram/ml?</b></p> <p>A. 0.025 L B. 0.4 L C. 25 L D. 40 L</p>	D								

381	CUTI	<p>95- Which of the following is another term for the ability of a liquid to dissolve in another?</p> <ul style="list-style-type: none"> <li>A. solubility equilibrium</li> <li>B. solvation energy</li> <li>C. hydrophilicity</li> <li>D. miscibility</li> </ul>	D
382	CUTI	<p>100- Which of the following physicochemical characteristics of a drug decreases its transdermal penetration?</p> <ul style="list-style-type: none"> <li>A. nonionic form</li> <li>B. high melting point</li> <li>C. high concentration</li> <li>D. molecular weight below 500</li> </ul>	B
383	CUTI	<p>29- Which of the following is the main purpose of levigating a suspension during extemporaneous compounding?</p> <ul style="list-style-type: none"> <li>A. improve flowability</li> <li>B. reduce particle size</li> <li>C. reduce the zeta potential</li> <li>D. prevent microbial growth</li> </ul>	B
384	CUTI	<p>8- suspension character?</p> <ul style="list-style-type: none"> <li>A. Hydrophobic to prevent aggregation</li> <li>B. Hydrophilic to prevent aggregation (مشح)</li> <li>C. Hydrophobic to increase gastric empty</li> <li>D. hydrphilic to increase gastric empty</li> </ul>	A
385	CUTI	<p>16- vit c add as</p> <ul style="list-style-type: none"> <li>A- preservative</li> <li>B- coloring agent</li> <li>C- flavoring agent</li> </ul>	A
386	cuti	<p>21- Rate limiting step in oral dosage forms?</p> <ul style="list-style-type: none"> <li>A. diffusion</li> <li>B. disintegration</li> <li>C. dissolution</li> </ul>	C
387	CUTI	<p>93- which of the following is the ratio of mass to the volume of object determined at a specific temp?</p> <ul style="list-style-type: none"> <li>A. Specific Gravity</li> <li>B. Density</li> <li>C. Absolute Density</li> <li>D. Apparent Density</li> </ul>	C
388	CUTI	<p>112- bentonite is ?</p> <ul style="list-style-type: none"> <li>A. Preservative</li> <li>B. emulsifying agent</li> <li>C. suspending agent</li> <li>D. vehicle</li> </ul>	C

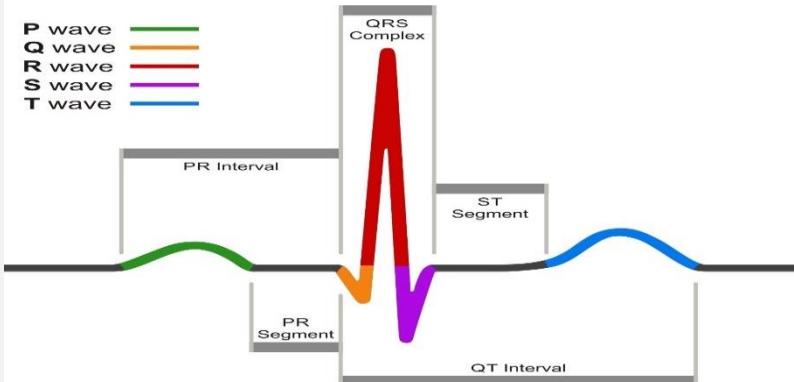
389	CUTI	<p>116- he ratio of the density of the substance or mass to the volume at a specified condition of temperature What is this ?</p> <p>A. Specific gravity B. Relative density C. Absolute density D. Something density</p>	C
390	CUTI	<p>187- Vagum IS ?</p> <p>A- Suspending agent B- Emulsifying agent</p>	A
391	CUTI	<p>293- Uniformity test applied to determine the content of the ingredient in tablets ?</p> <p>A- Bioequivalence B- Dissolution C- Purity D- Potency</p>	D
392	CUTI	<p>310- Expiry of Compounded syrup contain water is ?</p> <p>A- 7 days B- 9 days C- 14 days D- 1 month</p>	A
393	CUTI	<p>330- Role of boric acid in eye prescription ?</p> <p>A- Thinking B- Stable</p>	B
394	CUTI	<p>344- route of administration Highest bioavailability ?</p> <p>A. IM B. SC C. inhalation D. tablets</p>	C
395	CUTI	<p>373-Which of the following is a component added as a binder ?</p> <p>A. Lactose B. starch C. previnlphenyl</p>	B
396	cuti	<p><b>62-</b> Observing evidence of instability during compounding is an important step.</p> <p>Which of the following is happened should have discarded the product and not dispense it?</p> <p>A. Color intensity B. Weight Changing C. Size of the holder D. Chemical potency</p>	A
397	cuti	<p><b>62-</b> Which of the following is the ratio of the mass to the volume of object determined at a specified temperature?</p> <p>A. specific gravity B. relative density</p>	C

		C. absolute density D. apparent density	
398	cuti	35- Which routes of administration result in faster absorption?  A. oral B. rectal C. topical D. subcutaneous	B
399	CUTI	46- which of the following products is an oleaginous ointment base?  Oleaginous base consists of oil+fat  ex:-  1. Soft paraffin (Petroleum) 2. Polysorb 3. Aquabase 4. Anhydrous lanolin	A
400	CUTI	55- Which of the following is the benefit from adding a conjugate of polyethylene glycol (PEG) in some medications like Peg-interferon?  A. to extend the half-life of medications B. to extend the shelf-life of medications C. to enhance the effect of the medications D. to enhance the elimination of the medications	A
401	CUTI	62- Which of the following resources is best to use for common compounding techniques and ingredients?  A. Red book B. Drug facts and comparison C. Martindale: the complete drug reference D. Remington: the science and practice of pharmacy	D
402	CUTI	3) Which of the following is the most appropriate source for information on compounding medications?  A. Micromedex B. Orange book C. A drug information website D. United states pharmacopeia (USP)  <i>USP Compounding Compendium</i> <i>USP 795 : Non-sterile preparation</i> <i>USP 797 : Sterile preparation</i> <i>USP 800: Hazardous Drugs -Handling in healthcare</i>	D
403	cutic	133- Oleaginous base for ointment ? A - linoline B - White petroleum	B

404	CUTIC	<p><b>100-</b> Which of the following capsules sizes has the largest size suitable for human patient?</p> <p>A. no. 0 B. no. 1 C. no. 5 D. no. 000</p>	D
405	CUTIC	<p><b>71-</b> Which of the following is the term used to describe the pharmaceutical technique of grinding an insoluble substance to fine powder while wet ?</p> <p>A. Trituration B. Levigation C. Attrition D. Milling</p>	B
406	CUTIC	<p><b>23-</b> Sterile preparation is a very complex manufacturing procedure that requires attention to the ingredients added in it. Which of the following ingredients can be added when preparing a sterile drug?</p> <p>A. Antioxidants B. 2% Benzyl alcohol C. Bactericidal agents D. 1.9% Sodium Chloride</p>	A
407	CUTIC	<p><b>75-</b> Special techniques are required during compounding of emulsion. Which of the following techniques is used for compounding of emulsion?</p> <p>A. dry gum B. fusion mold C. compression D. heat technique</p>	A
408	CUTIC	<p><b>19-</b> Which of the following is the term used to describe the pharmaceutical technique of grinding an insoluble substance to fine powder while wet?</p> <p>A. trituration B. levigation C. attrition D. milling</p>	B
409	CUTIC	<p><b>3-</b> Which of the following pharmaceutical activities should follow the USP chapter 797 standards?</p> <p>A. Compounding ophthalmic preparations B. Compounding of sterile preparations C. Dispensing of non-hazardous preparation D. Compounding of extemporaneous preparations</p>	B
410	CUTIC	<p><b>203-</b> Boric acid in preparation ?</p> <p>A. puffer B. stabilizes C. preservative</p>	A

411	CUTIC	204- What dosage form should store at refrigerated even if it not opened ? A. eye drops B. oral solutions C. suppository D. tablets	C
412	CUTIC	211-Which of the following is the most practical method for sterilizing ophthalmic solution ? A- autoclaving for 15 minutes B- autoclaving for 30 minutes C- membrane filtration through 0.2-um filter D- membrane filtration through 5-um filter	C
413	CUTIC	213- Which product enhance powder flow while using automatic filling tablet machine ? A- Gelatin B- Cellulose C- Lubricant	C
414	CUTIC	247-preparation oil with water A- suspension B- emulsion	B
415	CUTIC	is a heterogeneous mixture in which the solute particles do not dissolve A- suspension B- emulsion	A
416	cutic	269-The easiest way to take ear drops ? A- foam B- solution C- suspension	B
417	CUTIC	326- why is there XL dosage form ? A. to cover the bitter taste of the tablet B. slow release C. to make easier to swallow D. sustained release or Extended Release  Note: known as SR, CR, XL. SR (Sustained Release) are those which sustain the release of drug for a specified time period	D
418	CUTIC	333- When adding PEG to a composite? A- increases clarity B- Does the size of the distribution increase أتوقع الخيارات ناقصة	<p style="text-align: right;"><i>Note</i></p> <p>1.increase extended half life 2.Surfactants 3.Suppositories base 4. Lubricant or Antidiadherent</p>

419	CUTIC	<p>372- what mixture of distributed solid in a liquid ?</p> <ul style="list-style-type: none"> <li>A. solution</li> <li>B. Suspension</li> <li>C. emulsion</li> </ul>	B																									
420	CUTICS	<p><b>1-A suspended agent is important for preparing an oral suspension. Which of the following is the characteristic of this suspending agent?</b></p> <ul style="list-style-type: none"> <li>A. Hydrophilic, to inhibit agglomeration</li> <li>B. Hydrophobic, to inhibit agglomeration</li> <li>C. Hydrophilic, to prolong gastric emptying time</li> <li>D. Hydrophobic, to prolong gastric emptying time</li> </ul> <p>N.B:- emulsifying agent is hydrophobic</p>	A																									
421	CUTICS	<p><b>13- What is the usual shelf life for reconstituted and refrigerated antibiotic suspension?</b></p> <ul style="list-style-type: none"> <li>A. 5 days</li> <li>B. 7 days</li> <li>C. 14 days</li> <li>D. 30 days</li> </ul>	C																									
422	CVS	<p><b>37- Which of the following drugs may decrease heart rate?</b></p> <ul style="list-style-type: none"> <li>A. Hydrochlorothiazide</li> <li>B. Isoproterenol</li> <li>C. Amlodipine</li> <li>D. Metoprolol</li> </ul>	D																									
423	CVS	<p><b>87- Which of the following is an indication for the use of streptokinase?</b></p> <ul style="list-style-type: none"> <li>A. tuberculosis</li> <li>B. neoplastic disorders</li> <li>C. myocardial infarction</li> <li>D. impaired fat absorption</li> </ul>	C																									
424	CVS	<p>The effects of four anti-hypertensive drug classes (A-D) on the Renin-angiotensin system are shown (see table)</p> <table border="1"> <thead> <tr> <th></th> <th>A</th> <th>B</th> <th>C</th> <th>D</th> </tr> </thead> <tbody> <tr> <td>Renin conc</td> <td>↓</td> <td>↑</td> <td>↑</td> <td>↑</td> </tr> <tr> <td>Angiotensin 1 conc</td> <td>↓</td> <td>↑</td> <td>↑</td> <td>↑</td> </tr> <tr> <td>Angiotensin 2 con</td> <td>↓</td> <td>↓</td> <td>↑</td> <td>↑</td> </tr> <tr> <td>Angiotensin Receptor</td> <td>----</td> <td>----</td> <td>↓</td> <td>----</td> </tr> </tbody> </table> <p>Which class is represented by the drug -C?</p> <ul style="list-style-type: none"> <li>A Diuretics (D)</li> <li>B Direct Renin inhibitors (A)</li> <li>C Angiotensin II receptor blockers (C)</li> <li>D Angiotensin converting enzyme inhibitor (B)</li> </ul>		A	B	C	D	Renin conc	↓	↑	↑	↑	Angiotensin 1 conc	↓	↑	↑	↑	Angiotensin 2 con	↓	↓	↑	↑	Angiotensin Receptor	----	----	↓	----	C
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Angiotensin Receptor	----	----	↓	----																								
425	CVS	<p><b>18) 69-year-old woman presented with complains of severe dry cough for a has week ,she has been recently prescribed hydrochlorothiazide and captopril for hypertension ,salbutamol and fexofenadine for allergic asthma</b></p>	A																									

		Which drug is the most likely reason of the patient's complaint?	
		A. Captopril B. Salbutamol C. Fexofenadine D. Hydrochlorothiazide	
426	CVS	24) Which of the following best describes the role of colipase in digestion of lipids? A. It breaks down triglycerides into absorbable free fatty acids B. It hydrolyzes cholesteryl esters into cholesterol and free fatty acids C. It acts as co-enzyme for the action of lipase in the presence of bile acids D. It plays an important role in the degradation and excretion of phospholipids	C
427	CVS	31) A 37-year-old mother breastfeeding her child has developed consistent high blood pressure. The physician consults the pharmacy to recommend an antihypertensive to control her blood pressure Which of the following anti-hypertensive is most hazardous for the child? A. Atenolol B. Verapamil C. Metoprolol D. Propranolol	A
		97- Which of the following electrocardiograph (ECG) represents atrial depolarization?	
428	CVS	 <p>The diagram shows a standard ECG tracing with the following labeled segments:</p> <ul style="list-style-type: none"> <li>P wave: Green line</li> <li>Q wave: Orange line</li> <li>R wave: Red line</li> <li>S wave: Purple line</li> <li>T wave: Blue line</li> </ul> <p>Other labeled segments include:</p> <ul style="list-style-type: none"> <li>PR Interval: The time from the end of the P wave to the start of the QRS complex.</li> <li>PR Segment: The flat part of the ECG between the end of the P wave and the start of the QRS complex.</li> <li>QRS Complex: The sharp, large deflection consisting of the Q, R, and S waves.</li> <li>ST Segment: The flat part of the ECG following the QRS complex.</li> <li>QT Interval: The time from the end of the QRS complex to the end of the T wave.</li> </ul>	A

429	CVS	Which of the following in electrocardiograph (ECG) represent absolute refractory period? A. P wave B. PR interval C. ST segment D. QRS complex	D
430	CVS	62- Which of the following medications is a class-IA antiarrhythmic agent? A. quinidine B. flecainide C. verapamil D. amiodarone	A
431	CVS	78) Which one of the following conditions is a contraindication for the use of enalapril? A) pregnancy B) hypertension C) diabetos mellitus D) congestive heart failure	A
432	CVS	82- which of the following is the best classification for Bisoprolol? A. beta 1 adrenergic receptor agonist B. beta 1 adrenergic receptor blocker C. alpha 1 adrenergic receptor blocker D. non-selective beta-adrenergic receptor blocker	B
433	CVS	88) Which of the following is the Vaughan Williams Classification for the antiarrhythmic drug procainamide? A) class IV B) class III C) class II D) class IA	D
434	CVS	91- Which medication can cause orthostatic hypotension? A) prazosin B) donepezil C) rivastigmine D) spironolactone	A
435	CVS	37) Which of the following can the pharmacological property of hydralazine be directly responsible for? A) Relaxation of cardiac muscle B) Blockade of dopamine receptor C) Relaxation of vascular smooth muscle D) Contraction of vascular smooth muscle	C
436	CVS	52) A 31-year-old hypertensive man was treated for addiction to amphetamine. He was also discharged on an antihypertensive drug. Later, he presented with severe depression. Which of the following medications was most likely prescribed? A) losartan B) captopril	C

		C) methyldopa D) hydrochlorothiazide																												
437	CVS	<p><b>54)</b> Which of the following is most likely the reason for using amlodipine in the treatment of hypertension?</p> <p>A) selective beta 1 blocker B) selective alpha 1 blocker C) calcium channel blocker D) selective serotonin reuptake inhibitor</p>	C																											
438	cvs	<p>7) A 90-year-old man with diabetes mellitus, hypertension and congestive heart failure presented to his cardiology clinic complaining of nausea, anorexia and visual changes. Current home medications include; metformin, aspirin, lisinopril, atorvastatin and digoxin. (See lab result) Which of the following most likely explains the patient symptoms?</p> <table border="1"> <thead> <tr> <th>Test</th><th>Result</th><th>Normal values</th></tr> </thead> <tbody> <tr> <td>Serum creatinine</td><td>250</td><td>44-115 µmol/L</td></tr> <tr> <td>Blood urea nitrogen</td><td>15</td><td>2.8-8.9 mmol/l</td></tr> <tr> <td>Sodium</td><td>140</td><td>134-146 mmol/l</td></tr> <tr> <td>Potassium</td><td>4</td><td>3.5-5.1 mmol/l</td></tr> <tr> <td>Chloride</td><td>100</td><td>97-108 mmol/l</td></tr> <tr> <td>Bicarbonate</td><td>23</td><td>21-28 mmol/l</td></tr> <tr> <td>calcium</td><td>2.5</td><td>2.15-2.62 mmol/l</td></tr> <tr> <td>Digoxin (men)</td><td>3</td><td>0.8-2 ng/l</td></tr> </tbody> </table> <p>A) digoxin-lisinopril interaction B) adverse drug reaction of atrovastatin C) congestive heart failure exacerbation D) high serum digoxin level due to renal impairment</p>	Test	Result	Normal values	Serum creatinine	250	44-115 µmol/L	Blood urea nitrogen	15	2.8-8.9 mmol/l	Sodium	140	134-146 mmol/l	Potassium	4	3.5-5.1 mmol/l	Chloride	100	97-108 mmol/l	Bicarbonate	23	21-28 mmol/l	calcium	2.5	2.15-2.62 mmol/l	Digoxin (men)	3	0.8-2 ng/l	D
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439	CVS	<p><b>9)</b> Which of the following of the hypertensive therapies is preferred to be used during the acute phase of ischemic stroke if elevated blood pressure should be treated?</p> <p>A) lisinopril B) nicardipine C) hydrochlorothiazide D) metoprolol succinate</p>	B																											
440	CVS	<p><b>(11)</b> Which of the following is the most appropriate time to draw a plasma blood sample for digoxin monitoring?</p> <p>A) 2 hours post-dose B) 4 hours post-dose C) 5 hours post-dose D) 6 hours post-dose</p>	D																											

441	CVS	<p><b>(13)</b> Which of the following parenteral anticoagulants require routine monitoring of coagulation lab parameters?</p> <p>A) UFH intravenously B) UFH subcutaneously C) enoxaparin subcutaneously D) fondaparinux subcutaneously</p>	A
442	CVS	<p><b>36</b>-year-old woman in her first trimester of pregnancy who is recently diagnosed with hypertension.</p> <p>Which of the following is the best and safest therapy?</p> <p>A. Aliskiren B. Captopril C. Valsartan D. Labetalol</p>	D
443	CVS	<p><b>(31)</b> Which of the following anti-arrhythmic drugs can be considered a rate control drug?</p> <p>A. sotalol B. flecainide C. amiodarone D. propafenone</p>	C
444	CVS	<p><b>(36)</b> A 45-year-old lady known case hypertension since one year on the following medications: Lisinopril 5 mg orally once daily. Amlodipine 10 mg orally once daily. She was doing well and her blood pressure was controlled. In the last follow up visit, she informed her treating physician that she is planning to get pregnant.</p> <p>Which of the following is the most important decision to be taken for this patient before becoming pregnant?</p> <p>A. add methyldopa B. discontinue lisinopril C. continue same treatment in pregnancy D. decrease lisinopril dose to 2.5 mg once daily</p>	B
445	CVS	<p><b>(44)</b> A 4-week infant is diagnosed with patent ductus arteriosus. The doctor wants to avoid performing surgery.</p> <p>Which drug will be administered to avoid a surgical closure?</p> <p>A. allopurinol B. indomethacin C. pseudoephedrine D. brompheniramine</p>	B
446	CVS	<p><b>(50)</b> Which of the following medications to be used under caution is in patients with ischemic heart disease?</p> <p>A. lisinopril B. celecoxib C. metoprolol D. simvastatin</p>	B

447	CVS	<p><b>57-</b> A 45-year-old patient with atrial fibrillation is treated with amiodarone 400 mg/day and rivaroxaban 20 mg/day with the evening meal. He has concern about his drugs routine monitoring. Which of the following would be the best recommended regarding amiodarone monitoring?</p> <ul style="list-style-type: none"> <li>A. Slit-lamp examination at baseline and annually</li> <li>B. Renal function tests at baseline and annually</li> <li>C. Cardiac enzymes at baseline and annually</li> <li>D. Liver function tests at baseline and every 6 months</li> </ul>	D
448	CVS	<p><b>63-</b> A 28-year-old woman presents with tachycardia and palpitations (ventricular ectopic beats). History revealed essential hypertension and asthma. Patient wants to conceive (mean become pregnant)</p> <p><i>BLOOD PRESSURE: 147/98mmHg</i></p> <p>What is the most likely alternative to the β-blocker in terms of efficacy on pressure, heart rate and relative safety?</p> <ul style="list-style-type: none"> <li>A. Prazosin</li> <li>B. Enalapril</li> <li>C. Diltiazem</li> <li>D. Methyldopa</li> </ul>	C
449	CVS	<p><b>66-</b> A 68-year-old woman with a history of type-2 diabetes and dyslipidemia is on atenolol and lisinopril. The doctor wants to start statin as her estimated 10-year ASCVD risk is 10%</p> <p>Which of the following would be the recommended statin in (mg)?</p> <ul style="list-style-type: none"> <li>A. Atorvastatin 10 (moderate intensity statin)</li> <li>B. Atorvastatin 40 (HIGH intensity statin)</li> <li>C. Simvastatin 10 (low intensity statin)</li> <li>D. Simvastatin 80</li> </ul>	B
450	CVS	<p><b>69-</b> A 60-year-old man presents with complain of chest pain twice weekly. History revealed, chronic stable angina with hypertension and is on atenolol 100 mg daily.</p> <p><i>BP: 147/93 mmHg</i></p> <p><i>HR : 65/min</i></p> <p>What is the best management?</p> <ul style="list-style-type: none"> <li>A. Add lisinopril 20 mg daily</li> <li>B. Add amlodipine 5 mg daily</li> <li>C. Diltiazem 30 mg every 8 hours</li> <li>D. Add isosorbide dinitrate 20 mg twice daily</li> </ul>	D
451	CVS	<p><b>74-</b> Which of the following drugs is contraindicated in heart failure?</p> <ul style="list-style-type: none"> <li>A. Captopril</li> <li>B. Celecoxib</li> <li>C. Furosemide</li> <li>D. Amiodarone</li> </ul>	B
452	CVS	<p><b>80-</b> A 76-year-old cardiac male patient was transferred to the hospital for palpitation with a heart rate of 177 bpm. He is a heavy smoker and his past medical history includes hypertension,</p>	C

		<p>hyperlipidemia and coronary artery disease. His medications include aspirin, clopidogrel, carvedilol, valsartan and atorvastatin. He was diagnosed as having fibrillation</p> <p>Which of the following is the CHA2DS2-VASC score for this patient?</p> <ul style="list-style-type: none"> <li>A. 1</li> <li>B. 3</li> <li>C. 4</li> <li>D. 6</li> </ul>	
453	CVS	<p>84- Which of the following beta-blockers is indicated for use in heart failure patients?</p> <ul style="list-style-type: none"> <li>A. Esmolol</li> <li>B. Atenolol</li> <li>C. Labetalol</li> <li>D. Carvedilol</li> </ul>	D
454	CVS	<p>(19) Which of the following drugs lower esophagus sphincter pressure and delay gastric emptying time?</p> <ul style="list-style-type: none"> <li>A. Lisinopril</li> <li>B. amoxicillin</li> <li>C. amlodipine</li> <li>D. calcium carbonate</li> </ul>	C
455	CVS	<p>61- Which of the following medication should be prescribed to the patients with angina to treat an acute attack?</p> <ul style="list-style-type: none"> <li>A. Ranolazine</li> <li>B. Nitroglycerin skin patch</li> <li>C. Isosorbide dinitrate SR capsules</li> <li>D. Nitroglycerin sublingual tablets</li> </ul>	D
456	CVS	<p>68- Which of the following antihypertensive agents is most likely to cause peripheral edema?</p> <ul style="list-style-type: none"> <li>A. Atenolol</li> <li>B. Perindopril</li> <li>C. Amlodipine</li> <li>D. Candesartan</li> </ul>	C
457	CVS	<p>70- Which of the following conditions is a contraindication for the use of celecoxib?</p> <ul style="list-style-type: none"> <li>A. Ischemic heart disease</li> <li>B. Renal failure</li> <li>C. Diabetes</li> <li>D. Asthma</li> </ul>	A
458	CVS	<p>74- Which of the following medications is a class-IC antiarrhythmic agent?</p> <ul style="list-style-type: none"> <li>A. Quinidine</li> <li>B. Flecainide</li> <li>C. Verapamil</li> <li>D. Amiodarone</li> </ul>	B

459	CVS	<p><b>88- Which of the following is an indication for the use of indapamide?</b></p> <ul style="list-style-type: none"> <li>A. Angina pectoris</li> <li>B. Cardiac dysrhythmias</li> <li>C. Essential hypertension</li> <li>D. Acute myocardial infarction</li> </ul>	C
460	CVS	<p><b>98- Which of the following calcium channel blockers is a non- dihydropyridine drug?</b></p> <ul style="list-style-type: none"> <li>A. Nicardipine</li> <li>B. Amlodipine</li> <li>C. Nifedipine</li> <li>D. Diltiazem</li> </ul>	D
461	CVS	<p><b>12- Which of the following drugs when given with verapamil can result in a major drug interaction?</b></p> <ul style="list-style-type: none"> <li>A. Digoxin</li> <li>B. Sulindac</li> <li>C. Naproxen</li> <li>D. Piroxicam</li> </ul>	A
462	CVS	<p><b>53- Which of the following is the pharmacological property of atenolol?</b></p> <ul style="list-style-type: none"> <li>A. nonselective beta-blocker</li> <li>B. cardioselective beta 1-blocker</li> <li>C. cardioselective beta 2-blocker</li> <li>D. cardioselective beta 1-agonist</li> </ul>	B
463	CVS	<p><b>56- What is the pharmacological property of cardiac glycosides?</b></p> <ul style="list-style-type: none"> <li>A. alpha 1 blocker</li> <li>B. potent bronchodilator</li> <li>C. positive inotropic effect</li> <li>D. negative inotropic effect</li> </ul>	C
464	CVS	<p><b>60- Which of the following is the reason of using verapamil as an antiarrhythmic drug?</b></p> <ul style="list-style-type: none"> <li>A. it suppresses phase four depolarization</li> <li>B. it stimulates the breakdown of adrenaline</li> <li>C. it inhibits slow inward current of phase two of action potential</li> <li>D. it increases the excitability of pyramidal neurons in the amygdala</li> </ul>	C
465	CVS	<p><b>88- Which of the following is the best classification for Bisoprolol?</b></p> <ul style="list-style-type: none"> <li>A. beta 1 adrenergic receptor agonist</li> <li>B. beta 1 adrenergic receptor blocker</li> <li>C. alpha 1 adrenergic receptor blocker</li> <li>D. non-selective beta-adrenergic receptor blocker</li> </ul>	B
466	CVS	<p><b>90- Which of the following is a pharmacological action of dopamine?</b></p> <ul style="list-style-type: none"> <li>A. elevation of blood pressure</li> <li>B. paralysis of skeletal muscle</li> <li>C. stimulation of gastric secretion</li> <li>D. activation of cardiac contraction</li> </ul>	D

467	CVS	<p><b>6- Which of the following medications is a class-IV antiarrhythmic agent?</b></p> <ul style="list-style-type: none"> <li>A. quinidine</li> <li>B. flecainide</li> <li>C. verapamil</li> <li>D. amiodarone</li> </ul>	C
468	CVS	<p><b>11- Which of the following antihypertensive agents is most likely to cause peripheral edema?</b></p> <ul style="list-style-type: none"> <li>A. atenolol</li> <li>B. perindopril</li> <li>C. amlodipine</li> <li>D. candesartan</li> </ul>	C
469	CVS	<p><b>43. Which of the following mechanisms of actions most appropriately describes nifedipine?</b></p> <ul style="list-style-type: none"> <li>A. selective beta blocker</li> <li>B. calcium channel blocker</li> <li>C. non-selective beta blocker</li> <li>D. angiotensin converting enzyme inhibitor</li> </ul>	B
470	CVS	<p><b>59-A 47-year-old man is admitted to hospital with atrial arrhythmia and is prescribed amiodarone.</b></p> <p><b>Which of the following is the most likely side effect to be monitored?</b></p> <ul style="list-style-type: none"> <li>A. ptosis</li> <li>B. tinnitus</li> <li>C. pulmonary toxicity</li> <li>D. pseudomembranous enterocolitis</li> </ul>	C
471	CVS	<p><b>67- Which one of the following conditions is a contraindication for the use of angiotensin-converting enzyme inhibitors?</b></p> <ul style="list-style-type: none"> <li>A. hypertension</li> <li>B. diabetes melitus</li> <li>C. idiopathic angioedema</li> <li>D. congestive heart failure</li> </ul>	C
472	CVS	<p><b>72- Which of the following is a centrally acting alpha-2 (<math>\alpha_2</math>) adrenergic agonist?</b></p> <ul style="list-style-type: none"> <li>A. enalapril</li> <li>B. labetalol</li> <li>C. clonidine</li> <li>D. nifedipine</li> </ul>	C
473	CVS	<p><b>26- Which of the following antihypertensive agents is most likely to cause peripheral edema?</b></p> <ul style="list-style-type: none"> <li>A. Atenolol</li> <li>B. Perindopril</li> <li>C. Amlodipine</li> <li>D. Candesartan</li> </ul>	C
474	CVS	<p><b>28-A 47-year-old man is admitted to hospital with atrial arrhythmia and is prescribed amiodarone.</b></p> <p><b>Which of the following is the most likely side effects to be monitored?</b></p>	C

		<p>A. Ptosis B. Tinnitus C. Pulmonary toxicity D. Pseudomembranous enter colitis</p>	
475	CVS	<p><b>29- Which of the following is a benefit of using dopamine in the treatment of cardiogenic shock?</b></p> <p>A. It selectively constricts renal and mesenteric beds B. It increases the force of myocardial contraction C. It lacks of peripheral vasoconstriction effect D. It decreases cardiac output</p>	B
476	CVS	<p><b>38- A 75-year-old women with congestive heart failure is prescribed digoxin to improve cardiac muscle contractility. She has a marked improvement in her symptoms. What cellular action of digoxin is responsible for its pharmacological action?</b></p> <p>A. Inhibition of cAMP synthesis B. Inhibition of Na<sup>+</sup>/K<sup>+</sup> ATPase enzyme C. Inhibition of B adrenergic stimulation D. Inhibition of mitochondrial calcium release</p>	B
477	CVS	<p><b>41- What is the main advantage of losartan over Lisinopril?</b></p> <p>A. Less hyperkalemia B. Safe during pregnancy C. Less induction of cough D. Higher oral bioavailability</p>	C
478	CVS	<p><b>75- Which of the following is a selective α1 blocker?</b></p> <p>A. labetalol B. terazosin C. clonidine D. captopril</p>	B
479	CVS	<p>41- Case: patient has hypertension and Benign prostatic hyperplasia takes Lisinopril, prazosin another antihypertensive drug but still uncontrol He is having side effect Orthostatic hypotension? A- Add finasteride B- Stop prazosin C- Discontinue prazosin and change to Alfuzosin</p>	C
480	CVS	<p>78- patient has hypertension and Benign prostatic hyperplasia take Lisinopril , prazosin another antihypertensive drug but still uncontroll He is have side effect Orthostatic hypotension A-Add finasteride B- Stop prazosin C- Discontinue prazosin and change to Alfuzosin</p>	C

481	CVS	<p>91- elderly complaining of urine incontinence And many drugs he use for htn . dm and so on His doctor write him prazosin for his problem but he syncope and asked for alternative?</p> <ul style="list-style-type: none"> <li>A. Beta blocker</li> <li>B. Diltiazem</li> <li>C. Alfuzosin</li> <li>D. Decrease Dose Of Prazosin</li> </ul>	C
482	CVS	<p>130- How much the heart pump a liter of blood per minute?</p> <ul style="list-style-type: none"> <li>A. 0.5 Liters</li> <li>B. 5 litres</li> <li>C. 50 liters</li> </ul>	B
483	CVS	<p>140- A common form of SVT in teenagers is?</p> <ul style="list-style-type: none"> <li>A. Atrial ectopic tachycardia</li> <li>B. Atrial flutter</li> <li>C. Junctional ectopic tachycardia</li> <li>D. AVNRT</li> </ul>	D
484	CVS	<p>161- which drugs used for VA and SVA</p> <p>A- procainamide B- sotalol C- dofetilide D- Flecainide or propafenone</p>	D
485	CVS	<p>167- Responsible for generate impulse ?</p> <ul style="list-style-type: none"> <li>A. SA node (also known sinuatrial node)</li> <li>B. AV node</li> <li>C. purkinge fibers</li> </ul>	A
486	CVS	<p>175- anti arrhythmia patient with anti-arrhythmic test Hight TSH Low T3 ?</p> <p>A- phenytoin B- digoxin D- amiodarone</p>	D
487	CVS	<p>179- Pt on amlodipine and has HTN Did CBC and found hyperproteinemia what to give ?</p> <ul style="list-style-type: none"> <li>A. ACEI</li> <li>B. Alpha blocker</li> <li>C. CCB</li> </ul>	A
488	CVS	<p>229- 76- year-old cardiac male patient was transferred to the hospital for palpitation with a heart rate of 177 bpm. He is a heavy smoker and his past medical history includes hypertension, hyperlipidemia and coronary artery disease. His medications include aspirin, clopidogrel, carvedilol, valsartan and atorvastatin. He was diagnosed as having atrial fibrillation. Which of the following is the CHA2DS2-VASc score for this patient?</p> <p>A- 1 B- 3 C- 4 D- 6</p>	C

489	CVS	230- Case patient has difficulty in voiding and he is already on oxybutynin and Lisinopril what to add ? A- Prazocin B- Sildenafil C- Alfuzosin D - Doxazosin	C
490	CVS	237-which of the following is an angiotensin converting enzyme inhibitor ? <b>A. enalapril</b> B. timolol C. doxazosin D. albuterol	A
491	CVS	256- Aspirin with inflammatory dose in myocardial infarction A- anticipated harmful (ارش) B- Anticipated beneficial C- Un anticipated harmful D- Un anticipated beneficial	D
492	CVS	272- Acute Heart failure Patient with shortness of breath(SOB) and peripheral edema, which forrester classification? A- dry and cold B- wet and cold C- dry and warm D- wet and warm Stage I : cold &dry Stage II : cold & wet	D
493	CVS	273- which of following is a vasopressor that is given in a fixed dose without titration for patients with Septic shock ? A- dopamine B- vasopressin C- epinephrine D- norepinephrine #Note :Norepinephrine with titration	B
494	CVS	283- septic shock patient unresponsive to Fluid what will you Give ? A- vasopressin <b>B- dopamine</b> <b>C- norepinephrine</b>	B
495	CVS	294- diagnosis of STEMI ? A- elevated ST segment with increased troponin B- elevated ST segment with increased bnp C- elevated ST segment with increased CK	A

496	CVS	<p>304- Patient has allergic rhinitis doctor prescribe pseudoephedrine you found that he has history of hypertension what to do ?</p> <ul style="list-style-type: none"> <li>A. Don't dispense the prescription</li> <li>B. use pseudoephedrine with caution if controlled hypertension</li> <li>C. use pseudoephedrine with caution if not controlled hypertension</li> </ul>	B
497	CVS	<p>321-Patient taken lisinopril and many other medication (He has HTN,Dm ,dyslipidemia )with mode BPH prescribe prazosin 1mg then he develops orthostatic hypotension and what the best you will be ?</p> <ul style="list-style-type: none"> <li>A. D/C lisinopril</li> <li>B. D/C prazosin</li> <li>C. D/C prazosin and give alfuzosin</li> <li>D. start finasterid</li> </ul>	C
498	CVS	<p>341- What heart rate(at rest)for patient use metoprolol and have atrial fibrillation ?</p> <p>A- 60 beat/min B- 90 beat/min C- 120 beat/min D- 200 beat / min</p>	A
499	CVS	<p>354- what is the main advantage of losartan over lisinopril ?</p> <ul style="list-style-type: none"> <li>A. less induction of cough</li> <li>B. higher oral bioavailability</li> </ul>	A
500	CVS	<p>377- Duration of treatment for Aspirin in CV pt ?</p> <ul style="list-style-type: none"> <li>A. 1 years</li> <li>B. 2 years</li> <li>C. 3 years</li> <li>D. 5 years</li> </ul>	D
501	CVS	<p>378- blood pressure in neonate ?</p> <ul style="list-style-type: none"> <li>A. same adult</li> <li>B. Higher than adult</li> <li>C. Lower than adult</li> </ul>	C
502	CVS	<p>387- A patient with angina and MI who takes ACEI and many other medicines. What should we give for high blood pressure?</p> <ul style="list-style-type: none"> <li>A. spironolactone</li> <li>B. carvedilol</li> <li>C. diltiazem</li> <li>D. ARBs</li> </ul>	B
503	CVS	<p>396-Which of the following cause digoxin toxicity</p> <ul style="list-style-type: none"> <li>A. Hypomagnesemia</li> <li>B. Hypercalcemia</li> <li>C. Hypophosphate</li> </ul>	A

504	CVS	400- Pt with Hypotension with high heart rate give him A. Hypertonic Nacl B. RL C. Albumin	B
505	CVS	402- Patient female with food poisoning and went to hospital with troponin high NSTMI what is the management A. aspirin 81 mg + ticagrelor ( <i>MINTINANCE DOSE ) + (TIC 90 BID ONE YEAR</i> ) B. Aspirin 325 mg + ticagrelor ( <i>INITIAL DOSE )+(TIC 1600D</i> ) C. Aspirin 81 mg +Prasugrel D. Aspirin 325 mg + prasugrel	B
506	DUR	4- Pt. On furosemide 40 iv change to oral? (2mg po =1 mg iv)	
507	DURI	65- - Which of the following is a loop diuretic? A. Furosemide B. Acetazolamide C. Spironolactone D. Hydrochlorothiazide	A
508	DURI	81- Which of the following is a potential side effect of chlorothiazide? A. Hyperkalemia B. Hypocalcemia C. Hypouricemia D. Hypokalemia	D
509	DURI	7. A man patient is placed on a new medication to control his elevated BP. After one month he noted that his breasts have become enlarged and tender. Which of the following medication is the most properly prescribed? A. acetazolamide B. chlorthalidone C. spironolactone D. hydrochlorothiazide	C
510	DURI	27. Which of the following diuretics is an aldosterone antagonist? A. furosemide B. acetarolamide C. spironalactone D. hydrochlorothiazide	C
511	DURI	Which drug from loop Diuretic drug safe in patient with sulpha allergy ? A- Ethacrynic acid	A
512	DURIT	36- Which of the following is a loop diuretic? A. Furosemide B. Acetazolamide C. Spironolactone D. Hydrochlorothiazide	A

513	DURIT	<p><b>51- Which of the following medications is an osmotic diuretic?</b></p> <ul style="list-style-type: none"> <li>A. mannitol</li> <li>B. furosemide</li> <li>C. spironolactone</li> <li>D. hydrochlorothiazide</li> </ul>	A
514	DURIT	<p><b>72- A 75-year-old man with NYHA-IV heart failure has been started on furosemide 120 mg intravenous infusion to improve pulmonary edema. Which of the following is the recommended duration time for furosemide infusion?</b></p> <ul style="list-style-type: none"> <li>A. 10 minutes</li> <li>B. 20 minutes</li> <li>C. 30 minutes</li> <li>D. 40 minutes</li> </ul>	C
515	DURIT	<p>90- Case of a Patient taking some drugs and he got hyperkaliemia which one of these drug causes that?  A - Theophylline  B- Spironolactone  C- Gentamicin</p>	B
516	ECO	<p><b>Which of the following pharmacoeconomic studies is the simplest because the outcomes are assumed to be equivalent and only the costs of intervention are compared ?</b></p> <ul style="list-style-type: none"> <li>A. Cost-utility analysis</li> <li>B. Cost-benefit analysis</li> <li>C. Cost-minimization analysis</li> </ul>	C
517	ECO	<p><b>28) Which of the following pharmacoeconomic studies is the simple conducted?</b></p> <ul style="list-style-type: none"> <li>A) Cost-Utility Analysis</li> <li>B) Cost-Benefit Analysis</li> <li>C) Cost-Minimization Analysis</li> <li>D) Cost-Effectiveness Analysis</li> </ul>	C
518	ECO	<p><b>38) What is the type of costs for traveling from Jeddah to Riyadh to health care from pharmacoeconomic perspective?</b></p> <ul style="list-style-type: none"> <li>A) Indirect</li> <li>B) Intangible</li> <li>C) Direct -non medical</li> <li>D) Non-direct medical</li> </ul>	C
519	ECO	<p><b>45- What kind of outcomes can be determined by cost-minimization?</b></p> <ul style="list-style-type: none"> <li>A) Monetary units (e.g., dollars)</li> <li>B) Quality- adjusted life-years (QALYS)</li> <li>C) Natural units (e.g., Life-years saved)</li> <li>D) Comparing the cost of two identical products (e.g. generic brand)</li> </ul>	D
520	ECO	<p><b>46- Which of the following statements provides the best described incremental cost-effectiveness ratio?</b></p> <ul style="list-style-type: none"> <li>A) The cost per extra benefit of a new strategy, independent</li> </ul>	B

		<p>B) The extra cost to obtain an extra benefit when switching alternative to another C) The cost per quality-adjusted life year gained D) A summary measurement of efficiency</p>	
521	ECO	<p>68) A pharmacist working in inpatient pharmacy received a request from the therapeutic (P&amp;T) committee to evaluate a drug included in the hospital formulary. The request wants to have the value in a monetary value (dollar value)</p> <p>Which of the following pharmacoeconomics tools will the pharmacy use to answer the request?</p> <p>A) Cost-utility analysis B) Cost-benefit analysis C) Cost-minimization analysis D) Cost-effectiveness analysis</p>	B
522	ECO	<p>84- In pharmacoeconomics and outcomes research, QALYs are used as utilities. QALY is the quality-adjusted life year.</p> <p>Which of the following is an interpretation of an individual with?</p> <p>A) Death B) Coma C) Illness D) Perfect health</p>	D
523	ECO	<p>6- case about one using two drugs of cancer . one with less side effect to choose.what is cost ?</p> <p>A. Cost-Effectiveness B. Cost-Minimization C. Case Study D. Cohort Study</p>	A
524	ECO	<p>89- case about one using two drugs of cancer one with less side effect to choose what is cost ?</p> <p>A. Cost-Effectiveness B. Cost-Minimization C. Case Study D. Cohort Study</p>	A
525	ECO	<p>391- Question How to prepare a budget for the new year ?</p> <p>A. Close stock + open stock + seller products B. Open stock-close stock + Seller product</p>	B
526	ECO	<p>29) Which of the following perspectives incorporates all the costs and regardless of who incurs or obtains them?</p> <p>A) Patient B) Hospital C) Societal D) Ministry of Health</p>	C
527	ECO	<p>12- Which of the following studies represent a cost-effectiveness study?</p> <p>A) Comparing costs for 2 therapeutically equivalent products B) Comparing costs and savings of a pharmacokinetic service diabetes clinic C) Comparing patients achieving control as the outcome for 2 antihyperglycemic drugs</p>	C

		<b>D) Comparison of costs of 2 chemotherapy regimens with the using best supportive care</b>	
528	END	<p><b>87-</b> A 34-year-old woman who is still experiencing symptoms of hyperthyroidism despite treatment with carbimazole.</p> <p>Which medication can be added to provide additional symptomatic relief?</p> <p>A. Lisinopril B. Ibuprofen C. Propranolol D. Prednisolone</p>	C
529	endo	<p><b>Which of following play a role in calcium homeostasis?</b></p> <p>A)1,25-dihydrocycholecalciferol and calcitonin B)1,25-dihydrocycholecalciferol and insulin C)Parathyroid hormone and glucagon D) Insulin and lipase</p>	A
530	ENDO	<p><b>(8) Which of the following is the timeline when symptoms start to occur in type- 1 diabetes mellitus?</b></p> <p>A) as early when destruction of the islets of Langerhans of the pancreas is starting B) when 50% of the islets of Langerhans of the pancreas are destroyed C) when 70% of the islets of Langerhans of the pancreas are destroyed D) when destruction of the islets of Langerhans of the pancreas is complete</p>	C
531	ENDO	<p><b>(10) Which of the following conditions use " the plate method" as lifestyle modification?</b></p> <p>A) asthma B) dyslipidemia C) hypertension D) diabetes mellitus</p>	D
532	ENDO	<p><b>(18) Which of the following conditions use the plate method as a lifestyle modification?</b></p> <p>A) hypertension B) thyroid disorder C) diabetes mellitus D) myocardial infraction</p>	C
533	ENDO	<p><b>16- Which of the following describe glucose uptake and usage by as compared to other tissues of the body?</b></p> <p>A) Brain cell can uptake and use glucose only in the presence B) Brain cells can uptake and use glucose without being stimul insulin C) Brain cells can uptake and use glucose when glucose is abol 100 mg/dL in the blood D) Brain cells can uptake and use glucose when the insulin is at high level in the body</p>	B
534	ENDO	<p><b>9- which of the following group of drugs can prevent the progression of micro- albuminuria to macro-albuminuria in patients with diabetic mellitus</b></p> <p>A. Angiotensin-converting enzyme inhibitors B. B-blockers</p>	A

		C. Diuretics D. Digitalis										
535	ENDO	<p><b>14-</b>A 65-year-old man was diagnosed with type 2 diabetes five year ago, maintained on metformin</p> <p>Which of the following need to be monitored?</p> <p>A. Vitamin c level B. Vitamin D level C. Vitamin B1 level D. Vitamin B12 level</p>	D									
536	endo	<p><b>15-</b> which of the following insulins has the longest duration of action?</p> <p>A. Aspart B. Detemir C. Glargine D. Degludec (42hr)</p>	D									
537	Endo	<p><b>20-</b>A 33-year-old woman who presents with complains of fatigue weight gain. She is planning to become pregnant. She reported that she starts taking multivitamin and supplements her current medication is levothyroxine 100 mcg daily (see lab result).</p> <table border="1"> <thead> <tr> <th>TEST</th><th>RESULTE</th><th>NORMAL VALUE</th></tr> </thead> <tbody> <tr> <td>TSH (thyroid stimulating harmon)</td><td>6</td><td>0.4 – 5.0 u/ml</td></tr> <tr> <td>Thyroxine (T4 free serum)</td><td>9</td><td>8.5-15.2 pmol</td></tr> </tbody> </table> <p>Which of the following is the dosage recommendations in (mcg) to take it daily for thyroid medication when she became pregnant?</p> <p>A. levothyroxine-50 B. levothyroxine-75 C. levothyroxine-100 D. levothyroxine-125</p>	TEST	RESULTE	NORMAL VALUE	TSH (thyroid stimulating harmon)	6	0.4 – 5.0 u/ml	Thyroxine (T4 free serum)	9	8.5-15.2 pmol	D
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TSH (thyroid stimulating harmon)	6	0.4 – 5.0 u/ml										
Thyroxine (T4 free serum)	9	8.5-15.2 pmol										
538	ENDO	<p><b>59-</b> A patient with DM type 2, with uncontrolled (high) blood glucose for years. The patient complains of burning and stabbing pain in his extremities started for years. Which of the following types of pain this patient is experiencing?</p> <p>A. Acute pain B. Costochondritis C. Neuropathic pain D. inflammatory pain</p>	C									
539	endo	<p><b>97-</b> A 50-year-old Saudi woman with hypertension and dyslipidemia. She presented today to her follow up visit with family medicine clinic. Her sister has a type 1 diabetes mellitus. No alcohol or cigarette use is reported. She is physically active for 2 minutes a week.</p> <ul style="list-style-type: none"> <li>• <i>WEIGHT 51Kg</i></li> <li>• <i>height 160cm</i></li> </ul> <p>Which of the following is a risk factor for developing diabetes type 2 in this patient?</p> <p>A. Age</p>	D									

		B. BMI C. Gender D. Family History	
540	ENDO	6- Which of the following is the mechanism of action of liraglutide?  A. Dipeptidyl peptidase 4 inhibitor B. Glucagon like peptide-1receptor agonist C. Sodium /glucose co-transporter 2 inhibitor D. Activate peroxisome proliferator-activated receptor	B
541	ENDO	53- Which of the following describes the mechanism of action of sitagliptin?  A. Inhibit alpha glucosidase enzyme B. Inhibit dipeptidyl peptidase 4 enzyme C. Activate peroxisome proliferator- activated receptors D. Closes ATP- dependent potassium channels in the B-cells	B
542	ENDO	58- Which anti-hyperthyroidism drug could cause agranulocytosis?  A. Xylocaine B. Metoprolol C. Sodium Iodide D. Propylthiouracil	D
543	ENDO	87- Which anti-hyperthyroidism drug could cause agranulocytosis?  A. Xylocaine B. Metoprolol C. Sodium iodide D. Propylthiouracil	D
544	ENDO	10- Preventing Diabetic Foot Ulcers?  A. Proper Footwear B. Daily Foot Inspection C. monitor blood sugar level D. Weight Losses	B
545	ENDO	111- DM patient on insulin but he is not taking his dose, his HbA1c is 12%, he refuses taking insulin right dose bc of weight gain what do you do as a pharmacist?  A. Refer to physician to decrease his insulin dose B. decrease his doses C. try to change his beliefs on insulin D. tell him it's ok to not take his dose	C
546	ENDO	Which of the following to be used with caution in renal failure  A. Glipizide B. Rosiglitazone C. Sitagliptin D. Linagliptin	C

547	ENDO	159-One of Hyperthyroidism A. Weight gain B. Sensitivity to cold C. Nervousness D. Depression	C
548	ENDO	195-medication given for hyperthyroidism causes permanent decline in thyroid hormones ? <b>A.</b> PTU <b>B.</b> methimazole <b>C.</b> RAI radio active iodine	C
549	ENDO	215- to decrease side effects of metformin on GI? <b>A.</b> Divide doses <b>B.</b> take dose after two hours of eating <b>C.</b> take it with antihistamine <b>D.</b> take it with PPI	A
550	ENDO	240- longest duration of action ? <b>A.</b> Degludec <b>B.</b> Glargin <b>C.</b> Aspart <b>D.</b> NPH	A
551	ENDO	245- case about a diabetic patient type 2 he takes metformin but his blood sugar is so high and uncontrolled and hb1ac was very high .. what to take? A- insulin glargin + insulin asprt B- insulin glargin + glyburide (ارشح)	A?
552	ENDO	274- Main features of graves' disease include: <b>A.</b> diffuse goiter <b>B.</b> thyroid eye disease <b>C.</b> pretibial myxoedema <b>D.</b> thyroid acropathy	B
553	ENDO	291- DM 1 patient, give what ? A- Sulfonylurea B- GLP1 (liraglutide) C- DDP D- Pioglitazone	B
554	ENDO	296- Case... Hyperthyroidism ?? A- Elevated TSH, increased T4 B- Increased T4, elevated TSH C- Elevated TSH, decreased T4 D- Elevated T4, decreased TSH	D

555	ENDO	<p>325- 49-A 48 woman suffers from fatigue, weakness and polyuria and lab tests proved that she is diabetic A Doctor prescribed her 850 mg metformin twice a day and so blood sugar become normal but after sometime she did another lab tests and the result was hemoglobinated sugar increased by 1% than the last result what will you advise her ?</p> <ul style="list-style-type: none"> <li>A. increase metformin dose</li> <li>B. decrease metformin dose</li> <li>C. do nothing</li> <li>D. shifting to another type insulin</li> </ul>	A
556	ENDO	<p>337- Which of the following is not a secondary cause of dyslipidemia ?</p> <ul style="list-style-type: none"> <li>A. Hypothyroidism</li> <li>B. Hyperthyroidism</li> <li>C. Diabetes</li> <li>D. Protease inhibit</li> </ul>	B
557	ENDO	<p>339- Why is propylthiouracil (PTU) the antithyroid therapy of choice in pregnant patients with Graves disease ?</p> <ul style="list-style-type: none"> <li>A. It is less hepatotoxic than methimazole (MMI)</li> <li>B. It may be less teratogenic than MMI</li> <li>C. It has less risk of causing fetal hypothyroidism than MMI</li> <li>D. It causes less agranulocytosis in these patients than MMI</li> <li>E. A and C</li> </ul> <p style="text-align: right;">... check RxPrep فیہ تفاصیل کثیر</p> <p style="text-align: center;">PTU : preferred in 1<sup>st</sup> trimester MMI: preferred in 2<sup>nd</sup> -3<sup>rd</sup> trimester</p>	B
558	ENDO	<p>340- Untreated hyperthyroidism in the elderly can result in ?</p> <ul style="list-style-type: none"> <li>A. Mania</li> <li>B. Atrial fibrillation</li> <li>C. Deafness</li> <li>D. Hirsutism</li> </ul>	B
559	ENDO	<p>395- Pt with hypertension, Heart failure, DM what is the first line after metformin</p> <ul style="list-style-type: none"> <li>A. pioglitazone</li> <li>B. Gliclazide</li> <li>C. Empagliflozin</li> <li>D. Insulin</li> </ul>	C
560	ENDO	<p>421- Patient on TPN and nothing by oral (NOP) and A1C blood glucose is 11 Which drug add to this patient p ?</p> <ul style="list-style-type: none"> <li>A. Gliclazide</li> <li>B. NPH insulin</li> <li>C. Glargin</li> <li>D. Regular insulin</li> </ul>	D
561	endo	<p>424- Best antipsychotic drug for diabetic patient</p> <ul style="list-style-type: none"> <li>A. Clozapine</li> <li>B. Aripiprazole</li> <li>C. quetiapine</li> </ul>	B

562	ENDO	288- pt DM2 symptoms ..whent to lose weight..HTN ,heart failure ..do life style change and excires drug choice for DM 2 ? A- Insulin B- liraglutide C- metformin D- Glypuride	C MAY BE B
563	ENDOCRA	2) Which of the following lab results support a diagnosis of primary hyperthyroidism? A) low TSH and a low free T4 B) low TSH and elevated free T4 C) elevated TSH and low free T4 D) elevated TSH and elevated T4	B
564	EYE	45- the prescription of a patient shows xalatan drops 1 drop o.n.m. 1 bottle which of the following is the most likely condition? A. cataract B. glaucoma C. blepharitis D. conjuncitivits	B
565	EYE	75- The prescription of a patient shows Xalatan drops 1 drop o.n.m, 1 bottle. Which of the following is the most likely condition? A. Cataract B. Glaucoma C. Blepharitis D. Conjunctivitis	B
566	EYE	32- A 62-year-old woman is noted to have open-angle glaucoma. She accidentally applies excessive pilocarpine to her eyes. Which of the following is the most likely would be the expected results? A. Mydriasis B. Dilation of blood vessels C. Bronchial smooth muscle dilation D. Decreased gastrointestinal motility	B
567	EYE	96- Which of the following is the most practical method for sterilizing ophthalmic solution? A. autoclave for 15 minutes B. autoclave for 30 minutes C. membrane filtration through 0.2-µm filter D. membrane filtration through 5-µm filter	C
568	EYE	47- Which of the following prostaglandin analogs is used specific for the treatment of glaucoma? A- alprostadil B- latanoprost C- carboprost D- dinoprostone E- epoprostenol	B

569	EYE	Xalatan drops used for ? A. Glaucoma B. Fungal Infection C. Bacterial Infection D. Viral Infection	A										
570	Gen	(37) A 45-year-old male is admitted to the hospital for craniotomy Phenytoin has been prescribed to him after the surgery. Before initiation of the drug the pharmacist suggested to do pharmacogenetics test and the results revealed that the patient carries the HLA-B*58:01 allele. Which of the following adverse effects is associated with this patient's allele type? A. bleeding B. high blood pressure C. increased risk of jaundice D. severe cutaneous reaction	D										
571	GEN	5) Approximately 415 million people have been diagnosis with diabetes Which of the following terms is referred to in the mentioned statement ? A. Endemic B. Epidemic C. Incidence D. Prevalence	D										
572	GEN	60- What is the Latin abbreviation for "after meals"? A. A.C. B. A.A. C. P.C. D. I.C.	C										
573	GEN	(8) What is the estimated amount of plasma in a 70-Kg male? (50-55ml/kg) A)- 3.5 liter B)- 1.1 liter C)- 35 liter D)- 11 liter	A										
574	GEN	79- Which of the following is the abbreviation for drug to be taken by mouth? A) P.O B) p.R C) PRN D) U. D	A										
575	GEN	(48) An adult female patient with weight 80 kg and 160 cm height How do you categorize this patient weight based on the following classification? <table border="1"> <thead> <tr> <th>BMI</th> <th>WEIGHT CATEGORY</th> </tr> </thead> <tbody> <tr> <td>&lt;18.5</td> <td>Under weight</td> </tr> <tr> <td>18.5 – 24.9</td> <td>Normal</td> </tr> <tr> <td>25-29.9</td> <td>Over weight</td> </tr> <tr> <td>&gt;30</td> <td>obese</td> </tr> </tbody> </table>	BMI	WEIGHT CATEGORY	<18.5	Under weight	18.5 – 24.9	Normal	25-29.9	Over weight	>30	obese	A
BMI	WEIGHT CATEGORY												
<18.5	Under weight												
18.5 – 24.9	Normal												
25-29.9	Over weight												
>30	obese												

		<p>A. obese B. normal C. overweight D. underweight</p>	
576	GEN	<p><b>21- Which of the following describes the best patient instruction regarding the proper way to dispose of needles?</b></p> <p>A. Discard the needle in garbage B. Return the needles to their original package C. Discard the needles in a rigid and resistant container D. If the needles is for personal use, you can use it for two times to reduce environment contamination</p>	C
577	GEN	<p><b>34- Which of the following studies could establish the drug shelf-life?</b></p> <p>A. Bioavailability B. Bioequivalence C. Stability studies D. Pharmacodynamic</p>	C
578	GEN	<p><b>51-What is the age range of a neonate?</b></p> <p>A. Birth to one week B. Birth to one month C. One month to six months D. One month to twelve months</p>	B
579	GEN	<p><b>69- Which of the following statements best represents the intravenous (IV) medications in the hospital facilities?</b></p> <p>A. IV drugs transmits the highest risk of infection B. IV drugs are associated with lowest risk of undesirable side effects C. IV solutions must be hypotonic to ensure compatibility with blood osmolality D. IV solutions must be hypertonic to ensure compatibility with blood osmolality</p>	A
580	GEN	<p><b>92- Which of the following type of water should be used for reconstitution of parenteral preparations?</b></p> <p>A. Sterile water B. Distilled water C. Sterile water for injection D. Bacteriostatic water for injection</p>	C
581	GEN	<p><b>34- Which of the following solutions is required for the reconstitution of parenteral formulations?</b></p> <p>A. USP standard sterile water B. USP standard purified water C. USP standard highly purified water D. USP standard sterile water for injection</p>	D

582	GEN	<p><b>81- Which of the following food supplement is rich in omega3 fatty acids?</b></p> <p>A. fish oil B. palm oil C. peanut oil D. coconut oil</p>	A
583	GEN	<p><b>91- Which of the following is alternative name for vitamin B6?</b></p> <p>A. biotin B. thiamine C. pyridoxine D. cyanocobalamin</p>	C
584	GEN	<p><b>31- Which of the following routes of drug administration provide 100% bio availability?</b></p> <p>A. intradermal injection B. intravenous Injection C. Intramuscular Injection D. subcutaneous injection</p>	B
585	GEN	<p><b>33- Which of the following statements best describes drug dependence?</b></p> <p>A. discontinuation of the drug will produce withdrawal symptoms B. action of one drug is dependent on the presence of another drug C. discontinuation of the drug will not produce withdrawal symptoms D. patients progressively require increasingly larger doses of drug to achieve the same effect</p>	A
586	GEN	<p><b>37. An elderly man with hypothyroidism was started on thyroxin. The drug has a half-life of 72 hours. How long will it take to produce full effect?</b></p> <p>A. two days B. one week C. two weeks D. two months</p>	C
587	GEN	<p><b>44- Which of the following studies could establish the drug shelf-life?</b></p> <p>A. bioavailability B. bioequivalence C. stability studies D. pharmacodynamics</p>	C
588	GEN	<p><b>68- An extemporaneous drug label says to store the drug between 15 and 25 degrees centigrade. Which of the following is the most appropriate place where this drug should be stored?</b></p> <p>A. freezer B. refrigerator C. cool room D. warm room</p>	C
589	GEN	<p><b>5- Which of the following describes the best patient instruction regarding the proper way to dispose of needles?</b></p> <p>A. Discard the needles in garbage B. Return needles to their original package</p>	C

		<p>C. Discard the needles in a rigid and resistant container</p> <p>D. If the needle is for personal use, you can use it for two times to reduce environment contamination</p>	
590	GEN	<p>27- Cleaning is a very important step when working with laminar flow hoods. Which of the following disinfectants is most suitable for cleaning the hood before compounding a sterile preparation?</p> <p>A. 70% Ethanol</p> <p>B. 90% Ethanol</p> <p>C. 70% Isopropanol</p> <p>D. 90% Isopropanol</p>	C
591	GEN	<p>32- Which of the following is the source for standards for compounding sterile preparations to be followed in the hospital pharmacy?</p> <p>A. In World Health Organization (WHO) website</p> <p>B. In Food and Drug Administration (FDA) website.</p> <p>C. In United States Pharmacopeia (USP) chapter 797</p> <p>D. In Institute for Safe Medication practices (ISMP) publication</p>	C
592	GEN	<p>66- What is the Latin abbreviation for "after meals"?</p> <p>A. A.C</p> <p>B. A.A</p> <p>C. P.C</p> <p>D. I.C</p>	C
593	GEN	<p>100- Which following best describes the "bio-psychological approach of health"?</p> <p>A. Broad view that arrtributes disease outcome to the variable interaction of biological factory psychological factors, and social factors</p> <p>B. Health constitutes the freedom from disease, pain, or defect, making the normal human condition "healthy".</p> <p>C. The scientific measure of health and regards disease as the human body having a breakdown due to a biological reason</p> <p>D. The biological component seeks to understand how the cause of the illness stems from the functioning of the individual's body</p>	A
594	GEN	<p>32- what is the meaning of off-label drug use?</p> <p>A) use of drug without prescription</p> <p>B) use of drug expiration date</p> <p>C) use of drug outside the hospital</p> <p>D) use of drug for unapproved indications</p>	D
595	GEN	<p>38)which of the following statements best represents the inter venous (IV)? Medication in the hospital facilities?</p> <p>A) IV drugs transmits the highest risk of infection</p> <p>B) IV drugs are associated with lowest risk of undesirability side effects</p> <p>C) IV solutions must be hypotonic to ensure compatibility with blood osmolality</p>	A

596	GEN	<p><b>14) What kind of association between the variables if you want to association between age and depression pre/post drug (A) use?</b></p> <p>A) 2 continuous variables          B) A continuous variable and a binary variable          C) A continuous variable and an ordinal variable          D) A continuous variable and a categorical variable</p>	B
597	GEN	<p><b>4) A 23-year-old man has recently been started on phenytoin for the treatment of epilepsy. He is taking no other medication he has noted recently swelling and bleeding of the gum and wants to know if this might be drug related.</b></p> <p>A) Drug interaction facts          B) The Harriet Lane handbook          C) Meylers side effects of drugs          D) Natural Medicine comprehensive database</p>	C
598	GEN	<p>33- Which drug is banned in sport competitions by international Olympics?</p> <p>A. Furosemide          B. Atenolol          C. Celecoxib          D. Diclofenac</p>	A
599	GEN	<p>35- which one consider as physical examination?</p> <p>A- Regulatory          B- Precaution</p> <p><b>Note : Physical examination</b></p> <ul style="list-style-type: none"> <li>• <b>palpation for → bodytemp</b></li> <li>• <b>Percussion for → stomach(tapping)</b></li> <li>• <b>Auscultation for → heart</b></li> </ul>	B
600	GEN	<p>70 -patient on internal nutrition came with lab tests, low phosphate low magnesium?</p> <p>A- Refeeding syndrome</p>	
601	GEN	<p>117- Using Schilling test to detect amount of Vit ?</p> <p>A- B9          B- B12          C- B6</p>	B
602	GEN	<p>128- When the patient at rest the volume of the blood found more in ?</p> <p>A. vein          B. arterial          C. heart          D. pulmonary circulation</p>	A

603	GEN	162- which IV container need filtered needle ? A- Vial B- Bag C- Ampoule D- All IV preparation need filtered needle	D
604	GEN	185- boxed warning when using for teeth pain in infant lead to seizure and death ? A. Clove oil B. Ibuprofen suspension C. Gel	A
605	GEN	193- What dose mean 2 in 1? A. Dextrose and amino acids B. Water and dextrose C. Dextrose and lipoamino acid D. Dextrose and amino acid and lipid	A
606	GEN	200- amount of water in adult ? A. 60% B. 70% C. 80% D. 90%	A
607	GEN	201- amount of water in neonate ? A. 60% B. 75% C. 80% D. 90%	C
608	GEN	208- intra synovial means ? A- In spinal B- Muscle C- Joint	C
609	GEN	227-A Drug acts on non-receptor mechanism ? A. Deferoxamine B. Desloratadine C. Atenolol D. None of the above	A
610	GEN	228- The place on the body that gives the most accurate temperature ? A. front head B. mouth C. rectal D. axillary	C

611	GEN	236- which of the following can assist in regulation of sleeping pattern ? A. eating before sleeping by 10 mins B. doing aerobic exercises for 10 mins C. taking several naps during the day	B
612	GEN	249- HIV, TB , AIDS A- Chronic disease B- Communicable disease C- Non communicable	B
613	GEN	250- Carrier of b12 ? A-Intrinsic factor	
614	GEN	271- Patient came to pharmacy and taking Orlistat pt counseling? A-Take vitamins before and after Orlistat	
615	GEN	284- Women has signs of vitamin A deficiency, what are its natural forms ? A- Olive oil B- Liver oil C- Argan oil	B
616	GEN	287- Iso 7 ? A -10 B-100 C-1000 D-10000	D
617	GEN	317- Where phase II found in any location? A. Mitochondria B. Endoplasmic reticulum C. Cytoplasmic  Phase1 endoplasmic Phase2 cytoplasmic	C
618	GEN	346- larger lymphoid organ? A. intestine B. liver C. muscle D. spleen There is no choice (Tonsils)	D
619	GEN	351- which the following use in central vine ? A. D5w B. 0.9 normal saline C. 3%normal sline D. D10w	C
620	GEN	352- affinty A. How long drug bind to receptors B. how strongly drug bind to receptor	B

621	GEN	370- best source of essential fatty acids ? A- Seafood B- Plant	A
622	GEN	404- Moderate physical activity ? A- swimming B- basketball C- brisk walking D- heavy	C
623	GEN	413- Gene mutation of UGT1a1? A. atazanavir B. Lamivudine C. Zidovudine Note: glucopyranuronosylthymidine Najjar syndrome result in reduced or absent function of the bilirubin	A
624	GEN	<b>99- Which of the following is the exact date for a drug to be safety taken if its expiration date December 2018?</b> A. December 1,2018 B. December 15, 2018 C. December 31, 2018 D. January 1 <sup>st</sup> , 2019	C
625	GEN	88) Which of the following concepts that most of public health strategies are based on? A. Primary prevention B. Secondary prevention C. Clean water and food D. Ideal healthy community	A
626	GEN	<b>58) Public health is the science of protecting the health of a community Which population from the following list is their target?</b> A) People at risk of being sick B) Injured and sick people C) Mothers and children D) Entire community	D
627	GEN	58- What resource should be used when searching for the most current clinical trials on the use of novel anticoagulants for pulmonary embolism A. Pharmacotherapy, the pathophysiologic approach B. PubMed C. UpToDate D. Micromedex	B
628	GEN	<b>62) A 55-year-old man brought a prescription for Oxycontin on April year. The script from doctor is dated December 17 of last year prescription allows five refills. What quantity of fill (s) is\are likely to be received by the patient?</b> A) 1 Today+1 Refill	A

		<b>B) 0 Today + 0 Refill</b> <b>C) 1 Today + 2 Refill</b> <b>D) 1 Today + 0 Refill</b>	
629	GEN	<p><b>9- How many phase of the clinical trials are required to approve a new drug?</b></p> <p>A. 1 phase B. 2 phase C. 3 phase D. 4 phase</p>	C
630	GENE	<p><b>(40)</b> A patient was started on codeine 15 mg orally as needed for postoperative pain. One day after starting codeine, the patient presents to the Emergency Department with confusion, headache and shortness of breath.</p> <p><b>Which of the following most likely describes the patient's genotype?</b></p> <p>A. slow metabolizer of CYP 2D6 B. slow metabolizer of CYP 2C9 C. rapid metabolizer of CYP 2C9 D. rapid metabolizer of CYP 2D6</p> <p>N.B:-CYP2D6 enzyme converts codeine into its active metabolite, morphine, which provides its analgesic effect. Consequently, pain relief may be inadequate in individuals who have 2 inactive copies of CYP2D6 ("poor metabolizers", PMs), because of reduced morphine levels.</p> <p>In contrast, individuals who have more than 2 normal-function copies of the CYP2D6 gene ("ultrarapid metabolizers", UMs) are able to metabolize codeine to morphine more rapidly and more completely. As a result, even with therapeutic doses of codeine, these individuals may experience the symptoms of <b>morphine overdose, which include extreme sleepiness, confusion, and shallow breathing,</b></p>	D
631	GENE	<p><b>96- Which of the following genetic testing might derive a potential benefit from Trastuzumab therapy in a breast cancer patient?</b></p> <p>A. TPMT positive activity B. VKORC1 genotype positive C. HER2/gene genotype positive D. HLA-B *5801 genotype positive</p>	C
632	GENTIC	<p>72- Breast cancer. The gene HER2 was negative we can use?</p> <p>A- Letrozole B- Trustuzumb</p>	A
633	git	<p><b>85- A 3-year-old boy presents with diarrhea. His weight is 13 Kilograms. Which of the following is the most appropriate maintenance fluid requirement for this patient?</b></p> <p>A. 1000 ml B. 1050 ml C. 1150 ml D. 1250 ml</p>	C

634	git	<p><b>81- Which of the following is most likely to be associated with heartburn?</b></p> <ul style="list-style-type: none"> <li>A. paracetamol</li> <li>B. chlorpheniramine</li> <li>C. potassium chloride</li> <li>D. magnesium/aluminum hydroxide</li> </ul> <p>N.B:-Potassium chloride supplements are for patients with low potassium levels, from diuretics or other causes. These supplements are a well-documented cause of medication-related esophagitis</p>	C				
635	GIT	<p><b>92- Which of the following medications is the most appropriate for nausea induced by the anti-parkinson's drug bromocriptine?</b></p> <ul style="list-style-type: none"> <li>A. itopride</li> <li>B. domperidone</li> <li>C. metoclopramide</li> <li>D. chlorpheniramine</li> </ul> <p>N.B:-Domperidone (Motilium) is the anti-emetic of choice to prevent and treat nausea and vomiting.</p>	B				
636	GIT	<p><b>Which of the following is the main feature of celiac disease?</b></p> <ul style="list-style-type: none"> <li>A. Malabsorption of proteins</li> <li>B. Increased protein degradation</li> <li>C. Decreased excretion of proteins</li> <li>D. Decreased breakdown of protein</li> </ul>	A				
637	GIT	<p><b>87- A 39-year-old woman presents with complain of epigastria burning and pain for the last 6 month 33 / 272 significant medical history but reports an allergy to beta-lactam antibiotics. An office based Urea Breath Test is performed to diagnose Helicobacter pylori infection (see lab result).</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <thead> <tr> <th style="background-color: #d9e1f2;">Test</th> <th style="background-color: #d9e1f2;">Result</th> </tr> </thead> <tbody> <tr> <td>Urea breath test</td> <td>Positive</td> </tr> </tbody> </table> <p><b>Which of the following is the most appropriate treatment regimen?</b></p> <ul style="list-style-type: none"> <li>A. Levofloxacin and lansoprazole for 14 days</li> <li>B. Omeprazole, clarithromycin, and amoxicillin for 10 days</li> <li>C. Omeprazole, clarithromycin, and metronidazole for 14 days</li> <li>D. Omeprazole, bismuth subsalicylate, tetracycline, and azithromycin for 14 days</li> </ul>	Test	Result	Urea breath test	Positive	C
Test	Result						
Urea breath test	Positive						
638	GIT	<p><b>(17) Which of the following is the most appropriate regimen to prevent constipation in a patient starting on morphine for pain?</b></p> <ul style="list-style-type: none"> <li>A) docusate and senna</li> <li>B) bisacodyl and lactulose</li> <li>C) polyethylene glycol and Metamucil</li> <li>D) methylnaltrexone and magnesium sulfate</li> </ul>	A				

639	git	<p><b>26- Which of the following medications can cause pneumonia as a side effect?</b></p> <p>A) Lisinopril B) Metformin C) Simvastatin D) Omeprazole</p>	D															
640	git	<p><b>53- A 7-year-old girl presents with moderate dehydration due to vomiting (see lab results).</b></p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #d3d3d3;">TEST</th><th style="background-color: #d3d3d3;">RESULT</th><th style="background-color: #d3d3d3;">NORMAL VALUE</th></tr> </thead> <tbody> <tr> <td>SODIUM</td><td>134</td><td>134-146 mmol/L</td></tr> <tr> <td>POTASSIUM</td><td>2.9</td><td>3.5-5.1 mmol/L</td></tr> <tr> <td>Chloride</td><td>98</td><td>97-108 mmol/L</td></tr> <tr> <td>Bicarbonate</td><td>30</td><td>21-28 mmol/L</td></tr> </tbody> </table> <p><b>What is the most suitable replacement fluid?</b></p> <p>A) 0.9% Sodium chloride B) 5% Dextrose with sodium bicarbonate C) 0.9% sodium chloride with potassium chloride D) 5% Dextrose\0.225 % sodium chloride with potassium</p>	TEST	RESULT	NORMAL VALUE	SODIUM	134	134-146 mmol/L	POTASSIUM	2.9	3.5-5.1 mmol/L	Chloride	98	97-108 mmol/L	Bicarbonate	30	21-28 mmol/L	C
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POTASSIUM	2.9	3.5-5.1 mmol/L																
Chloride	98	97-108 mmol/L																
Bicarbonate	30	21-28 mmol/L																
641	GIT	<p><b>30-which of the following drugs can be safely recommended to a patient that has been suffering from chronic constipation?</b></p> <p>A. Glycerol suppository B. Ispaghula husk C. Bisacodyl D. Senna</p>	B															
642	GIT	<p><b>66- Which of the following regimen is the treatment of choice for a patient who develops a gastric ulcer cause by Helicobacter pylori infection?</b></p> <p>A. famotidine and amoxicillin B. lansoprazole and clarithromycin C. misoprostol, clarithromycin, amoxicillin D. clarithromycin, amoxicillin and lansoprazole</p>	D															
643	GIT	<p><b>9- Which of the following areas in the brain is the main target for metoclopramide to produce antiemetic activity?</b></p> <p>A. pituitary gland B. meso-limbic brain area C. nigro-striatal brain area D. chemoreceptor trigger zone</p>	D															
644	GIT	<p><b>22- Which of the following most likely is the action of histamine?</b></p> <p>A. constriction of capillaries B. paralysis of skeletal muscle C. elevation of blood pressure D. stimulation of gastric secretion</p>	D															

645	GIT	<p><b>4- Which of the following is the mechanism by which bisacodyl laxative relieves constipation?</b></p> <ul style="list-style-type: none"> <li>A. Causing colon relaxation</li> <li>B. Acting as a surfactant to soften the stool</li> <li>C. Absorbing water and forming a gelatinous mass</li> <li>D. Stimulating enteric nerves to increase colonic contractions</li> </ul>	D
646	GIT	<p><b>31- Which of the following is the mechanism of action of loperamide antidiarrheal effect?</b></p> <ul style="list-style-type: none"> <li>A. Binding bile acids</li> <li>B. Blocking of cholinergic receptors</li> <li>C. Activation of the opioid receptors</li> <li>D. Activation of alpha-2 adrenergic receptors</li> </ul>	C
647	GIT	<p><b>27- which drug should be used for both bone and GIT problems?</b></p> <ul style="list-style-type: none"> <li>A- Ca gluconate</li> <li>B- Ca Carbonate</li> <li>C- Metoclopramide</li> <li>D- Omeprazole</li> </ul>	B
648	GIT	<p><b>71 -patient with severe gastric pain radiating to right upper quadrant with vomiting and pain radiates to back also and gets worse with fatty meals ?</b></p> <ul style="list-style-type: none"> <li>A- Pancreatic</li> <li>B- gallstones</li> <li>C- hepatic disease</li> </ul>	A
649	GIT	<p><b>286- When take Omeprazole ?</b></p> <ul style="list-style-type: none"> <li>A- Morning with meal</li> <li>B- Night before sleep</li> <li>C- As need</li> <li>D- stimulate adrenergic</li> </ul>	B
650	GIT	<p><b>Which of the following tests can be used to confirm eradication of H. pylori q ?</b></p> <ul style="list-style-type: none"> <li>A. Urea breath test</li> <li>B. Stool antigen assay</li> <li>C. EGD with biopsies</li> <li>D. Serologic testing</li> <li>E. Both A and D</li> </ul>	E
651	HORM	<p><b>19) Which one of the following medication can a gynecologist prescribe to a patient ?</b></p> <ul style="list-style-type: none"> <li>A. Tamoxifen</li> <li>B. Fingolimod</li> <li>C. Anastrozole</li> <li>D. Misoprostol</li> </ul>	D
652	HORM	<p><b>99- Which the following hormones maintains the concentration of water in the body?</b></p> <ul style="list-style-type: none"> <li>A. Vasopressin (antidiuretic hormone)</li> <li>B. Thyrotropin</li> <li>C. Adrenocorticotropin</li> <li>D. Luteinizing hormone</li> </ul>	A

653	HORMO	<p><b>54) Which of the following hormones stimulate mammary gland development and milk production?</b></p> <ul style="list-style-type: none"> <li>A. Prolactin</li> <li>B. Oxytocin</li> <li>C. Corticotropin</li> <li>D. Growth hormone</li> </ul>	A
654	IMMU	<p><b>50- Type of hypersensitivity for drug induced hemolytic anemia?</b>            A- Cytotoxic reaction            b- immediate sensitivity reaction</p>	A
655	IMMU	<p><b>22) Which of the following immunoglobulin activates complement system ?</b></p> <ul style="list-style-type: none"> <li>A. IgM</li> <li>B. IgE</li> <li>C. IgA</li> <li>D. IgG</li> </ul>	D
656	IMMU	<p><b>82- An 8-year-old child had difficulty in breathing, swelling of lips and tongue, and fainted following eating a piece of cake containing nuts.</b>  <b>Which of the following types of hypersensitivity reactions the child is exhibiting?</b></p> <ul style="list-style-type: none"> <li>A. Immune-complex</li> <li>B. Delayed hypersensitivity</li> <li>C. Cytotoxic hypersensitivity</li> <li>D. Immediate hypersensitivity</li> </ul>	D
657	IMMU	<p><b>(10) Which of the following white blood cell types is the target of immunodeficiency virus during acquired immune deficiency syndrome (AIDS)?</b></p> <ul style="list-style-type: none"> <li>A) CD1 lymphocytes</li> <li>B) CD2 lymphocytes</li> <li>C) CD3 lymphocytes</li> <li>D) CD4 lymphocytes (T lymphocytes)</li> </ul>	D
658	IMMU	<p><b>18) Which of the following represents the immunity acquired by give living organism with attenuated virus?</b></p> <ul style="list-style-type: none"> <li>A) Local immunity</li> <li>B) Passive immunity</li> <li>C) Natural active immunity</li> <li>D) Artificial active immunity</li> </ul>	D
659	IMMU	<p><b>40- Which of the following is the first antibody to be produced new infection?</b></p> <ul style="list-style-type: none"> <li>A) IgM</li> <li>B) IgG</li> <li>C) IgA</li> <li>D) IgE</li> </ul>	A

660	IMMU	<p><b>67-A 28-year-old woman was recently diagnosed with Crohn' was started with high dose intravenous corticosteroids .she conversion to oral drugs and was started on infliximab, a tumour factor <math>\alpha</math>(TNF-<math>\alpha</math>), inhibitor.</b></p> <p><b>Which of the following tests should be performed prior to infliximab?</b></p> <p>A) HIV screening B) Influenza screening C) Hepatitis C screening D) Tuberculosis screening</p>	D									
661	IMMU	<p><b>70) To which of the following the major histocompatibility complex unique?</b></p> <p>A) Each cell B) Each organ C) Each species D) Each individual</p>	D									
662	IMMU	<p><b>78-A 27-year-old man suffer from hepatitis C virus infection. His level of alanine aminotransferase and aspartate aminotransferase are high.</b></p> <p>In addition, liver biopsy showed mild fibrosis (see lab results).</p> <table border="1"> <thead> <tr> <th>TEST</th><th>RESULTE</th><th>NORMAL VALUE</th></tr> </thead> <tbody> <tr> <td>Alanine aminotransferase</td><td>75</td><td>5-40 IU/L</td></tr> <tr> <td>Aspartate aminotransferase</td><td>55</td><td>12-40 IU/L</td></tr> </tbody> </table> <p><b>Which of the following drugs should be avoided in his case?</b></p> <p>A. Amoxicillin B. Pregabalin C. Cephalexin D. Methotrexate</p>	TEST	RESULTE	NORMAL VALUE	Alanine aminotransferase	75	5-40 IU/L	Aspartate aminotransferase	55	12-40 IU/L	D
TEST	RESULTE	NORMAL VALUE										
Alanine aminotransferase	75	5-40 IU/L										
Aspartate aminotransferase	55	12-40 IU/L										
663	immu	<p><b>31- Which of the following is used for the treatment of neo-vascular age-related muscular degeneration?</b></p> <p>A. Aflibercept B. Latanoprost C. Muromomab D. Gemtuzumab</p>	A									
664	IMMU	<p><b>97- Which of the following drugs is associated with progressive multifocal leukoencephalopathy side effect?</b></p> <p>A. Bisoprolol B. Pregabalin C. Doxycycline D. Natalizumab</p>	D									
665	IMMU	<p><b>50- Which of the following is the site of action for aflibercept?</b></p> <p>A. Fibroblast growth factor B. Human chorionic gonadotropin C. Brain-derived neurotrophic factor</p>	D									

		<b>D. Vascular endothelial growth factor-A</b>	
666	IMMU	<p>32- Which of the following is involved in type 2 hypersensitivity (Cytotoxic hypersensitivity reaction)</p> <p>A- IgE B- IgG C- T lymphocytes D- Macrophages Note : type 1= IgE</p>	B
667	IMMU	<p>109- drug use in organ transplantation?</p> <p>A- cyclosporine</p>	
668	IMMU	<p>151- Immune cells have Y shape that antibodies attaches to which part ??</p> <p>A. Hinge side B. Consistent h side C. Variable h side D. Consistent L side E. Variable L and h side</p>	B
669	IMMU	<p>152- An 8-year-old child had difficulty in breathing, swelling of lips and tongue, and fainted following eating a piece of cake containing nuts. Which of the following types of hypersensitivity reactions the child is exhibiting?</p> <p>A. Immune-complex B. Delayed hypersensitivity C. Cytotoxic hypersensitivity D. Immediate hypersensitivity</p>	D
670	IMMU	<p>382- Case with food allergy asking about type of response?</p> <p>A- Immediate hypersensitivity B- No immediate hypersensitivity</p>	A
671	IMMU	<p>414- What is the secondary prevention?</p> <p>A. Vaccination B. Immunization C. Do exercise D. Blood test <input checked="" type="checkbox"/></p>	D?
672	IMU	<p>6) Which of the following immunoglobulin (Ig) is frequently found to be elevated in asthmatic patients ?</p> <p>A. IgA B. IgE C. IgM D. IgD</p>	B

673	IMU	15- which cells had antibody on its surface? A. B cell B. T cell C. T helper D. T killer	A
674	IMU	17- part of immunoglobin attach to B-cell ? A- Slight chain B- heavy chain	B
675	IMU	18- part of immunoglobin attach to antigen ? A. Slight chain B. heavy chain	A
676	INER	79_ Which of the following drugs is considered as an enzyme inhibitor that may effect the metabolism of other drugs? A. phenytoin B. furosemide C. cimetidine D. theophylline	C
677	INFE	1- major toxic effect of chloramphenicol in baby due to lack of which enzyme? A. glucuronyltransferase enzyme (gray baby syndrome ) B. B- Methyltransferase enzyme	A
678	INFE	52- During prescription verification, a pharmacist identified a drug interaction in a 23-year-old woman diagnosed with urinary tract and prescribed an antibiotic. Pharmacist contacted the change to a drug that will not harm the patient.  Which of the following antibiotics is the best option for the patient? A) Cephalexin B) Ciprofloxacin C) Nitrofurantoin D) Trimethoprim-sulfamethoxazole	D
679	INFE	54- Which of the following antibiotics is used in surgical prophylaxis of colorectal surgeries? A. Ampicillin B. Cefoxitin C. Linezolid D. Augmentin	B
680	INFE	82- Which of the following is the first line treatment of malaria can be caused by plasmodium falciparum in Saudi Arabia? A. Quinine B. Primaquine C. Artesunate D. Doxycycline	C

681	INFE	<p><b>83-</b> A 57-year-old man who presents to an urgent care clinic with complains of 2-day history of high fever, muscle/bone ache, headache and loss of appetite. He has been in his usual state of health and reports close contacts of a sick friend with flu recently.</p> <p><b>Which of the following would be the best management?</b></p> <ul style="list-style-type: none"> <li>A. Amoxicillin: 500 mg PO q8h for 10 days</li> <li>B. Azithromycin: 500 mg PO once daily for 3 days</li> <li>C. Amoxicillin-clavulanic acid: 1 gm PO q12h for 1 week</li> <li>D. Support treatment.(e.g., fluids, rest, antihistamine, paracetamol)</li> </ul>	D
682	INFE	<p><b>4-</b> Which of the following conditions is a serious adverse reaction of fluoroquinolone therapy?</p> <ul style="list-style-type: none"> <li>A. Eczema</li> <li>B. Bleeding</li> <li>C. Depression</li> <li>D. Q-T interval prolongation</li> </ul>	D
683	INFE	<p><b>5-</b> Which of the following is the reason doxycycline should be avoided in children less than 12 years?</p> <ul style="list-style-type: none"> <li>A. A High toxicity</li> <li>B. Low tolerability</li> <li>C. Risk of bleeding</li> <li>D. Teeth discoloration</li> </ul>	D
684	INFE	<p>30- which one cause latent infection?</p> <ul style="list-style-type: none"> <li>A. polio</li> <li>B. measles</li> <li>C. rubella</li> <li>D. varicella-zoster</li> </ul>	D
685	INFE	<p>Antibiotics can be used topical 44- Case and (ointment ) in MRSA infection  A- vancomycin ointment  B- Mupirocin ointment  I don't remember the other options  Answer because can't use vancomycin topically</p>	B
686	INFE	<p>48- case E coli with CKD?</p> <ul style="list-style-type: none"> <li>A. Ciprofloxacin 400 iv every 12 hrs</li> <li>B. Ciprofloxacin 400 iv every 24 hrs</li> <li>C. meropenem 500 iv every 8 hrs</li> <li>D. meropenem 500 iv every 12 hrs</li> </ul>	C
687	INFE	<p>67- patient has severe endocarditis with staphylococcus aureus on vancomycin but sensitivity test is done and the patient is only sensitive on linezolid but it's not FDA approved in endocarditis what's the management?  Increase vancomycin dose, don't give linezolid, give  A- linezolid as off-label</p>	

688	INFE	75- Antibiotic inhibit protein synthesis by 30 what effects? A. Elongation B. initiation C. termination	B?
689	INFE	76- Antibiotic inhibit protein synthesis by 50 what effect? A. Elongation B. initiation C. termination	A
690	INFE	83- Which one is encapsulated bacteria ? A - Streptococcus Pneumoniae B- Lactobacillus Acidophilus C- Mycobacterium Tuberculosis D - Salmonella Typhi	A
691	INFE	88- Which of the following can be used for UTI infections ? A. Garlic B. Cranberry C. Echinacea D. Ginko	B
692	INFE	95- What is the adverse effect of fluoroquinolones? A. QT Prolongation B. Rach C. Increase Blood Pressure D. Constipation	A
693	INFE	103- case about a child has pin worm infection. Which of the following is the best drug of choice ? A- Mefloquine B- Albendazole C- Doxycycline D- Metronidazole	B
694	INFE	104- case about a girl has sore throat (mild) without any infection or other symptoms what should you advise her ? A. Gargle With Salt and Water B. Clindamycin C. Anti-Histamine D. Ceftriaxone I.v Every 12 Hrs	A
695	INFE	107- use in the prevention of RSV in neonate? A. Palivizumab B. oslumab Note: Respiratory syncytial virus (RSV) in neonate	A

696	INFE	108- Months infant have RSV ? A. supportive B. Palivizumab	A
697	INFE Z	31) Which of the following is a characteristic for facultative anaerobic? A) Only grow anaerobically B) Only grow in the presence of oxygen C) An anaerobe but can grow in the absence of oxygen D) Require simultaneous presence of aerobic and anaerobic environments for growth	C
698	INFEC	88- A 36-year-old man not known to have any medical illness diagnosed recently with an active pulmonary tuberculosis.  Which of the following is the best regimen to start? A. Rifampin alone B. Isoniazid alone C. Isoniazid plus rifampin D. Isoniazid, rifamixin, ethambutol and pyrazinamide	D
699	INFEC	89- A 23-month-year-old, 14-kg infant, her mom brought her to the hospital with signs and symptoms of bacterial meningitis. The baby attends day care and has a history of acute otitis media. A blood and CSF culture were ordered and pending.  Which of the following is the empirical therapy for acute bacterial meningitis? A. Doxycycline plus linezolid B. Ampicillin plus genfamicin C. Cefuroxime plus ciprofloxacin D. Ceftriaxone or cefotaxime plus vancomycin	D
700	INFEC	Which of the following micro-organisms causes typhoid fever ? A) Shigella B) Flavivirus C) Salmonella D) Treponema pallidum	C
701	INFEC	11) Which of the following describes the transmission mode of coronavirus? A. Respiratory route B. Blood-borne route C. Contaminated food and drinks D. Direct contact with patient saliva	A
702	INFEC	44) A 24-year-old male presented to the hospital with a skin infection the microbiology technician received a sample from this patient the sample in a special media was incubated over 24 hour and showed Staphylococcus aureus. The microbiologist used disk diffusion method to determine the susceptibility of different antibiotics (see image)  الصورة ماهي نفس السؤال	C D

		<p><i>(Fin 4-3a)</i></p>	
		<p><b>What is the most sensitive antibiotic?</b></p> <ul style="list-style-type: none"> <li>A. Ampicillin (Amp)</li> <li>B. Vancomycin (Van)</li> <li>C. Methicillin (Meth)</li> <li>D. Penicillin (Control)</li> </ul>	
703	INFEC	<p><b>52) Which of the following bacteria is involved in the development of dental carries ?</b></p> <ul style="list-style-type: none"> <li>A. Streptococcus mutans</li> <li>B. Listeria monocytogenes</li> <li>C. Streptococcus</li> <li>D. Corynebacterium diphtheriae</li> </ul>	A
704	INFEC	<p><b>68- What is the main method transmission of Brucella species?</b></p> <ul style="list-style-type: none"> <li>A. Airborne</li> <li>B. Blood transfusion</li> <li>C. Contact with infected person</li> <li>D. ingestion of unpasteurized milk /milk products</li> </ul>	D
705	infec	<p><b>71-A pregnant woman is travelling to a high risk malarial country which antimalarial prophylactic agent carries the most fetal risk in pregnant women?</b></p> <ul style="list-style-type: none"> <li>A. Mefloquine</li> <li>B. Doxycycline</li> <li>C. Chloroquine</li> <li>D. Atovaquone-proguanil</li> </ul>	B
706	infec	<p><b>94- Which of the following viral infections best describes chronic infection?</b></p> <ul style="list-style-type: none"> <li>A. Infection in which host cell dies due to interference with normal cellular function</li> <li>B. Infections in which there is uncontrolled growth or immortalization of the host cell</li> <li>C. Infection in which virus persists within the host cell but new virions are not synthesized</li> <li>D. Infection in which virus persists within the host cell and continues to replicate the virions</li> </ul>	D
707	INFEC	<p><b>98- A 28-year-old pregnant female in labor is admitted to the hospital. She tested positive for Group B streptococcus colonization at her 36-week appointment. She has a penicillin allergy and her culture are resistant to both clindamycin and erythromycin.</b></p> <p><b>What is the recommended treatment for this patient?</b></p> <ul style="list-style-type: none"> <li>A. Cefazolin</li> <li>B. Penicillin G</li> </ul>	D

		C. Ceftriaxone D. Vancomycin									
708	INFEC	<p>86) A 7-year-old boy presents with complain of itchiness around the anus at night. Lab tests revealed Enterobius vermicularis infection (pin worm infection).</p> <p>Which of the following is the most appropriate management?</p> <p>A) fluconazole B) praziquantel C) pantoprazole D) mebendazole</p>	D								
709	INFEC	<p>43- drugs may accumulate the tissues as result of their physicochemical characteristics or special affinity of the tissue for the drug.</p> <p>which of the following parts of the body dose tetracycline accumulate?</p> <p>A) liver B) Bone C) muscle D) adipose tissue</p>	B								
710	INFEC	<p>(16) A 55-year-old woman presents with symptoms of helicobacter pylori infections. She was previously treated with the classical amoxicillin, clarithromycin, omeprazole regimen. The physician is unable to obtain susceptibility testing for the Helicobacter pylori but the pattern of local antimicrobial resistance to penicillin's is well known.</p> <p>What would be the optimal treatment for her?</p> <p>A) amoxicillin(1g), clarithromycin(500mg) and metronidazole (500 mg) plus omeprazole (20mg) BID for 14 days B) amoxicillin(1g), clarithromycin (500 mg) and metronidazole (500 mg) plus omeprazole (40mg) BID for 14 days C) bismuth subsalicylate525 QID and tetracycline (500 mg) QID plus metronidazole (500 mg) and omeprazole (40mg) BID for 14 days D) bismuth subsalicylate (2) and doxycycline (100 mg) QID plus metronidazole (500 mg) TID and omeprazole (40 mg) BID for 14 days</p>	C								
711	INFEC	<p>27) A 16-month-old baby with bronchopulmonary dysplasia is admitted Pediatric Intensive Care Unit with respiratory distress requiring in (see lab results)</p> <table border="1"> <tr> <td>HEART RATE</td> <td>86/min</td> </tr> <tr> <td>RESPIRATORY RATE</td> <td>30/min</td> </tr> <tr> <td>TEMP.</td> <td>38.6°C</td> </tr> <tr> <td>Nasal swab</td> <td>Positive for respiratory syncytial virus</td> </tr> </table> <p>What is the best management?</p> <p>A) Cefuroxime B) Palivizumab C) Corticosteroid D) Intravenous fluids and supportive care</p>	HEART RATE	86/min	RESPIRATORY RATE	30/min	TEMP.	38.6°C	Nasal swab	Positive for respiratory syncytial virus	D
HEART RATE	86/min										
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TEMP.	38.6°C										
Nasal swab	Positive for respiratory syncytial virus										

712	INFEC	<p><b>48- What is the description of viruses that live as parasites on bacteria?</b></p> <p>A) fungi B) Lichens C) Commensals D) Bacteriophage</p>	D
713	INFEC	<p><b>74- Which of the following is a B-lactamase enzyme?</b></p> <p>A) Plasmid B) Pyrogens C) DNA gyrase D) Carbapenemase</p>	D
714	INFEC	<p><b>77- Which of the following Clostridium spp. Is linked to the develop pseudomembranous colitis?</b></p> <p>A) C. tetani B) C. difficile C) C. botulinum D) C. Perfringens</p>	B
715	INFEC	<p><b>2) Which is the best treatment for staphylococcus aureus positive mastitis?</b></p> <p>A) Cephalexin B) Clindamycin C) Ciprofloxacin D) Nitrofurantoin</p>	A
716	INFEC	<p><b>10- A nurse has an inquiry about the appropriate time to Withdraw a trough gentamicin level for a patient.</b></p> <p><b>What is the best answer for her inquiry?</b></p> <p>A. 1 hour after gentamicin administration B. 30 minutes after gentamicin administration C. 1 hour before the scheduled gentamicin dose D. 30 minutes before the scheduled gentamicin dose</p>	D
717	INFEC	<p><b>17-A 6-year-old boy is diagnosed with a pin-worm infection. Which of the following drugs should be used for treatment?</b></p> <p>A. Mefloquine B. Doxycycline C. Albendazole D. pyrimethamine</p>	C
718	INFEC	<p><b>18- what is the recommended prophylactic therapy for pregnant women colonized with group B streptococcus in labor with penicillin allergies at high risk for anaphylaxis?</b></p> <p>A. Cefazoline B. Linezolid C. Penicillin G D. Clindamycin</p>	D

719	INFEC	<p><b>22-</b> which of the following might develop in association with high serum amikacin?</p> <ul style="list-style-type: none"> <li>A. Bleeding</li> <li>B. Ototoxicity</li> <li>C. Liver failure</li> <li>D. Visual changes</li> </ul>	B
720	INFEC	<p><b>(41)</b> Which of the following infections is prevented with the administration of 0.5% erythromycin eye ointment in newly born infants?</p> <ul style="list-style-type: none"> <li>A. mycoplasmal conjunctivitis</li> <li>B. adenoviral conjunctivitis</li> <li>C. gonococcal ophthalmia</li> <li>D. chlamydial Infection</li> </ul>	C
721	INFEC	<p><b>79-</b> Which of the following is the most appropriate empiric treatment for a patient with community-acquired pneumonia requiring admission to the hospital?</p> <ul style="list-style-type: none"> <li>A. Doxycycline and azithromycin</li> <li>B. Ceftriaxone and azithromycin</li> <li>C. Moxifloxacin and ceftriaxone</li> <li>D. Vancomycin and ceftriaxone</li> </ul>	B
722	INFEC	<p><b>99-</b> An 18-year-old healthy girl admitted to the hospital with a diagnosis of necrotizing pneumonia. She received vancomycin 1 gm IV q12h and meropenem 1 gm IV q8h. The trough level of vancomycin was 16 mcg/ml (normal range: 10- 20 mcg/ml).</p> <p>Which of the following is the next appropriate step in management of this patient?</p> <ul style="list-style-type: none"> <li>A. Continue the same treatment</li> <li>B. Request a drug level for meropenem</li> <li>C. Increase the dose of vancomycin to 2 gm IV q12h</li> <li>D. Decrease the dose of vancomycin to 500 mg IV q12h</li> </ul>	A
723	INFEC	<p><b>(18)</b> Which of the following medications can cause hemolytic anemia in the newborn when used by a pregnant woman at full term?</p> <ul style="list-style-type: none"> <li>A. amoxicillin</li> <li>B. ciprofloxacin</li> <li>C. azithromycin</li> <li>D. nitrofurantoin</li> </ul>	D
724	INFEC	<p><b>35-</b> Which of the following classes of medications have been associated with the development of newborn kernicterus when used by pregnant women at full- term?</p> <ul style="list-style-type: none"> <li>A. Penicillin's</li> <li>B. Vancomycin</li> <li>C. Cephalosporins</li> <li>D. Sulfa containing medications</li> </ul>	D
725	INFEC	<p><b>13-</b> Which of the following mechanisms, cephalexin exerts antibacterial effects?</p> <ul style="list-style-type: none"> <li>A. inhibition of protein synthesis</li> <li>B. destruction of the bacterial cell nucleus</li> <li>C. inhibition of bacterial cell wall synthesis</li> </ul>	C

		D. detergent effect on the bacterial cell membrane	
726	INFEC	<p>70- Which of the following clinical conditions is treated with zanamivir?</p> <p>A. cytomegalovirus disease B. myocardial infraction C. bacterial infection D. acute influenza</p>	D
727	INFEC	<p>89- Which of the following medications would inhibit uncoating of the viral RNA?</p> <p>A. acyclovir B. vidarabine C. didanosine D. rimantadine</p>	D
728	INFEC	<p>92- Which of the following has similar antibacterial mechanism of penicillin?</p> <p>A. neomycin B. cephalixin C. tetracycline D. clindamycin</p>	B
729	INFEC	<p>7- Which of the following best describes ceftazidime?</p> <p>A. A third-generation cephalosporin which covers gram negative and gram-positive organisms B. A second-generation cephalosporin which covers gram negative and gram-positive organisms C. A first-generation cephalosporin which covers gram positive organisms D. An amino penicillin</p>	A
730	INFEC	<p>23-A 60-year-old woman is admitted to the hospital for surgery. Colonization of gram-negative bacteria occurred after surgery. Which of the following is the best management?</p> <p>A. Cefprozil B. Cephalexin C. Ceftriaxone D. Phenoxyethyl penicillin</p>	C
731	INFEC	<p>42- Which of the following is an indication for ciprofloxacin?</p> <p>A. Fever B. Arthropathy C. Tuberculosis D. Inhalational anthrax</p>	D
732	INFEC	<p>43- Which of the following drugs has poor oral bioavailability?</p> <p>A. Cefixime B. Amoxicillin C. Vancomycin D. Ciprofloxacin</p>	C

733	INFEC	<p>69- Which of the following is the drug of choice for chlamydia infection?</p> <ul style="list-style-type: none"> <li>A. Amikacin</li> <li>B. Amoxicillin</li> <li>C. Tetracycline</li> <li>D. Azithromycin</li> </ul>	D
734	INFEC	<p>97- Which of the following is the best treatment for st.aureus positive mastitis ?</p> <ul style="list-style-type: none"> <li>A. Cephalexin</li> <li>B. Nitrofurantoin</li> <li>C. Clindamycin</li> <li>D. Ciprofloxacin</li> </ul>	A
735	INFEC	<p>123- case patient take pyrazinamide, ethambutol, rifampicin have problems in vision What is the drug responsibility for this side effect ? B- ethambutol</p>	
736	INFEC	<p>127-pregnant with vaginal discharge Candida diagnostic?</p> <ul style="list-style-type: none"> <li>a. fluconazole</li> <li>b. clotrimazole</li> <li>c. acyclovir</li> </ul> <p>Notes: Amphotericin B - Topical imidazole - Nystatin</p>	B
737	INFEC	<p>137- lab results HB , glucose, all in the range except high WBC ?</p> <p>A- Anemia B- Infection C- hyperglycemia</p>	B
738	INFEC	<p>139- What are the major constituents of the fungal cell wall ??</p> <p>A- chitin Note : glucans and glycoproteins</p>	
739	INFEC	<p>142- Vancomycin Trough Level?</p> <p>A- 5_10 B- 10_20 or (10-15) C- 30-40</p>	B
740	INFEC	<p>target vancomycin trough in severe infection?</p> <p>A- 5-10 B- 15-25 C- 15-20</p>	C
741	INFEC	<p>150- Your colleagues has been contacted with c.difficile patient and used disinfectant wipes what to do ?</p> <p>A- Use alcohol B- Wash hands C- Take tetracycline</p>	B

742	INFEC	189- Vancomycin optimum trough concentration (mg/L) A. 5-10 B. 10-15 C. 15-20	C
743	INFEC	190- cyclosporine is given, which medication is safe to give with it ? A. Azithromycin B. erythromycin C. clarithromycin	A
744	INFEC	191-pregnant with HIV and viral load <100 which medication is given in delivery ? A. Tenofovir B. lamivudine C. zidovudine D. efavirenz	C
745	INFEC	199- Gentamicin peak ? A. one hour after dose B. two hours before dose C. one hour before dose  Note: trough: 30 minutes before 3rd or 4th dose.	A
746	INFEC	218 -mechanism of azole antifungal on fungi ? A. inhibition of ergosterol of fungi B. bind to the membrane of fungi C. induce in the membrane and destroy it	A
747	INFEC	231- Ciprofloxacin reaches first to ? A. Liver ,adipose tissue & brain B. Brain , liver , adipose tissue C. adipose tissue, liver , brain	C
748	INFEC	232-Tetracycline accumulation ? A- bone B- liver C- tissue	A
749	INFEC	233- What's Endotoxin ? A. part of gram positive B. part of gram negative C. heat labile  Note: outer membrane	B
750	INFEC	234- what's Exotoxin ? A. found in both gram+ and gram- B. part of gram positive C. part of gram negative D. heat labile  Note: exotoxins include: botulinum toxin released during lysis of the cell	A

751	INFEC	235- best treatment for st.aureus positive mastitis ? A. cephalexin B. nitrofurantoin C. clindamycin D. ciprofloxacin	A
752	INFEC	238- patient taking vancomycin when nurse can withdraw a trough vancomycin level for the patient ? A. 1hour before the scheduled vancomycin dose B. 30 mins after vancomycin administration C. 30 mins before the 4th dose D. 30 mins before vancomycin administration	C
753	INFEC	254- Patient went for tooth extraction and the doctor prescribed antibiotic form as prophylaxis from endocarditis which of the following patient most need it ? A- mitral valve B- kidney transplant C- Asthma D- Diabetes	A
754	INFEC	255- Ebola effect ? A- common cold B- Hemorrhagic fever C- Pulmonary edema D- Atypical pneumonia #Note: Ebola transmitted by Blood and fluid	B
755	INFEC	260- 2 years skin infection with penicillin allergy should take ? A- Doxycycline B- Amoxicillin + clavulanic acid C- Sulfamethoxazole + trimethoprim	C
756	INFEC	266- Bacteria cause milk fermentation ? A- Lactobacillus B- Bacteroidetes C- Chlamydia D- Cyanobacteria	A
757	INFEC	292- which antibiotic cause hyperkalemia ? A - ciprofloxacin B- Norfloxacin C- Trimethoprim/sulfamethoxazole D- Amoxicillin	C
758	INFEC	297- Pseudomonas aeruginosa in gram stain ? A - gram positive cocci B- gram negative cocci C- gram positive bacilli D- gram negative bacilli	D

759	INFEC	320- Amoglobin analysis, positive IGG and IGM pollination, and the type of infection ? A- An old infection B- The condition worsened C- New condition D- The earliest new case does not appear with the new infection A	C
760	INFEC	350- which the following treatment Meningitis empiric treatment ? A. Vancomycin B. Ceftriaxone 2g 12 h IV 7-14 day C. Ampicillin D. Azithromycin	B
761	INFEC	353- Epileptic pt. on phenytoin, which AB is suitable for him ? A. Ciprofloxacin B. Erythromycin C. Azithromycin D. Clarithromycin	C
762	INFEC	362- transmission of Brucella species ? A- ingestion of Unpasteurized milk/milk products	
763	INFEC	363- Most effective infection control in hospital ? A. Wearing gloves B. Wearing mask C. Don't contact with infected patient D. Everyone entering hospital must wear PPE	D
764	INFEC	393- Antibiotic which inhibit protein synthesis by binding with 30S at site A inhibit A. Initiation of protein synthesis B. Elongation of protein synthesis C. Termination of protein synthesis	A
765	INFEC	394- Antibiotic which inhibit protein synthesis by binding with 50S at site A inhibit A. Initiation of protein synthesis B. Elongation of protein synthesis C. Termination of protein synthesis	B
766	INFEC	405- Pt with E. coli UTI and given TMP/SMX but it turns out to be resistant what is the most appropriate alternative? A. Ciprofloxacin B. Meropenem C. TMP/SMX double strength	A

767	INFEC	<p>408- clostridium difficile cause ?</p> <p>A- salmonellosis B- typhoid fever C- pseudomembranous colitis D- cholera</p> <p>Note: treatment vancomycin or metronidazole</p>	C
768	INFEC	<p>417- What type of cephalosporin has a least effect on pseudomonas aeruginosa ?</p> <p>A. Cefazolin B. Cefoxitin C. Ceftazidime D. Cefiderocol</p>	A
769	INFEC V	<p><b>81-</b> A 65-year-old. diabetic man admitted to Emergency Department (ED) with a 3-day history of productive cough, shortness of breath (SOB) and chest pain. Chest X-ray showed bilateral lower infiltration</p> <p>Which conformed the diagnosis of pneumonia? An H1N1 virus was detected in nasal swab.</p> <p>Which of the following antivirals is the drug of choice in this case?</p> <p>A. Ribavirin B. Acyclovir C. Oseltamivir D. Gancyclovir</p>	C
770	Kin	<p><b>1-A drug has a volume of distribution of 35L in a 70 Kg man. Which of the following best describes Its distribution?</b></p> <p>A. it is bound to DNA B. it is dissolved in lipids C. it has low bioavailability D. it is mostly distributed in plasma</p>	B
771	kin	<p><b>45- Which of the following drugs exhibits dose-dependent pharmacokinetics at normal therapeutic doses?</b></p> <p>A. lithium B. quinidine C. phenytoin D. sodium valproate</p>	C
772	KIN	<p><b>91- The ionization of the drug is very important to understand the pharmacodynamic of the drug. Which of the following forms are absorbed from the stomach?</b></p> <p>A. polar-ionized B. polar-unionized C. non polar ionized D. non-polar-unionized</p>	D
773	KIN	<p><b>70- How long does it take for the body to remove 99% of the drug by first order elimination process after a single dose?</b></p> <p>A) 2 half-lives</p>	C

		<p><b>B) 4 half-lives</b>  <b>C) 7 half-lives</b>  <b>D) 10 half-lives</b></p>	
774	kin	<p><b>23)</b> The graphs represent quantal dose-response curves for the effect and lethality by a drug (للتوضيح الصورة ماهي نفس السؤال ) .</p> <p><math>ED = 5</math></p> <p><math>TD = 20</math></p> <p>The therapeutic index (<math>TD_{50}/ED_{50}</math>) is a measure of the margin of safety of a given drug</p> <p>What is the drug's therapeutic index?</p> <p>A) 0.9  B) 1.1  C) 4  D) 10</p>	C
775	KIN	<p><b>1)</b> Which of the following is a common enzyme polymorphism that could potentially alter clopidogrel efficacy?</p> <p>A) Cyp2c7  B) Cyp2c9  C) Cyp2c10  D) Cyp2c19</p>	D
776	KIN	<p><b>86-</b> A 55-year-old man comes to the pharmacy complaining that has acetaminophen with codeine he started 2 days ago to manage his post-operative pain does not seem any better than when he uses acetaminophen alone. After the pharmacist reviews his profile, he noticed results from pharmacogenomics testing performed 3 years ago that shows he is a CYP2D6 poor metabolizer.</p> <p>Which is the best explanation why this patient does not seem to benefit from codeine?</p> <p>A. Codeine excretion is rapid  B. Codeine absorption is slower  C. Codeine is metabolized faster  D. Codeine dose should be increased</p>	B
777	KIN	<p><b>12)</b> Which of the following drugs will have decreased absorption when given with dietary calcium?</p> <p>A. enalapril  B. propranolol  C. doxycycline</p>	C

		D. acetylsalicylic acid											
778	KIN	<p><b>36-</b> Which of the following drugs is known to have significant variable bioavailability due to its extensive hepatic metabolism upon oral administration?</p> <p>A. Amoxicillin B. Propranolol C. Ciprofloxacin D. Acetaminophen</p>	B										
779	KIN	<p><b>79-</b> Which of the following drugs complexes with dairy products or with antacids when administered orally?</p> <p>A. Enalapril B. Warfarin C. Doxycycline D. Acetylsalicylic acid</p>	C										
780	KIN	<p><b>86-</b> Carbamazepine (<math>pK_a=13.2</math>) is an antiepileptic drug used in the treatment of status epilepticus. This condition requires fast intervention with carbamazepine injection.</p> <p>Which of the following is most likely to describe what will happen if carbamazepine was given orally?</p> <p>A. Fast intervention because the drug will be ionized in the stomach B. Slow intervention because the drug will be ionized in the stomach C. Fast intervention because the drug will be unionized in the stomach D. Slow intervention because the drug will be unionized in the stomach</p>	B										
781	KIN	<p><b>5-</b> A dose of 500 mg of a drug is administrated to a patient, and the concentration results at the indicated times are shown (see table)</p> <table border="1"> <thead> <tr> <th>TIME</th><th>PLASMA CONCENTRATION (MG/L)</th></tr> </thead> <tbody> <tr> <td>0</td><td>40</td></tr> <tr> <td>1</td><td>28.3</td></tr> <tr> <td>4</td><td>20</td></tr> <tr> <td>6</td><td>14.1</td></tr> </tbody> </table> <p>Which of the following is the half-life of the drug?</p> <p>A. 2 hours B. 3 hours C. 4 hours D. 6 hours</p>	TIME	PLASMA CONCENTRATION (MG/L)	0	40	1	28.3	4	20	6	14.1	C
TIME	PLASMA CONCENTRATION (MG/L)												
0	40												
1	28.3												
4	20												
6	14.1												
782	KIN	<p><b>29-</b> A 500-mg dose of aspirin was given intravenously to a patient produced an initial plasma concentration of 100 mg\L. If the half life of the drug is 6.93 hours, what would be the total body clearance?</p> <p>A. 50 Liters\ hour B. 10 Liters\hour</p>	D										

		C. 5 Liters\hour D. 0.5 Liters\hour	
783	KIN	<p><b>70-</b> Which one of the following medications is known to be a powerful enzyme inducer?</p> <p>A. warfarin B. rifampicin C. itraconazole D. metronidazole</p>	B
784	KIN	<p><b>73-</b> Which of the following is the mechanism by which Phenobarbital can decrease the therapeutic efficacy of tricyclic antidepressants when administered at the same time?</p> <p>A. increasing the excretion of tricyclic antidepressants B. decreasing the excretion of tricyclic antidepressants C. decreasing the metabolism of the drug by induction of microsomal enzymes D. increasing the metabolism of the drug by induction of microsomal enzymes</p>	D
785	KIN	<p><b>22-</b> A 50-year-old man on warfarin therapy started drinking an herbal tea extra (one gallon daily). A week later his INR dropped to 1.35 prior to that time, his INR had been in the range of 2.5-3. Once the herbal tea was discontinued, the patient's INR came back up to 2.50.</p> <p>Which of the following is the content of the herbal tea extract?</p> <p>A. Anise B. Ginger C. Green tea D. Chamomile</p>	C
786	KIN	<p><b>83-</b> Which of the following ranges of volume of distribution is deduced for warfarin (anticoagulant) that is 98% bound to proteins?</p> <p>A. 3-5 L B. 40-50 L C. 50-500 L D. 5000-10000 L</p>	A
787	KIN	<p>9- Elderly patient what happened with absorption?</p> <p>A. Increase both lipophilic and hydrophilic drugs absorption B. Decrease both C. Increase lipophilic absorption and decrease hydrophilic absorption D. decrease lipophilic absorption and increase hydrophilic absorption</p>	C
788	KIN	<p>81- which of the following has high protein binding?</p> <p>A. Lithium B. Vancomycin C. Phenytoin</p>	C

789	KIN	176- Drug should not use be take with ciprofloxacin A- ACEI B- atorvastatin C- ferrous sulfate D- metformin	C
790	KIN	214- Drug acid Where will be high excretions? A. Pka 3.3 weak base B. Pk 3.3 weak acid C. Pka 6.8 weak base D. Pka 6.8 weak acid	C
791	KIN	219-Which the antifungal more bond to CP450 ? A. amphotericin B. Voriconazole  Note: non-linear kinetics	B
792	KIN	258- Drug enhanced it's absorption with ranitidine A- lorazepam B- Warfarin C- Aspirin D- Naproxen	D
793	KIN	263- Rifampicin affect cyp3A4 ? A- Inducer B- Inhibition	A
794	KIN	331- which of the following decrease the effect of Warfarin ? A- antibiotics b- multivitamins	B
795	KIN	332- which of the following increase the effect of Warfarin ? A- antibiotics b- multivitamins	A
796	KIN	355- Sodium bicarbonate antacid makes an out elimination of ? A. pka=1.2, weak acid B. pka=5.1, weak acid C. pka=7.8, weak base D. pka= 9, weak base	A
797	KIN	401- Drug enhanced it's absorption with ranitidine A- lorazepam B- Warfarin C- Aspirin D- Naproxen	D
798	KINE	<b>46- What dose linear pharmacokinetics mean?</b> <b>A. The clearance of the drug is not changing when dose increases</b> <b>B. The plasma concentration versus time curve is a straight line</b> <b>C. The half-life of the drug is equal to its volume of distribution</b> <b>D. The drug levels in the body are in steady state</b>	B

799	LIPID	<p><b>50) Which of the following is a characteristic cholesterol?</b></p> <ul style="list-style-type: none"> <li>A. Cholesterol has hydroxyl group at carbons</li> <li>B. Cholesterol is a very hydrophilic compound</li> <li>C. Cholesterol has four fused hydrocarbon rings</li> <li>D. Cholesterol has three double bonds in its structure</li> </ul>	C
800	LIPID	<p><b>94- Which of the following best describe the main pharmacological property of cholestyramine?</b></p> <ul style="list-style-type: none"> <li>A. Decreases excretion of cholesterol</li> <li>B. Lowers high density lipoprotein (HDL) level</li> <li>C. Increases low density lipoprotein (LDL) level</li> <li>D. Increase the efficiency of lipoprotein removal</li> </ul>	D
801	LIPID	<p>209- Drugs for dyslipidemia Cause interaction with multiple chronic disease ?</p> <p>A- Niacin B- Rosuvastatin C- Others</p>	B
802	LIPID	<p>336- Which side effect can be caused by statin therapy ?</p> <ul style="list-style-type: none"> <li>A. Fatty liver</li> <li>B. New onset diabetes</li> <li>C. Gout</li> <li>D. Flushing</li> <li>E. None of the</li> </ul>	B
803	LIVER	<p><b>65) 57-year-old man with liver cirrhosis and ascites and a Child-Pugh class score of 8 is having severe pain due to injury. What would be the recommended medication?</b></p> <ul style="list-style-type: none"> <li>A. Codeine</li> <li>B. Morphine</li> <li>C. Diclofenac</li> <li>D. Acetaminophen</li> </ul> <p><b>N.B:-</b> acetaminophen at reduced dosing is a safe option. In patients with cirrhosis, nonsteroidal anti-inflammatory drugs should be avoided to avert renal failure, and opiates should be avoided or used sparingly, with low and infrequent dosing, to prevent encephalopathy.</p>	D
804	liver	<p>20- patient on tpn for 17 day all liver enzyme high except albumin normal, Normal amylase and normal lipase. What's the complication if tpn in this patient ?</p> <ul style="list-style-type: none"> <li>A- liver stenosis</li> <li>B- liver cirrhosis</li> <li>C- pancreatitis</li> <li>D- cholestasis</li> </ul>	B
805	LIVER	<p>24- patient with lab results high GGT, high ALT and high AST, what disease?</p> <p>A- Cirrhosis B- hepatic steatorria C- cholestasis</p>	A
806	LIPID	<p>45- simvastatin best time take it?</p> <p>A- At bedtime</p>	A

807	MAN	<p>87) which of the following drugs is used for premature ejaculation?</p> <p>A) atenolol B) dapoxetine C) olanzapine D) aripiprazole</p>	B
808	MAN	<p>33- which of the following medication is used treat benign prostatic hyperplasia?</p> <p>A) donepezil B) etanercept C) tamsulosin D) carbidopa</p>	C
809	MAN	<p>44- Which of the following medications is an anti-androgen?</p> <p>A. Danazol B. Tamoxifen C. Finasteride D. Mifepristone</p>	C
810	MARK	<p>37- Which of the following marketing mix contains market cover assortments?</p> <p>A) Price B) Place C) Product D) Promotion</p>	B
811	MARK	<p>342- at is the main purpose of pharmacy marketing jobs ? A- create new jobs B- Sell cosmetic products</p>	B
812	MARK	<p>359- What is the principle of marketing Options are to</p> <p>A. gain customer B. satisfaction C. increase sales</p>	B
813	MARK	<p>381- Pharmacist wanted to increase the advertisement for his pharmacy and what best questionnaire he can do ?</p> <p>A. Ask the costumers B. Online questionnaire</p>	B
814	MARK	<p>389- Which of the following marketing mix contains market coven assortments</p> <p>A. Product B. place C. price D. promotion</p>	B
815	MARK	<p>390- You have a pharmacy and you want to sell it, and the one who buys it from you is asking for sales and profits and what you give?</p> <p>A. you give him the sales records B. net profit C. uniforms like that</p>	B

816	mark	426- Before marketing Phase 4 A. III B. IV C. V	A
817	MARK	<b>Price of product was increased from 100 SA Riyals to 105 SA Riyals. This resulted in a large decline on demand from 120 to 80</b> Which of the following types of demand does this product follow? A) Elastic B) Latent C) Inelastic D) Unaffected	A
818	MICRO	174- which enzyme inhibits bacterial cell wall ? A- lysosoma B- lyzosome	A
819	NARCO	<b>Which of the following drugs found under the narcotic classification ?</b> A. Fentanyl B. Midazolam C. Loprazolam D. Pentobarbital	A
820	NARCO	<b>47- Which of the following statements best describe drug dependence?</b> A. Discontinuation of the drug will produce withdrawal symptoms B. Action of one drug is dependent on the presence of another drug C. Discontinuation of the drug will not produce withdrawal symptoms D. Patients progressively require increasingly larger doses of drug to achieve the same effect	A
821	NARCO	how long the control drug should be administered by IV rout A- 12h B- 24h C- 48h	CB
822	NARCO	323- What is required in a narcotic prescription option? A. more than one narcotic agent can be included in the same prescription B. single narcotic agent written at the top with red pen C. the original copy is given to the patient	B
823	NARCO	drug causes A Constipation or B depression or C withdrawal symptoms ?? A. morphine/naloxone/ pentazocine B. morphine/naletroxone/ methadone C. morphine/naloxone/ Pentazocine	C
824	NARCO	drug causes A Constipation or B depression or C dependence symptoms ?? A. morphine/naletroxone / pentazocine B. morphine/naloxone/ methadone C. morphine/naloxone/ Pentazocine	B

825	NARCO	411- which decrease the amount minimum alveolar concentration for anesthetic drugs A- Diazepam <input checked="" type="checkbox"/>	
826	NARCO	pt take morphine 90 mg and want replace by fentanyl patch A. 30 mcg B. 15 mcg C. 25 mcg D. 10 mg	C
827	NARCO	416- patient used morphine 50 mg twice daily he want to change fentanyl patch A- 25mcg B- 50mcg C- 100mcg	
828	NARCO	<b>81-A 23-year-old drug addict man was brought to the Emergency Room with severe agitation and excitement. He was administered intravenous diazepam, with no improvement in his condition.</b> <b>Which of the following is the mostly likely drug the patient was addicted on?</b> A. Opioids B. Cocaine C. Pregabalin D. Cannabinoids	A
829	NARCO	<b>23-A 10-year-old boy is brought with complaints of fever sore throat and non- productive cough for 1 day. Which of the following is best regimen for non- productive cough?</b> A. Codeine 10 mg 4 times daily B. Guaifenesin 50 mg 4 times daily C. Dextromethorphan 15 mg twice daily (10-20mg every 4-h) D. Dextromethorphan 30 mg twice daily <b>NB. Dextromethorphan dose</b> <ul style="list-style-type: none"><li>• (10-20mg every 4-h)</li><li>• (20-30mg every 6-8h)</li><li>• Extend release 60mg bid</li><li>• Max 120mg/24h</li></ul> REF.LEXI	D
830	NASAL	243-case about patient with runny nose and complain about and need fast relief of congestion? A. pheniramine B. pseudoephedrine C. intranasal cromolyn D. corticosteroid	May be B
831	OPIO	<b>75) Which of the following drugs has a high abuse potential?</b> A) nifedipine B) allopurinol C) Varenichine D) methylphenidate	D

832	pain	<p>52- How to measuring pain in child?</p> <ul style="list-style-type: none"> <li>A. Numerical Rating Scales (NRS)</li> <li>B. Verbal Rating Scales (VRS)</li> <li>C. Visual Analog Scales (VAS)</li> <li>D. Faces Pain Scale-Revised</li> </ul>	D
833	PAIN	<p>58- Which of the following drugs has both an anti- Inflammatory and analgesic activity?</p> <ul style="list-style-type: none"> <li>A. codeine</li> <li>B. pethidine</li> <li>C. ibuprofen</li> <li>D. paracetamol</li> </ul>	C
834	PAIN	<p>4) A 4-week Infant is diagnosed with patent ductus arteriosis. The doctor wants to avoid performing surgery.</p> <p>Which drug will be administered to avoid surgical closure?</p> <ul style="list-style-type: none"> <li>A) allopurinol</li> <li>B) Indomethacin (NSAIDS should be used within 14 day of birth)</li> <li>C) pseudoephedrine</li> <li>D) bromopheniramine</li> </ul>	B
835	PAIN	<p>21- which of the following instructions should be provided to a patient receiving fentanyl transdermal patches?</p> <ul style="list-style-type: none"> <li>A. Apply on area with fresh wound</li> <li>B. Avoid increase in body core temperature</li> <li>C. Store patches in the refrigerator to decrease stinging sensation</li> <li>D. Apply heating pads on the transdermal patch to improve absorption</li> </ul>	B
836	PAIN	<p>61- A 60-year-old man with 6-year history of myocardial infarction and gout. He presented to the clinic complain of severe pain in his first left consistent with acute gout flare. He mentions that he can't colchicine. What is the most appropriate pharmacotherapy recommendation for his acute flare-associated pain?</p> <ul style="list-style-type: none"> <li>A. Ibuprofen</li> <li>B. Allopurinol</li> <li>C. Indomethacin</li> <li>D. Acetaminophen</li> </ul>	A
837	PAIN	<p>98- An 88-year-old frail woman with osteoarthritis has difficulty in walking and pain. She has no other medical history and has failed numerous aids to help her with the pain. Which of the following drugs is the best recommendation?</p> <ul style="list-style-type: none"> <li>A. Acetaminophen</li> <li>B. Glucosamine D</li> <li>C. Celecoxib</li> <li>D. Ibuprofen</li> </ul>	C

838	PAIN	<p><b>66-</b> A 65-year-old woman is suffering from osteoarthritis. She complains of severe pain and is prescribed naproxen 500 mg twice a day, Which of the following adverse effects may be seen with long term use of naproxen?</p> <ul style="list-style-type: none"> <li>A. Cirrhosis</li> <li>B. Renal failure</li> <li>C. Hypotension</li> <li>D. Irritable Bowel Syndrome</li> </ul>	B
839	PAIN	<p><b>21-</b> A 45-year-old surgeon has developed symmetric early morning stiffness in her hands. She has to do several fong surgical procedures in the next few months. Which of the following non-steriodal anti-inflammatory agents (NSAIDS) has the longest duration of action?</p> <ul style="list-style-type: none"> <li>A. piroxicam</li> <li>B. Ibuprofen</li> <li>C. naproxen</li> <li>D. diclofenac</li> </ul>	A
840	PAIN	<p><b>86-</b> A 28-year-old woman who is 8 months pregnant is taking naproxen 500 mg twice daily for the past four weeks to treat severe backache. Which of the following health issues at the time of birth puts the neonate at higher risk?</p> <ul style="list-style-type: none"> <li>A. asthma</li> <li>B. cardiac arrhythmias</li> <li>C. uncontrolled bleeding</li> <li>D. gastroesophageal Reflux Disease</li> </ul>	C
841	PAIN	<p><b>15-</b> Which of the following drugs has both an anti-inflammatory and analgesic activity?</p> <ul style="list-style-type: none"> <li>A. Codeine</li> <li>B. Pethidine</li> <li>C. Ibuprofen</li> <li>D. Paracetamol</li> </ul>	C
842	PAIN	<p><b>52-</b> Which of the following is the mechanism of action of anti- inflammatory action of aspirin?</p> <ul style="list-style-type: none"> <li>A. Inhibition of nitric oxide synthesis</li> <li>B. Reduction in leukotrienes formation</li> <li>C. Increased synthesis of prostaglandins</li> <li>D. Decreased synthesis of prostaglandins</li> </ul>	D
843	PAIN	<p><b>11-</b> Aspirin is dispensed to an infant as antipyretic, which of the following we should ask before dispensing the medication?</p> <ul style="list-style-type: none"> <li>A. weight</li> <li>B. Age</li> <li>C. Hight</li> <li>D. Head circumference</li> </ul>	B
844	PAIN	<p><b>28-</b> patient has osteoarthritis in knee ?</p> <ul style="list-style-type: none"> <li>A. paracetamol</li> <li>B. gabtin</li> <li>C. glucosamine</li> </ul>	A

845	PAIN	53- Which of the following antigout medications acts by decreasing serum levels but increasing urine levels of uric acid, thus increasing the risk of kidney stone development? A- colchicine B- allopurinol C- probenecid D- rasburicase E- pegloticase	C
846	PAIN	99- what is the ibuprofen and aspirin drug drug interaction ? A. Increase Bleeding B. Increase Blood Pressure C. Decrease Blood Pressure D. Increase Risk Of Myopathy	A
847	PAIN	121- Plant Alkaloid uses in Acute gout attack? A- Naproxen B- Colchicine C- Allopurinol D- Indomethacin	B
848	PAIN	122- Xanthine oxidase inhibitors uses in gout? A- Allopurinol B- Sulindac C- Naproxen D- Indomethacin	A
849	PAIN	172- elderly renal pt ? A. Ibuprofen B. sulindac C. indomethacin D. codaine+paracetamol	D
850	PAIN	180- NSAIDs low git risk ? A- Ibuprofen B- Celecoxib	B
851	PAIN	347- drug not use in gout patient ? A- enalapril B- diuretic	B
852	Phsi	24- What is the main absorptive function of the colon? A. Iron B) Triglycerides C) Water and glucose D) Sodium, chloride, and water  N.B:-The role of the ascending colon is to absorb the remaining water and other key nutrients from the indigestible material,	D
853	Phsi	36- Which of the following parts of the body does urea synthesis take? A) Liver B) Heart	A

		<b>C) Blood</b> <b>D) Kidney</b>	
854	plum	<p><b>41) Which of the following is the most appropriate advice to give to asthmatic patients as non-pharmacological management?</b></p> <p>A. Air purifiers will help ease the patients' symptoms B. OB Weight-loss is unlikely to affect their symptoms now C. Patients should be trained on breathing exercise programs D. OD.increase physical activity</p>	C
855	PRAC	<p><b>91- Which of the following counselling points is best to discuss with a patient who is taking levothyroxine?</b></p> <p>A. It can be taken with calcium supplements or dietary foods with no problems B. Take it in the morning on an empty stomach, at least 30 mins (before breakfast) C. If you miss a dose, make sure to double the next scheduled levothyroxine dose D. Take it immediately after the breakfast with a large glass of water to avoid stomach upset</p>	B
856	PRAC	<p>37- Which of the following is considered intentional non-adherence ? A- Patient unable to swallow B- Confusion C- Forgets D- Afraid of side effects</p>	D
857	PRAC	<p>205- drug used after trial in hospital ?</p> <p>A. internal validity B. external validity C. reliability</p>	B
858	PRAC	<p><b>Which of the following have means that individuals have the capacity to understand basic health information to make appropriate health decisions?</b></p> <p>a. Health literacy b. Cultural competency c. Communication skills d. Professional communication</p>	A
859	PRAC	<p><b>Which of the following communication techniques is the most appropriate at the message you want to deliver to a patient (or healthcare provider) is received correctly?</b></p> <p>A. Feedback B. Direct contact C. High voice tone D. Non-verbal communication</p>	A

860	PRAC	<p><b>Which of the following strategies are used with low literacy patients to Encourage them to change their behavior ?</b></p> <ul style="list-style-type: none"> <li>A. Keep information focused and organized</li> <li>B. Use a normal speaking tone and volume</li> <li>C. Use briefer educational sessions</li> <li>D. Use more visual aids</li> </ul>	D
861	PRAC	<p><b>27) Which of the following strategies are used with older adult patients to encourage them to change their behavior?</b></p> <ul style="list-style-type: none"> <li>A. Use teach-back more often throughout the session</li> <li>B. Introduce new concepts more slowly</li> <li>C. Use briefer educational sessions</li> <li>D. Use more visual aids</li> </ul>	A
862	PRAC	<p><b>78- Which one of the following question's types is used to identify a certain piece of information?</b></p> <ul style="list-style-type: none"> <li>A. Leading questions</li> <li>B. Open ended questions</li> <li>C. Closed ended questions</li> <li>D. Process and outcome questions</li> </ul>	C
863	PRAC	<p><b>15) Which one of the following questioning techniques uses hints and aid patients in answering questions?</b></p> <ul style="list-style-type: none"> <li>A) Changing questions</li> <li>B) Empathetic responding</li> <li>C) Prompting while asking</li> <li>D) Redirection the questions</li> </ul>	C
864	PRAC	<p><b>19-A 62-year-old man who just had a needle biopsy of pancreas adenocarcinoma. A pharmacist saw his brother in the hall, and him not to tell the patient because the knowledge would be very on his health. A family conference to discuss the prognosis is scheduled for later that afternoon.</b></p> <p><b>What is the way for the healthcare practitioner to handle the situation?</b></p> <ul style="list-style-type: none"> <li>A) The healthcare practitioner should ask the patient how he the information in front of the rest of the family, and for some family discussion time for this matter</li> <li>B) The healthcare practitioner should honor the request of the member who is protecting his beloved brother from the patient</li> <li>C) The healthcare practitioner should tell the patient withholding information is not permitted under any circum</li> <li>D) The patient should withhold informing the patient about the 2 pancreatic cancer because of the grave diagnosi</li> </ul>	B
865	PRAC	<p><b>54- Which of the following communication skills can help patient complete their train of thought?</b></p> <ul style="list-style-type: none"> <li>A) Closed-ended questions</li> <li>B) Facial expression</li> <li>C) Use of reminders</li> </ul>	C

		<b>D) Body posture</b>	
866	PRAC	<p><b>72- Which of the following means that individuals have the understand basic health information to make appropriate health?</b></p> <p>A) Health literacy B) Cultural competency C) Communication skills D) Professional communication</p>	A
867	PRAC	<p><b>20- A pharmacist is working in a busy community pharmacy where has several patients at the counter. A patient brought to you for Sildenafil for erectile dysfunction.</b></p> <p><b>Which of the following is the best way of communication with you to provide counseling?</b></p> <p>A) Ask other patients to leave the pharmacy in order to commu with the patient B) To protect patient privacy, no need to communicate with just provide the drug to him C) Ask the patient to move to a private area in the pharmacy hear you clearly and ask questions D) Write down the instructions in a paper and provide it to him talking to him in front of other patients</p>	C
868	PRAC	<p><b>Which of the following scenarios is considered a violation of the ethics?</b></p> <p>A. Submitting a research approval extension request to institutional review board after failling to finish the project within the approved period B. Distributing questionnaires to patients waiting in emergency collect information about their health status without a consent page C. Calling patients to collect information after telling them about the project and getting their agreements D. Drawing blood samples after getting the approval from institutional review board</p>	B
869	PRAC	<p><b>46) There are four principles in biomedical ethics these ethics autonomy justice, Beneficence, and one more principle</b></p> <p><b>Which of following as the fourth principles of biomedical ethics?</b></p> <p>A. Privacy B. Dilemmas C. Non-maleficence D. Conflict of interest</p>	C
870	PRAC	<p><b>75- Which of the following documents created by the World medical Which Association is the statement of ethical principles for medical research involving human subjects?</b></p> <p>A. Ethics Code B. Belmont Report C. Nuremberg Zode D. Declaration of Helsinki</p>	D

871	PRAC	<p><b>39) Which one of the following statements accurately explain the idea of "Diffusion of innovation therapy for health promotion?</b></p> <ul style="list-style-type: none"> <li>A. Psychological process of creativity</li> <li>B. The way how people develop new idea</li> <li>C. How new ideas are controlled by a culture</li> <li>D. The method of disseminating innovative ideas a through a culture</li> </ul>	d
872	PRAC	<p><b>4) Which of the following measurements is used to assess patient adherence?</b></p> <ul style="list-style-type: none"> <li>A. Drug Utilization reviews</li> <li>B. Medication Event System</li> <li>C. Medication Possession Ratio</li> <li>D. Medication therapy management</li> </ul>	B
873	PRAC	<p><b>15) Which of the following best describe pharmacy health literacy assessment?</b></p> <ul style="list-style-type: none"> <li>A. Measure how well the pharmacy is serving patients with limited health literacy skills</li> <li>B. Discover gaps in the written information provided to served patients</li> <li>C. Explore understanding of health care information by the illiterate</li> <li>D. Assess the level of literacy in the served patients</li> </ul>	A
874	PRAC	<p><b>23) Research investigators must submit all research protocols to the institutional review board and obtain approval before performing the research</b></p> <p><b>What is the main purpose of this board?</b></p> <ul style="list-style-type: none"> <li>A. To help in collecting the date</li> <li>B. To provide the needed fund for the research</li> <li>C. To safeguard the rights of human research subjects</li> <li>D. To calculate the most appropriate sample size for the research</li> </ul>	C
875	PRAC	<p><b>32) Which of the following is used as an electronic medication dispenser to improve medication adherence?</b></p> <ul style="list-style-type: none"> <li>A. Text messaging</li> <li>B. Cell phone calendar</li> <li>C. E-pill Multi Alarm Time Cap</li> <li>D. Med-E-Lert Automatic pill Dispenser</li> </ul>	D
876	PRAC	<p><b>33) A pharmacy department needs to design a system to maximize the value of the drug therapy to the patients, which of the following systems should the pharmacy department operate?</b></p> <ul style="list-style-type: none"> <li>A. Patient safety program</li> <li>B. Pharmacy benefit management</li> <li>C. Pharmacy networking and bar-coding system</li> <li>D. Communication with the prescriber and the therapist</li> </ul>	D
877	PRAC	<p><b>37) Which of the following is the major risk associated with the use of over-the- counter drugs?</b></p> <ul style="list-style-type: none"> <li>A. Increased cost without benefit</li> <li>B. Decreased drug-drug interactions</li> <li>C. Increased potential for misuse and abuse</li> <li>D. Increased risk of adverse events</li> </ul>	d

878	PRAC	<p><b>43) Which of the following situations allow for accepting verbal order?</b></p> <ul style="list-style-type: none"> <li>A. In a code status</li> <li>B. To start chemotherapy</li> <li>C. When prescriber is on vacation</li> <li>D. For a non-formulary drug request</li> </ul>	A
879	PRAC	<p><b>49) Which of the following is the best approach for your patient when his/her objective measures of adherence are inconsistent with the subjective measures?</b></p> <ul style="list-style-type: none"> <li>A. "I noticed there were some missing refills of your medication and I'm concerned that there might be a problem"</li> <li>B. "Your refill rerecords provides that you did not refill your medication for the few months ago, do you want to be refilled now?"EN</li> <li>C. "Many of my patients have some difficulties remembering to take their medication, what kind of problems have you experienced"</li> <li>D. "Sounds like you are not sure about how to take your medicine you show me how to take it"</li> </ul>	D
880	PRAC	<p><b>55) A patient visits pharmacy with fever and cough but has no prescription patients requests for acetaminophen, dextromethorphan syrup, glycerin suppository and amoxicillin 500 mg capsules</b></p> <p><b>Which of the following needs prescription for delivery?</b></p> <ul style="list-style-type: none"> <li>A. Amoxicillin capsules</li> <li>B. Glycerin suppository</li> <li>C. Acetaminophen tablet</li> <li>D. Dextromethorphan syrup</li> </ul>	A
881	PRAC	<p><b>74- which of the following systems can be integrated with computerized physician order entry to guide physician during prescribing medications?</b></p> <ul style="list-style-type: none"> <li>A. Smart plumbs</li> <li>B. barcode systems</li> <li>C. Electronic distribution cabinets</li> <li>D. Clinical decision support system</li> </ul>	D
882	PRAC	<p><b>83- Which of the following is considered a direct method to measure adherence?</b></p> <ul style="list-style-type: none"> <li>A. Pill count</li> <li>B. Pharmacy record</li> <li>C. Patients' questionnaires</li> <li>D. Body drug concentration</li> </ul>	D
883	PRAC	<p><b>(2) Which of the ethical principles do violate as a pharmacist when time and give consultations to only relative?</b></p> <ul style="list-style-type: none"> <li>A) justice</li> <li>B) autonomy</li> <li>C) beneficence</li> <li>D) non-maleficence</li> </ul>	A

884	PRAC	<p><b>13-</b> The treatment of tuberculosis (AntiTB) involves multiple medication have to be taken for a long period of time.</p> <p>Which of the following is the best way to ensure patient adherence AntiTB?</p> <p>A) Apply Direct Observed Therapy, Short course strategy (DOT)  B) Add multivitamins to increase absorption of AntiTB  C) Interview the patient to assess their knowledge about AntiTB  D) Review current medications profile to avoid drug-drug inten with AntiTB</p>	A
885	PRAC	<p><b>33)</b> Which of the following is the name of the body responsible for the approval of research in health institutions?</p> <p>A) Date Review Board  B) Research Review Board  C) Institutional Review Board  D) Date and Safety Monitoring Board</p>	C
886	PRAC	<p><b>71-</b> A hospital conducted a pharmacovigilance (PV) activity to detected events after certain treatment, by asking patients directly and patient records.</p> <p>Which of the following is the type of PV activity conducted by?</p> <p>A) Active PV  B) Passive PV  C) Mandatory PV  D) Spontaneous PV</p>	A
887	PSCY	<p><b>85-</b> Which of the following agents can exert an antipsychotic effect which appears to be due to a dopamine receptor blockade in the central nervous system?</p> <p>A. Fluoxetine  B. Bupropion  C. Bromocriptine  D. Chlorpromazine</p>	D
888	PSCY	<p>46- patient with major depression should receive antidepressant therapy for at least?</p> <p>A- 2 weeks  B- 6 weeks  C- 2 months  D- 6 months</p>	D اشرح
889	PSCY	<p>84- Which of the following Drugs is used for positive symptoms of schizophrenia ?</p> <p>A- Haloperidol  B- Levodopa  C- Sertraline  D- Citalopram</p>	A

890	PSCY	<p>86- what is the Clozapine test monitoring?</p> <ul style="list-style-type: none"> <li>A. Neutropenia (ANC)</li> <li>B. Liver Functions</li> <li>C. Kidney Functions</li> <li>D. Testing of Vitamin B12 Levels</li> </ul>	A
891	PSCY	<p>94- A 22-year-old male presents to the primary care physician with complaints of uncomfortable sensation in his legs during the day and he must constantly move them. History reveals that he has schizophrenia and is treated with antipsychotics over the last three months. Which of the following antipsychotic agent is this patient most likely takes.</p> <p>A- Clozapine B- Haloperidol C- Olanzapine D- Risperidone</p>	B
892	PSCY	<p>319- A patient (she was an elderly I think 75) has a seizure, a history of arrhythmia and is diagnosed with depression. What's the best management ?</p> <p>A- Bupropion B- Paroxetine C- imipramine</p>	B
893	PSCYTH	<p><b>16- Which of the following drugs is used for premature ejaculation?</b></p> <ul style="list-style-type: none"> <li>A. Atenolol</li> <li>B. Dapoxetine</li> <li>C. Olanzapine</li> <li>D. Aripiprazole</li> </ul>	B
894	PSY	<p><b>100)Which of the following is a pharmacological property of chlorpromazine?</b></p> <p>A) <i>antihistamine</i> B) <i>anti emetic drug</i> C) cholinesterase inhibitor D) selective serotonin reuptake inhibitor</p> <p>N.B:-The anti-emetic effect of chlorpromazine stems from the combined blockade at histamine H1</p>	A
895	PSY	<p><b>1) Which of the following Is the effect of smoking on serum olanzapine levels?</b></p> <p>A) has no effect B) Increase in serum olanzapine levels C) decrease in serum olanzapine levels D)decrease In olanzapine levels initially then increase in It</p>	C
896	PSYCH	<p><b>77- An 18-year-old obese girl with newly diagnosed depressive illness is being advised to start antidepressant treatment. Which of the following is best to initiate?</b></p> <ul style="list-style-type: none"> <li>A. Bupropion</li> <li>B. Paroxetine</li> <li>C. Mirtazapine</li> </ul>	A

		D. Amitriptyline	
897	PSYCH	<p><b>93-</b> A 68-year-old woman with type-2 diabetes, neuropathy and seizures has been newly diagnosed with depressive illness. Which of the following medication would be best to initiate?</p> <p>A. Bupropion B. Duloxetine C. Paroxetine D. Amitriptyline</p>	B
898	PSYCH	<p><b>87-</b> A 27-year-old man presents with complaints of excessive checking and cleaning habits since childhood Obsessive compulsive disorder is diagnosed Which of the following is the most appropriate management?</p> <p>A. Phentermine B. Clomipramine C. Levetiracetam D. Methylphenidate</p>	B
899	PSYCH	<p><b>20-</b> Which of the following drugs that are used for mania has a narrow therapeutic index?</p> <p>A. lithium B. haloperidol C. aripiprazole D. chlobazepam</p>	A
900	PSYCHT	<p><b>19-</b> Which of the following drugs that are used for mania has a narrow therapeutic index?</p> <p>A. Lithium B. Haloperidol C. Aripiprazole D. Clonazepam</p>	A
901	PUL	<p>186- Copd category B ttt ? A- ipratropium B- Tiotropium</p>	B
902	pulm	<p><b>34-</b> what is the therapeutic use of salbutamol?</p> <p>A) antibiotic B) anti emetic C) anticoagulant D) bronchodilator</p>	D
903	pulm	<p><b>40-</b>Which of the following receptors is the main site of action for salbutamol to produce its pharmacological activity in asthma?</p> <p>A. Beta 1 agonist B. Beta 2 agonist C. Alpha 2 agonist D. Alpha 2 antagonist</p>	B

904	Pulm	<p><b>48-</b> Which agent is a powerful dilator of bronchial smooth muscle and can be used in the treatment of patients with asthma?</p> <ul style="list-style-type: none"> <li>A. phenoxybenzamine</li> <li>B. entacapone</li> <li>C. propranolol</li> <li>D. albuterol</li> </ul>	D
905	pulm	<p><b>1-</b> Which bio similar drug is approved for the treatment of moderate to severe allergic asthma?</p> <ul style="list-style-type: none"> <li>A. Infliximab</li> <li>B. Efalizumab</li> <li>C. Omalizumab</li> <li>D. Trastuzumab</li> </ul>	C
906	pulm	<p><b>53-</b> Which of the following is a side effect of albuterol?</p> <ul style="list-style-type: none"> <li>A. Convulsion</li> <li>B. Bradycardia</li> <li>C. Tachycardia</li> <li>D. Hypotension</li> </ul>	C
907	pulm	<p>244- case about status asthmaticus?  A- saba  B- laba  C- ics  D- Methylprednisolone</p>	A
908	pulm	<p>308- Medication used with exercise induce asthma ?  A-Tiotropium  B- Cromlyn  C- Cortisone  D- Salmeterol</p>	D
909	PULM	<p><b>25-</b> Which of the following is a side effect of using inhaled corticosteroids in patient with bronchial asthma?</p> <ul style="list-style-type: none"> <li>A. Tachycardia</li> <li>B. Hyperkalemia</li> <li>C. Hypoglycemia</li> </ul>	A
910	PULM	<p>324- A non-smoker patient suffers from wheezing and chest tightness, what medication he should use ?  A. B2 agonist مرضح  B. corticosteroids  C. omalizumab</p>	B نقاش
911	PULM	<p>380- A woman suffers from acute asthma attack, what is the best choice for her attack  A- Ipratropium  B- Tiotropium  C- corticosteroids</p>	C

912	PULMO	329- Patient with lab results normal except for hypokalemia (was 3 ) which is the most likely the cause ? A- inhaled corticosteroids B- Leukotriene antagonist C- Inhaled beta agonist D- Inhaled anti muscarinic	C
913	PULMO	376- case asthma classification of patient has twice cough/w and no interference with daily activity ? A. intermediate B. mild persistent C. moderate persistent D. sever persistent	A
914	REG	182- What is the maximum beyond use date of repackaged drug A. 3 months B. 6 months C. 9 months	B
915	REGU	178- Phenobarbital prescription as outpatient for how many days ? A. 30 B. 60 C. 70 D. 90	A
916	REGU	220-Narcotics prescription? A-7 days B- 3 days C-1 month D - 6 months	A
917	REGU	221-Non narcotics prescription ? A- 7 days B- 3 days C- 1 month D- 6 months	C
918	REGU	309- Patient came to the pharmacy with prescription that was prescribed 95 days ago, what should you do? A. dispense the necessary medication only B. dispense for one month only C. ask the patient for the latest prescription D. refuse dispense	C
919	REGU	311- Who can open pharmacy in saudia A. Only Saudi citizen B. Can be non Saudi but register pharmacists should be there to manage shifts C. Can be non Saudi but manager should be Saudi citizen D. D- only pharmacist can open	A

920	REGU	327- Which ministry is responsible for cases of recovery and the number of diseases during the Hajj season ? A. WHO B. SFDA C. MOHAW	C
921	REGU	374- A fresh graduate was employed by a pharmaceutical company. The company asked her to create a direct-to-consumer advertisement of one of their products that is sold in two dosages: one for prescription and one dosage is sold OTC. Soon after the advero was live the Saudi FDA contacted the company to take it down. Explain why ? A- Because direct-to-consumer advertisement is prohibited in Saudi Arabia B- Because advertisement of prescription products is prohibited in Saudi Arabia C- Because they did not pay an initial fee	B
922	REGU	7) Who is responsible to promote the health in Saudi Arabia? A. Saudi Food and Drug Authority (SFDA) B. Ministry of Education (MOE) C. Ministry of Health (MOH) D. Health Colleges	C
923	REGU	17) Which of the following best describes the structure of the healthcare systems in Saudi Arabia? A. Primary care based B. Private based care C. 3-tier system D. 2-tier system	C
924	REGU	92) Who is responsible to produce regulation for practicing health professions that include pharmacist? A. Minister of Health (MOH) B. Dean of the college of pharmacy C. Executive director of Saudi Food and drug Authority D. Board of Trustees of the Saudi Commission for Health specialties	D
925	REGU	25- Which governmental agency gives approval to generic medical enter the drug market in Saudi Arabia after completing all requirements? A) Ministry of Health (MOH) B) Ministry of Commerce (MOC) C) Saudi Food and Drug Authority (SFDA) D) Saudi Commission for Health Specialists (SCFHS)	C
926	REGU	47- Which of the following governmental bodies is responsible for diseases prevention during Hajj? A) Ministry of Health B) Saudi Health Council C) Saudi Food and drug authority	A

		<b>D) Saudi commission for Health specialists</b>	
927	REGU	<p><b>64- Which of the following local organization's primary mission is to the safety and quality of healthcare in health institution?</b></p> <p>A) Saudi central board for accreditation of healthcare institutions (CBAHI)  B) Saudi Commission for Health Specialties (SCFHS)  C) Saudi Food and Drug Authority (SFDA)  D) Saudi pharmaceutical Society (SPS)</p>	A
928	REGU	<p><b>20) Which of the following is the time after which morphine empty vials are to be discarded?</b></p> <p>A. 3 months  B. 6 months  C. 9 months  D. 12 months</p>	B
929	REGU	<p><b>21) Which of the following is the validity of diazepam prescription (in days). According to ministry of health rules and regulation?</b></p> <p>A. 3  B. 7  C. 10  D. 14</p>	B
930	REGU	<p><b>59- A pharmacist is hired as in charge of controlled medication pharmacist made inventory record for controlled medications pharmacy before the old pharmacist left.</b>  <b>Which of the following is most likely to receive the original record?</b></p> <p>A) Pharmacy  B) Hospital Administration  C) Medical Record Department  D)Saudi Food and Drug authority</p>	A
931	REN	<p><b>85- Which of the following drugs causes water retention?</b></p> <p>A) codeine  B) tramadol  C) indomethacin  D) acetaminophen</p>	C
932	RENA	<p><b>12- When to use Erythropoietin?</b></p> <p>A. iron deficiency  B. B12  C. folic acid</p>	A
933	RENA	<p><b>257- Polystyrene role ?</b>  A- ↑ ca  B- ↑ k  C- ↑ ca  D- ↑ k</p>	D

934	RENA	<p>420- Reabsorption of Amino acid in renal tubules Answer</p> <p>A. Distal convolutions B. proximal convolutions C. loop of Henle D. collecting duct</p>	B									
935	RENAL	<p>61- Which of the following medications may alter the renal function?</p> <p>A. isoniazid B. gentamicin C. acetaminophen D. cyclophosphamide</p>	B									
936	RENAL	<p>(12) What is the indication of sevelamer in a patient with chronic kidney disease?</p> <p>A) hypercalcemia B) aluminum toxicity C) hypermagnesemia D) hyperphosphatemia</p>	D									
937	renal	<p>12- An 80-year-old female patient is admitted to the hospital for pyelonephritis- With sepsis. Her past medical history includes myocardial infarction heart failure, hypertension and osteoporosis. She is initiated on trimethoprim/sulfamonomide (TMP/SMX). Her other medication includes lisinopril, digoxin, furosemide, carvedilol and calcium carbonate. Her labs are shown in the table (see lab result).</p> <table border="1"> <thead> <tr> <th>TEST</th> <th>RESULT</th> <th>NORMAL VALUE</th> </tr> </thead> <tbody> <tr> <td>BLOOD NITROGEN UREA</td> <td>8.92</td> <td>2.8-8.9 MMOL/L</td> </tr> <tr> <td>CREATININE</td> <td>81.41</td> <td>44 – 115UMOL/L</td> </tr> </tbody> </table> <p>Which of the following is the best assessment for this patient's renal function?</p> <p>A. Her SCr is in the normal range, and no dosage adjustments are necessary B. Her SCr is in the normal range but her BUN is elevated, so dosages may need to be adjusted C. Because of the pyelonephritis, she will have renal dysfunction, and dosages may need to be adjusted D. Because of her age, she will have some degree of renal dysfunction and dosage may need to be adjusted</p>	TEST	RESULT	NORMAL VALUE	BLOOD NITROGEN UREA	8.92	2.8-8.9 MMOL/L	CREATININE	81.41	44 – 115UMOL/L	A
TEST	RESULT	NORMAL VALUE										
BLOOD NITROGEN UREA	8.92	2.8-8.9 MMOL/L										
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938	RENAL	<p>59- Which of the following is a potassium-sparing diuretic?</p> <p>A. Furosemide B. Spironolactone C. Acetazolamide D. Hydrochlorothiazide</p>	B									
939	RENAL	<p>56- What is the clinical indication for Epoetin Alfa?</p> <p>A. anemia in renal failure patient B. iron deficiency anemia C. anemia in pregnancy D. sickle cell anemia</p>	A									

940	RENAL	<p><b>93- Which pharmacokinetic parameter estimates the renal function?</b></p> <ul style="list-style-type: none"> <li>A. serum creatinine</li> <li>B. intrinsic clearance</li> <li>C. blood urea nitrogen</li> <li>D. creatinine clearance</li> </ul>	D
941	RENAL	<p><b>18- Which of the following is the mechanism by which probenecid increases the duration of action of ampicillin when administered at the same time?</b></p> <ul style="list-style-type: none"> <li>A. Increasing the glomerular filtration</li> <li>B. Increasing the intestinal absorption</li> <li>C. Inhibition of renal tubular secretion</li> <li>D. Inhibition of renal tubular reabsorption</li> </ul>	C
942	RENAL	<p><b>61-which of the following is the reason why magnesium-containing antacids should be avoided in patients with renal failure?</b></p> <ul style="list-style-type: none"> <li>A. Increased renal el eased renal elimination of magnesium</li> <li>B. Decreased renal elimination of magnesium</li> <li>C. Increased magnesium absorption in renal failure</li> <li>D. Decreased magnesium absorption in renal failure</li> </ul>	B
943	RENAL	<p><b>34- target hemoglobin in kidney disease on Darbepoetin?</b> A- 10-12</p>	
944	RENAL	<p><b>241-treatment of metabolic alkalosis ?</b></p> <ul style="list-style-type: none"> <li>A. ca carbonate</li> <li>B. saline .9</li> <li>C. ringer lactate</li> <li>D. dopamine iv</li> </ul>	C
945	RENAL	<p><b>259- Which of the following prevent renal injury ?</b> A- Vit C B- Vit D C- i.v fluid</p>	C
946	RENAL	<p><b>261- Metabolic acidosis what is increase ?</b> A- Pco2 B- CO2 C- COH</p>	B
947	RENAL	<p><b>262- Metabolic acidosis what is decrease ?</b> A- Pco2 B- HCO3 C- CO2</p>	B
948	RENAL	<p><b>303-Pt wit metabolic alkalosis and edema use ?</b> A- ringer B- isotonic C- acetazolamide</p>	C

949	RENAL	<p>335- Estimating GFR using Creatinine clearance Cockcroft-Gault equation is used for which patients ?</p> <ul style="list-style-type: none"> <li>A. Pts on dialysis</li> <li>B. Pts with AKI</li> <li>C. Pts with normal kidney function</li> <li>D. Pts with stable CKD</li> </ul>	D
950	RENAL	<p>379- Why thiazide not recommended in kidney pt ?</p> <ul style="list-style-type: none"> <li>A. Because expensive</li> <li>B. Not used in case of kidney impairment</li> <li>C. Cause depletion in K &amp; NA</li> </ul>	B
951	RENAL	<p>385- In to ICU, what is the best thing to do in order to evaluate the kidney function?</p> <ul style="list-style-type: none"> <li>A. BUN and urine volume</li> <li>B. quantity on a daily basis</li> <li>C. urinalysis</li> </ul>	A
952	RENAL	<p><b>82-</b> A 70-year-old man has been prescribed several medications by the physician, which are eliminated by kidney. His body is 80 Kg and serum creatinine is 0.194 mmol/l (2.2 mg/dl).Which of the following equation is most appropriate to calculate his creatinine clearance?</p> <ul style="list-style-type: none"> <li>A. Schwartz</li> <li>B. Shull et al</li> <li>C. Counahan-Barratt</li> <li>D. Cockroft and Gault</li> </ul>	D
953	RHEU	<p><b>89)</b> Which of the following drugs used in rheumatoid arthritics can be dosed once a week?</p> <ul style="list-style-type: none"> <li>A) hydroxychloroquine</li> <li>B) methotrexate</li> <li>C) sulfasalazine</li> <li>D) prednisone</li> </ul>	B
954	RHEU	<p><b>(6)</b> A 68-year-old man was diagnosed with rheumatoid arthritis 1 month ago. He has high disease activity as per the patient activity scale a eposions on radiograph. A trial of non-pharmacologic therapy is ineffective.</p> <p>Which of the following is the best drug therapy?</p> <ul style="list-style-type: none"> <li>A) hydroxylchloroquine</li> <li>B) mercaptopurine</li> <li>C) adalimumab</li> <li>D) abatacept</li> </ul>	A
955	RHUM	<p>5) A 73-year-old man is diagnosed with osteoarthritis of the knee. Which of the following is the best initial therapy?</p> <ul style="list-style-type: none"> <li>A) Ibuprofen</li> <li>B) Gabapentin</li> <li>C) Acetaminophen</li> <li>D) Glucosamine sulfate</li> </ul> <p>N.B:-</p>	C

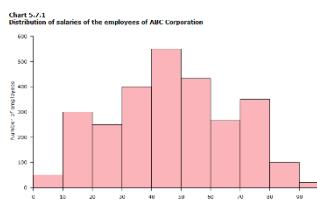
		<b>Acetaminophen should be used as first-line therapy for mild osteoarthritis. Nonsteroidal anti-inflammatory drugs are superior to acetaminophen for treating moderate to severe osteoarthritis.</b>	
956	RHUM	<p><b>36- Rheumatoid arthritis take methotrexate and still not improved after 3 months ?</b></p> <p>A. add Adalimumab and abatacept B. add HCQ (Hydroxychloroquine) C. continue methotrexate D. Dswitch to another medication</p>	B
957	RHUM	<p><b>85- Methotrexate contraindication in?</b></p> <p>A - Pediatric B - Osteoporosis C- Breastfeeding D- Heart Failure</p>	C
958	rhum	<p>patient age 70 has rheumatoid arthritis disease severity mild and took methotrexate for 3 months after that the patient disease progressed to moderate, what to do ?</p> <p>A- continue methotrexate B- add hydroxychloroquin C- start abatacept D- start adalimumab + abatacept</p>	B
959	SAFTY	<p><b>16) Which of the following medication error is difficult to prevent?</b></p> <p>A. Omission error B. Wrong time error C. Incorrect duration of treatment D. Allergic reactions to an unknown patient</p>	D
960	SAFTY	<p><b>42) Which of following prescriptions may have a potential to cause medication error ?</b></p> <p>A. Amlodipine 5.0 mg PO OD B. Thyroxin 25 mcg PO daily C. Acetaminophen 500mg PO TID D. Regular insulin 5 units subcutaneously STAT</p>	A
961	SAFTY	<p><b>39)-A patient medication was changed from carbamazepine to phenytoin The technician pulled the 100 mg tablets of phenobarbital off instead of the 30 mg tablets. The pharmacist did not notice that when the prescription was checked.</b></p> <p>The patient received a higher phenobarbital and was hospitalized for few days for observation.</p> <p><b>Which of the following is the best statement concerning this situation?</b></p> <p>A) This is considered as adverse drug reaction B) The physician should have informed the pharmacist about prescription's change C) The patient should be aware of what he was prescribed and the difference D) This is preventable medication error if the pharmacy in safety measures</p>	D

962	safty	<p><b>69- An ambulatory care pharmacist received a prescription for (liraglutide) (REMS), from Bariatric Endocrine consultant as per medication under (REMS) should be provided to the patient with documents.</b></p> <p><b>Which of the following is the meaning of (REMS) beside the name?</b></p> <ul style="list-style-type: none"> <li>A) This medication has teratogenicity effect</li> <li>B) This medication is under (restriction and evaluation medication Strategy)</li> <li>C) This medication is under (Risk Evaluation and Mitigation)</li> <li>D)This medication is under (Restriction Evaluation Medication)</li> </ul>	C
963	SAFTY HZD	<p><b>28-Which of the following drugs require extra precautions during handing to ensure medication safety?</b></p> <ul style="list-style-type: none"> <li>A. Methotrexate</li> <li>B. Potassium</li> <li>C. Dopamine</li> <li>D. Thiamine</li> </ul>	A
964	SAFTY	<p><b>42-Which of the following effects is considered an adverse drug reaction related to extension of drug's pharmacological action?</b></p> <ul style="list-style-type: none"> <li>A. Hypotension with nifedipine</li> <li>B. Hepatic necrosis with acetaminophen</li> <li>C. Dry mouth with tricyclic antidepressants</li> <li>D. Interstitial nephritis secondary to penicillin</li> </ul>	D
965	SAFTY	<p><b>55- To ensure safe and proper disposal of hazardous waste, a color- coded system was created. Which of the following colors is the color of hazardous waste containers?</b></p> <ul style="list-style-type: none"> <li>A. red</li> <li>B. blue</li> <li>C. yellow</li> <li>D. orange</li> </ul>	C
966	SAFTY	<p><b>51- A patient came to the pharmacy returning phenytoin 30 mg suspension bottles. He explained that when he opened the second after consuming the first one, he noticed the solution has different. The pharmacist dispensed another bottle to the patient and the event in the patient profile.</b></p> <p><b>Which one of the following reports the pharmacist show product?</b></p> <ul style="list-style-type: none"> <li>A) Opportunity Report form</li> <li>B) Quality Defects Reporting Form</li> <li>C) Adverse Drug Event Reporting Form</li> <li>D) Medication Returned by patient form</li> </ul>	B
967	SAFTY	<p><b>125- Which the following is needs a double check ?</b></p> <p>A- Anti inflammatory B- Anti depression C- Anti thrombosis D- Antibiotics</p>	C

968	SAFTY	<p>153- Which of the Following is required to consider an adverse drugs event report</p> <ul style="list-style-type: none"> <li>A. drugs dose</li> <li>B. patients tall</li> <li>C. event name</li> <li>D. reports phone</li> </ul>	C
969	SAFTY	<p>166- Most source of infection in sterile area is ??</p> <ul style="list-style-type: none"> <li>A. People</li> <li>B. roof</li> <li>C. table</li> <li>D. equipment</li> </ul>	A
970	SAFTY	<p>170- What is the most high risk when happen error?</p> <ul style="list-style-type: none"> <li>A. Look Like Medication</li> <li>B. High Alert Medication</li> <li>C. Sound Like Medication</li> </ul>	B
971	SAFTY	<p>299- How is first one to prevent medication error ?</p> <p>A- Pharmacist B- Nurse C- Doctor D- Patient</p>	A
972	SAFTY	<p>322- ding a patient centered pharmaceutical care clinic. What is the difference between errors and violations options?</p> <ul style="list-style-type: none"> <li>A. Errors are common but violations are rare</li> <li>B. Errors can be corrected but violations cannot be corrected</li> <li>C. Errors are made by experienced professionals, but violations are made by inexperienced professionals</li> </ul>	B
973	SAFTY	<p>343- which of the following systems can be integrated with computerized physician order entry to guide physician during prescribing medications ?</p> <ul style="list-style-type: none"> <li>A. Smart plumbs</li> <li>B. barcode systems</li> <li>C. Electronic distribution cabinets</li> <li>D. Clinical decision support system</li> </ul>	D
974	SAFTY	<p>406- A nurse ordered epinephrine from the pharmacy, 15 minutes later she called the pharmacy and no one answered. Then she took a vial form the crash cart and prepared it for the patient herself and administered safely to the patient. What did this nurse do wrong ?</p> <ul style="list-style-type: none"> <li>A. prepare the medication herself</li> <li>B. Used the crash cart for non-emergency cases</li> <li>C. There was a high chance of error</li> </ul>	A
975	SAFTY	<p>57- Which of the following substances is used to disinfect gloves during compounding sterile products?</p> <ul style="list-style-type: none"> <li>A. liquid soap</li> <li>B. 70% isopropyl alcohol</li> </ul>	B

		C. sodium hypochlorite 5% D. sulfuric acid and nitric acid (3:1)	
976	SAFTY	35) Which of the following is required to consider an adverse drug event report a valid report?  A. Drug dose B. Patients tall C. Event name D. Reporter's phone	C
977	SAFTY	76- Which of the following method is successful in reducing medication error and enhance patient safety in hospitals?  A. Performing continuous education sessions on safe dispensing B. Providing the pharmacy with the most updated drug references C. Implementation of computerized physician order entry (CPOE) system D. Encourage medical staff to participate in conferences and scientific meetings regular	C
978	SAFTY	(1) Which of the following error detection strategies result in limiting detection?  A) bar-coding B) trigger tools C) voluntary reporting D) mandatory reporting	D
979	SAFTY	95- A patient is admitted to the hospital for the treatment of atrial fibrillation.  During hospital stay, the patient receives IV diltiazem was discharge on oral diltiazem plus his previous antihypertensive medication verapamil.  Which of the following medication error-reduction programs Would most likely have helped to prevent this duplication of therapy?  A. Bar Coding B. High-Risk Drug Protocol C. Medication Reconciliation D. Computerized physician order entry	C
980	SHOCK	9) A 25-years-old male is admitted due to hypersensitivity reaction to some drug ingestion four hours ago. Patient is given a drug which causes dilation of vessels in muscle ,constriction of cutaneous vessels ,and positive inotropic and chronotropic effects on the heart  Which of the following is the most likely drug given?  A. Adrenaline B. Isoproterenol C. Acetylcholine D. Metaproterenol	A
981	SHOCK	(46) Which of following is a vasopressor that is given in a fixed dose without titration for patients with septic shock?  A. dopamine B. vasopressin C. epinephrine	B

		D. norepinephrine	
982	SHOCK	383- Septic shock patient unresponsive to Fluid and CKD what will you Give? A. vasopressin B. dopamine C. Norephenhrine	B
983	SHOCK	419- which of the following treatment Anaphylaxis shock ? A. Monotherapy B. Triple Therapy C. binary therapy  1)Epinephrine 2)corticosteroid 3)Antihistamine	B
984	SKIN	3) A 7-year-old girl is brought to the clinic with complain of itchy scalp. Examination shows lice infestation.  What is the best management? A) permethrin B) magic mouth wash C) ketoconazole shampoo D) dimethicone lotion  N.B:-100 % dimethicone was found to be a safe and highly effective treatment for pediatric head lice. Because dimethicone avoids pesticide exposure and resistance issues, dimethicone should be considered as a first-line treatment for head lice	D
985	SKIN	33-A 16-years old girl present with severe recalcitrant nodular acne Which of the following drugs is recommended for treatment? A. Estrogen B. Isotretinoin C. Clindamycin 1% D. Tretinoiin 0.05%	B
986	STAT	264- What's ( Z ) in statistics ? A- dependent B- independent C- sample size D- standard score or standard deviations	D

987	STAT	<p>289- Animal reproduction studies have shown an adverse effect on the fetus and there are no adequate and well-controlled studies in humans,28- p value ?</p> <p>A- &gt; significant clinical B- &lt; significant statical C- &gt; significant statical D- &lt; significant clinical</p>	B
988	STAT	<p>76) Which one of the following measures can be classified as a central tendency?</p> <p>A) Confidence interval B) Standard deviation C) Sampling error D) Validity</p>	B
989	STAT	<p>61- researcher reported the data (see image). What is the name of this chart?</p> <p>A) Pie chart B) Histogram C) Forest plot D) Funnel plot</p> 	B
990	STAT	<p>10) From the following data of the height in cm of 11 pediatric patients: 103, 107, 110, 124, 129, 131, 136, 140, 142, 145, 150</p> <p>What does the value (131) represent?</p> <p>A. Mode B. Mean C. Median D. Confidence interval</p>	C
991	STAT	<p>(4) In statistical testing:</p> <p>Which of the following is the interpretation of the result of a statistical test denoted P?</p> <p>A) the null hypothesis HO is rejected if <math>P &gt; 0.05</math> B) the null hypothesis HO is accepted if <math>P &lt; 0.05</math> C) the null hypothesis HO is rejected if <math>p &lt; 0.05</math> D) the null hypothesis HO is accepted if <math>p &gt; 0.05</math></p>	D.C
992	STAT	<p>(7) 4 Which of the following is used to determine the significance of the result?</p> <p>A) p value B) odds ratio C) hazard risk D) relative risk</p>	A
993	STAT	<p>35- Which of the following reflect the significance of sample evidence?</p> <p>A) The p-value B) The F-ratio C) Value of alpha D) The importance of the sample</p>	A

994	STAT	<p><b>57- Which of the following is the interpretation of a P-value of 0.05?</b></p> <p>A) There is 0.05% probability that the result is due to random chance      B) There is 5% probability that the results are due to random      C) There is 50% probability that the results are due to random      D) There is 95% probability that the results are due to random</p>	B
995	STEROID	<p><b>37- Which of the following best describes prednisone pharmacological activity?</b></p> <p>A. A uricosuric agent      B. An anesthetic agent      C. An antipyretic agent      D. An anti-inflammatory agent</p>	D
996	STEROID	<p><b>17- Which of the following glucocorticoids has the lowest potency?</b></p> <p>A. Prednisone      B. Triamcinolone      C. Hydrocortisone      D. Dexamethasone</p>	C
997	STEROID	<p><b>74- Which of the following exhibits highest anti-inflammatory Potency?</b></p> <p>A. prednisone      B. triamcinolone      C. hydrocortisone      D. betamethasone</p>	D
998	STUDAY	<p><b>2) Which of the following is the disadvantage of conducting randomized controlled trial ?</b></p> <p>A. Expensive      B. High possibility of bias      C. Difficult to control confounders      D. Cannot be used for hypothesis testing</p>	A
999	STUDAY	<p><b>8) Which of the following is the type of studies considers data from multiple studies of different designs to draw conclusions ?</b></p> <p>A. Case Series      B. Double-blind study      C. Systematic review      D. Consensus statement</p>	C
1000	STUDAY	<p><b>29) The authors report two isolated gastro-intestinal tuberculosis in renal transplant recipients that illustrates the difficulty of making this diagnosis and a brief review of the literature on its clinical presentation, diagnosis and therapeutic approach.</b></p> <p><b>What is the type of study in the above-mentioned abstract?</b></p> <p>A. Case-series      B. Cohort studies      C. Case-control studies      D. Cross-sectional studies</p>	A

1001	STUDAY	<p><b>38) Scenario:</b> A study located a group of subjects with lymphoma and went to identify which subjects are smokers and which are not.</p> <p>Which of the following study designs is used to conduct the study in the scenario?</p> <ul style="list-style-type: none"> <li>A. Case-series</li> <li>B. Cross-sectional study</li> <li>C. Prospective cohort study</li> <li>D. Retrospective cohort study</li> </ul>	d
1002	STUDAY	<p><b>69-</b> A group of patients with diabetes were interviewed to determine they are currently eating fast food or not. Which epidemiological study design is this?</p> <ul style="list-style-type: none"> <li>A. Cohort</li> <li>B. Case-control</li> <li>C. Cross-sectional</li> <li>D. Randomized control trial</li> </ul>	C
1003	STUDAY	<p><b>72-</b> Which of the following study design is the best to use to assess the awareness on the usage of vitamin D supplements among people of Jeddah</p> <ul style="list-style-type: none"> <li>A. Cohort study</li> <li>B. Case report study</li> <li>C. Case control study</li> <li>D. Cross sectiona study</li> </ul>	D
1004	STUDAY	<p><b>50- Which of the following situation demonstrates a direct association pharmacoepidemiologic study?</b></p> <ul style="list-style-type: none"> <li>A) The study reveals that it is not a false association</li> <li>B) The regression provides misleading statistical evidence</li> <li>C) The association between two variables is a result of another</li> <li>D) The association between the two attributes is not through attributes</li> </ul>	C
1005	STUDY	<p><b>Which of following studies are more susceptible to recall bias?</b></p> <ul style="list-style-type: none"> <li>A. Retrospective cohort</li> <li>B. Prospective cohort study</li> <li>C. Randomized controlled trial</li> <li>D. Non-randomized controlled trial</li> </ul>	A
1006	STUDY	<p><b>45) Which Of the following studies represent cost-effectiveness analyses study?</b></p> <ul style="list-style-type: none"> <li>A. Comparing costs for 2 therapeutically equivalent products</li> <li>B. Comparing costs and savings of a pharmacist serves versus</li> <li>C. Comparing patients achieving control as the outcome for 2 anti-hyperglycemic drugs</li> <li>D. Comparison of costs of 2 chemotherapy regime with the cost C using best supportive care</li> </ul>	C
1007	STUDY	<p><b>51) Which of the following terms measures the association between the exposure and the outcome?</b></p> <ul style="list-style-type: none"> <li>A. P value</li> <li>B. Risk ratio</li> <li>C. Standard deviation</li> </ul>	B

		D. Confidence interval	
1008	STUDY	<p>85- In pharmacoconomic studies, the costs (inputs) for types of analyses are measured in dollars but the pharmacoeconomic method selected will depend on how the outcomes are measured.</p> <p>Which of the following analysis described the method when patient preferences for alternative treatments are being considered as the outcome?</p> <ul style="list-style-type: none"> <li>A. Cost-Minimization</li> <li>B. Cost-Effectiveness</li> <li>C. Cost-Benefit</li> <li>D. Cost-Utility</li> </ul>	D
1009	STUDY	<p>89- A researcher gathered all vitamin E studies from past ten years. Vitamin E was used for a variety of condition. The populations studied as well as the vitamin E formulations and doses were all different. The researcher compared the incidences of cardiovascular-related mortality in those taking vitamin E supplements versus those that did not.</p> <p>Which of the following best describe this type of study?</p> <ul style="list-style-type: none"> <li>A) Meta analysis</li> <li>B) Cohort study</li> <li>C) Observational study</li> <li>D) Controlled clinical trial</li> </ul>	B
1010	STUDY	<p>43- If a study is to follow a group of smokers and a group of nonsmoker's time, and see which ones eventually develop lymphoma and which. What do you call this study design?</p> <ul style="list-style-type: none"> <li>A) Retrospective cohort study</li> <li>B) Prospective cohort study</li> <li>C) Cross-sectional study</li> <li>D) Case-series</li> </ul>	B
1011	STUDY	<p>63- Which of the following is an intervention study?</p> <ul style="list-style-type: none"> <li>A) Cohort</li> <li>B) Ecological</li> <li>C) Case-Control</li> <li>D) Randomized Clinical Trial</li> </ul>	D
1012	STUDY	<p>78- Researchers compare a group of people who have diabetes with of people who have no diabetes, and looks back in time to see characteristics of the two groups differ. Which of the following is the described study design?</p> <ul style="list-style-type: none"> <li>A) Prospective cohort</li> <li>B) Case-Control</li> <li>C) Experimental</li> <li>D) Randomized clinical</li> </ul>	B

1013	STUDY	<p><b>80-</b> Which of the following is the appropriate defined pharmacoepidemiology?</p> <p>A) The study of chronic diseases      B) The study of infectious diseases in large populations (Epidemiology)      C) The study of the use of and effects of drugs in large number people      D) The study of the distribution and determinants of diseases populations</p>	C
1014	STUDY	<p><b>81-</b> A study that investigate if drinking coffee led to coronary hear found that there is a correlation between two variables. However, drinkers are more often smokers than the average and, correlation between drinking coffee and nicotine consumption, strong causal correlation between smoking and the incidence of heart disease.</p> <p>Which of the flowing type of bias affect this study results?</p> <p>A) Measurement errors      B) Hawthorne effect      C) Information bias      D) Confounding</p>	D
1015	STUDY	<p><b>13-</b> which of the following section of a research paper describes the aims and objectives?</p> <p>A. Method      B. Discussion      C. Introduction      D. Date analysis</p>	C
1016	STUDY	<p><b>55)</b>      In 2017, a research paper published in NEJM" found that the canagliflozin, an antidiabetic drug belongs to SGLT2 cardiovascular renal, hospitalization, and death events were the figure (see image). Which one of the following statements is correct bearing in mind of Canagliflozin?</p> <p>A) Exacerbates albuminuria      B) Causes cardiovascular deaths      C) Increases the chance of fatal strokes      D) Has protective effect against cardiovascular deaths</p>	D
1017	STUDY	<p>57- which of fallowing statement study about rare disease.      A- case control</p>	
1018	STUDY	<p>65- observational study about relation between someone who eats fatty food and obesity ?      A- Association      B - causality</p>	A

1019	STUDY	80- 1study that investigate if drinking coffee led to coronary hear found that there is a correlation between two variables. However, drinkers are more often smokers than the average and, correlation between drinking coffee and nicotine consumption, strong causal correlation between smoking and the incidence of heart disease. Which of the flowing type of bias affect this study results ? A. Measurement B. Information Bias C. Confounding	D
1020	STUDY	102- The authors report two isolated gastro- intestinal tuberculosis in renal transplant recipients that illustrates the difficulty of making this diagnosis and a brief review of the literature on its clinical presentation, diagnosis and therapeutic approach. What is the type of study in the above mentioned abstract ? A. Case-Series B. Cohort Studies C. Case-Control Studies D. Cross-Sectional Studies	A
1021	STUDY	276-The best study design to determine side effects of drugs ? A- case control B- Cohort study C- systemic review D- randomized control trial	C
1022	STUDY	277- which the best study design to the rare disease A- case control B- Cohort study C- systemic review D- case series	A
1023	STUDY	278- which the best Study with risk factor? A. case control B. Cohort study C. Prospective cohort study D. case series	b
1024	STUDY	392- A study is considered if ? A. If you get approval from the Ethics Committee B. If you rely on numbers C. Volunteer Consent	A
1025	STUDY	<b>32) Which of the following population is studied in phase I clinical trial ?</b> <b>A) Healthy participants</b> <b>B) Patients with single disease</b> <b>C) Patients with multiple diseases</b> <b>D) Patients in real world practice</b>	A

1026	STYDY	<p>49- Which one of the following designs could be deemed a study?</p> <p>A) Cohort B) Clinical trials C) Case-control D) Cross-sectional</p>	B
1027	ther	<p>73- Patient has burn in finger?</p> <p>A. Ice B. ointment C. running water</p> <p>burning: Ginger, cool water, Note: Natural products of honey, coconut oil, vinegar</p>	C
1028	THER	<p>(38) A 33-year-old woman with no underlying medical condition came to a clinic in with complaints of dysuria, urinary frequency and urgency, and suprapubic tenderness. She was diagnosed with urinary tract infection and treated with trimethoprim/sulfamethoxazole.</p> <p>Which of the following is an objective parameter to assess the effectiveness of drug therapy?</p> <p>A. resolution of back pain B. decrease in cough frequency C. improved ability to concentrate D. normalization of white blood cells</p>	D
1029	THER	<p>53) A 3-year-old girl with symptoms of caught for the past 2 days came to the clinic with her mother. She has no fever and no other symptoms. Which of the following is the appropriate recommendation?</p> <p>A. Vicks B. Honey C. Diphenhydramine D. Dextromethorphan</p>	B
1030	THER	<p>7- which of the following lifestyle measures help in reducing chronic constipation?</p> <p>A. Increasing physical activity B. Taking iron supplementation C. Drinking 4-5 cups of coffee daily D. Consuming more protein especially red meat</p>	A
1031	THER	<p>29-A 48-year-old man patient is receiving parenteral nutrition (PN) at the following intravenous rate of infusion on daily basis: At 21:00 start PN at a rate of 40 ml/hr x 1 Hr At 22:00 increase Pn to a rate of 80 ml/Hr x 12 Hr At 10:00 reduce PN to a rate of 40 ml/Hr x1 Hr At 11:00 stop PN</p> <p>Which of the following best describes the mode of PN administration in this patient?</p> <p>A. Continues PN B. Peripheral PN C. Home PN D. Cyclic PN</p>	D

1032	THER	<p><b>92-</b> Which of the following is the best treatment for a 75 year-old woman with urinary incontinence?</p> <ul style="list-style-type: none"> <li>A. Imipramine</li> <li>B. Oxybutynin</li> <li>C. Duloxetine</li> <li>D. Doxazosin</li> </ul>	B
1033	THER	<p><b>20-</b> Which of the following vitamins deficiencies lead to stomatitis?</p> <ul style="list-style-type: none"> <li>A. A</li> <li>B. B (B2)</li> <li>C. D</li> <li>D. E</li> </ul>	B
1034	THER	<p><b>48-</b> Which of the following drug can be used to treat myasthenia gravis?</p> <ul style="list-style-type: none"> <li>A. Chloroprocaine</li> <li>B. Pyridostigmine</li> <li>C. Rapamycin</li> <li>D. Nadolol</li> </ul>	B
1035	THER	<p><b>9-</b> What is the clinical use for acetylcysteine?</p> <ul style="list-style-type: none"> <li>A. Cough suppressant</li> <li>B. Hemostatic</li> <li>C. Mucolytic</li> <li>D. Laxative</li> </ul>	C
1036	THER	<p><b>68-</b> Which of the following conditions is treated with desmopressin?</p> <ul style="list-style-type: none"> <li>A. psoriasis</li> <li>B. endometriosis</li> <li>C. nocturnal enuresis</li> <li>D. attention deficit disorder</li> </ul>	C
1037	THER	<p><b>32-</b> A 37-year-old man presents with tinnitus and transient hearing loss. Meniere's disease is diagnosed. Which of the following is the most appropriate management?</p> <ul style="list-style-type: none"> <li>A. cycloserine</li> <li>B. flucytosine</li> <li>C. betahistine</li> <li>D. diphenoxylate</li> </ul>	C
1038	THER	<p><b>65-</b> Which of the following is the most common side effect of diphenhydramine (Benadryl)?</p> <ul style="list-style-type: none"> <li>A. cough</li> <li>B. angina</li> <li>C. diarrhea</li> <li>D. drowsiness</li> </ul>	D
1039	THER	<p><b>95-</b> A 300 mg of the herbal medicine Aesculus (Horse Chestnut) tablet contains 22% of aescin. Which of the following disease can be treated effectively with this pharmaceutical preparation?</p> <ul style="list-style-type: none"> <li>A. hemorrhoids</li> <li>B. gastric ulcer</li> </ul>	A

		C. cardiac arrhythmias D. irritable bowel syndrome																									
1040	THER	39- Which of the following vitamin deficiency causes Pellagra disease?  A. Niacin (vit b3) B. Biotin C. Riboflavin D. Cyanocobalamin	A																								
1041	THER	72-which of the following statements best describes drug dependence?  A) discontinuation of the drug will produce withdrawal symptoms B) action of one drug is dependent on the presence of another drug C) discontinuation of the drug will not produce withdrawal symptoms D) patients progressively require Increasingly larger doses of drug to achieve the same effect	A																								
1042	THER	(14) Which of the following increases the risk of aspiration during enteral feeding administration?  A. continuous feeding regimens B. high gastric residual prior to feeding C. feeding with high-carbohydrate content D. feeding a patient while in the upright position	B																								
1043	THER	51- A 26-year-old woman, part of the national swimming team, complains of lack of energy for couple of months. The training sessions are now becoming more challenging for her. She eats a balanced vegetation diet. She has experienced heavy menstrual bleeding in the last year (see lab results).  <table border="1"> <thead> <tr> <th>Test</th> <th>Result</th> <th>Normal value</th> </tr> </thead> <tbody> <tr> <td>Hgb</td> <td>9</td> <td>120-160 g/l</td> </tr> <tr> <td>MCH</td> <td>22</td> <td>28-33pg/cell</td> </tr> <tr> <td>MCV</td> <td>70</td> <td>80 -95 fl</td> </tr> <tr> <td>Reticulocyte</td> <td>0.2</td> <td>0.2-1.2%</td> </tr> <tr> <td>Platelets count</td> <td>350</td> <td>150-400*10<sup>9</sup>/L</td> </tr> <tr> <td>WBC</td> <td>5</td> <td>4.5-10.5*10<sup>9</sup>/L</td> </tr> <tr> <td>Total iron binding capacity</td> <td>65</td> <td>9-30.4 umol/L</td> </tr> </tbody> </table> What would be the best recommendation? A. Iron tablets with ascorbic acid B. Iron tablets on an empty stomach C. Slow-release iron tablets with food D. Iron tablets with a cup of coffee or tea  N.B:-ascorbic acid(vit c) facilitate absorption of iron	Test	Result	Normal value	Hgb	9	120-160 g/l	MCH	22	28-33pg/cell	MCV	70	80 -95 fl	Reticulocyte	0.2	0.2-1.2%	Platelets count	350	150-400*10 <sup>9</sup> /L	WBC	5	4.5-10.5*10 <sup>9</sup> /L	Total iron binding capacity	65	9-30.4 umol/L	A
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1044	THER	225- Stomatitis due to deficiency ? A- vit c B- vit B2 C- vit E ????	B
1045	THER	290-what is the drugs we do not give old people ? A- amlodipine B- metoprolol C- Metoclopramide	C
1046	THER	305- On of the following medications is not affecting the potassium level ? A- salbutamol B- digoxin C- insulin D- sodium polystyrene sulfonate E- fosinopril	B
1047	THER	312-Before dispensing of TPN which drug should be discontinued? A- Propofol B- dexmetomidine C- glycylcycline (tetracycline) C- Fentanyl	C
1048	THER	313- Patient is with difficulty in urine, he was previously with urine incontinence, he is feeling dizziness and hypertensive, his bp is 140/90. He is taking Lisinopril, HCTZ and Oxybutynin, which is possible intervention ? A. DC Oxybutynin B. DC lisinopril and Oxy C. DC HCTZ and Oxy D. Continue all	A ارشح
1049	THER	398- Pt has HTN, DM, Asthma and he came because he has a cough and wheezing, and high blood glucose. What will you treat first ? A. Asthma then DM then HTN B. DM then asthma then HTN C. HTN then Asthma then DM	A
1050	THER	418- Pt has crohn's disease he takes Sulfasalazine But the symptoms gets worse what is the best option to ? A. Cyclosporine B. Acetaminophen C. Prednisone	C
1051	THER	<b>44- A 74-year-old man with chest infection is admitted to a teaching.</b> <b>The patient requires chest an X-ray. The chief resident bronchoscopy to be conducted. One of her reasons for this decision allow an inexperienced intern to practice this technical procedure.</b> <b>Which of the following describes his action?</b> A) Individual patients are not obligated to participate in the society's future physicians, but if the patients agree, it is	D

		<p>B) Good as this is a teaching hospital and the student have these skills to function effectively as physicians</p> <p>C) Procedures involving any risk should be performed only for diagnostic or therapeutic purposes but not teaching</p> <p>D) The senior physician should remain present when inexpert students make this procedure</p>	
1052	THERA	<p><b>88- Which one of the following side effects is associated with bisphosphonates use?</b></p> <p>A. headache B. blurred vision C. hypotension D. osteonecrosis of the jaw</p>	D
1053	THERA	<p>old patient has HF and HTN and he has runny nose and other symptoms What is the best analgesic ?</p> <p>A. Diclofenac and diphenhydramine B. Diclofenac and loratadine C. paracetamol and pseudoephedrine D. paracetamol and Oxymetazoline</p>	D
1054	THRT	<p><b>43) A 56-year-old farmer man has a significant history of animal contacts (goats and sheep) complains. Of low-grade fever (on/off) for 3 months, lethargy, anorexia, cough and weight loss. He seeks a medical advice from a pharmacist at local pharmacy in the village. He asks for over the counter (OTC) medications for his illness. Which of the following is the most appropriate recommendation?</b></p> <p>A. doxycycline plus paracetamol for possible brucellosis B. refer him to the nearest hospital for further investigation C. ibuprofen 400 mg PO bid after food for 7 days for his fever D. paracetamol 500 mg PO PRN until subsidence of his symptoms</p>	B
1055	TOXI	<p><b>93) Which of the following toxins can be used therapeutically?</b></p> <p>A. aflatoxin B. saxitoxin C. α-bungarotoxin D. botulinum toxin</p>	D
1056	TOXI	<p><b>94- A 60-year-old man presents with profound hypotension and tachycardia. He has been on nifedipine for hypertension and accidentally took the overdose of it.</b></p> <p><b>Which of the following is the most appropriate management?</b></p> <p>A. normal saline B. insulin-dextrose C. calcium gluconate D. potassium chloride</p>	C
1057	TOXI	<p><b>98- A 2-year-old boy was found with an empty bottle of 100 chewable multivitamins. Each tablet contained 18 mg iron. He is asymptomatic at time of presentation to the emergency department.</b></p> <p><b>Which of the following methods of gastrointestinal decontamination would be most appropriate?</b></p>	C

		A. gastric lavage B. activated charcoal C. whole bowel irrigation D. multi-dose activated charcoal							
1058	TOXI	18- Which of the following is the most likely mechanism of carbon monoxide poisoning?  A. Inhibits the gag reflex B. Paralyzes the muscles of the diaphragm C. Decreases the oxygen-carrying capacity of the blood D. Reacts with amino acids in the body to form ammonia	C						
1059	TOXI	19- Which detoxification pathway is active paracetamol toxicity?  A. Oxidation B. Reduction C. Conjugation with glucuronide D. CYP-450 dependent glutathione	D						
1060	TOXI	99- Which of the following is the antidote for cholinesterase inhibitor mild toxicity?  A. atropine B. carnitine C. deferoxamine D. sodium thiosulfate	A						
1061	TOXI	3- Which of the following is the most likely mechanism of carbon monoxide poisoning?  A. inhibits the gag reflex B. paralyzes the muscles of the diaphragm C. Decreases the oxygen-carrying capacity of the blood D. reacts withh amino acids in the body to form ammonia	C						
1062	TOXI	23- A 12-year-old boy is brought to the Emergency with complaints of inability to open eyes and difficulty in breathing. History revealed snake bite.  Examination shows anxious, tachycardia and tachypnea, bilateral ptosis, no bite mark seen and no swelling of the limb (see lab result).  <table border="1"> <thead> <tr> <th>TEST</th> <th>RESULTE</th> <th>NORMAL VALUE</th> </tr> </thead> <tbody> <tr> <td>CLOTTING TIME</td> <td>20</td> <td>5-10 MIN</td> </tr> </tbody> </table> Which of the following is the next course of action?  A. keep the patient under observation B. reassure the patient and send home with anxiolytic C. give Anti-snake venom (ASV) plus Neostigmine and keep under observation D. give Anti-snake venom (ASV) and keep under observation	TEST	RESULTE	NORMAL VALUE	CLOTTING TIME	20	5-10 MIN	C
TEST	RESULTE	NORMAL VALUE							
CLOTTING TIME	20	5-10 MIN							
1063	TOXI	34- Which of the following drugs/substance would exacerbate the poisoning effects of acetaminophen?  A. Ethanol B. Cimetidine C. Valproic acid (cause hepatic failure)	A						

		<b>D. Norethindrone</b>	
1064	TOXI	<p><b>50-</b> A 62-year-old patient, otherwise healthy, was brought to the Emergency Department in a confused state after ingesting one green fruit of castor bean two hours ago. He had vomit once at home. He had dryness of mouth and the pupils were bilaterally dilated with sluggish reaction to light. He was treated symptomatically with activated charcoal. Which of the following is the main active constituent responsible for the toxic effect of castor seeds?</p> <ul style="list-style-type: none"> <li>A. Ricin</li> <li>B. Barbaloin</li> <li>C. Mezerein</li> <li>D. Ergotamine</li> </ul>	A
1065	TOXI	<p><b>80-</b> The graph represents a quantal dose-response curve of a drug (see image) What is the median lethal dose (LD50) of the drug?</p> <ul style="list-style-type: none"> <li>A. 5</li> <li>B. 10</li> <li>C. 20</li> <li>D. 50</li> </ul>	20
1066	TOXI	<p><b>164-</b> Which electrolyte disturbance lead to digoxin toxicity ?</p> <ul style="list-style-type: none"> <li>A. Na</li> <li>B. K</li> <li>C. Mg</li> <li>D. Ca</li> </ul>	B
1067	TOXI	<p><b>207-</b>Which drug need ECG monitoring? A- Oral digoxin B- IV potassium C- Doxorubicin</p>	C
1068	TOXI	<p><b>407-</b>The Arabs were old used kohl for children What is the harmful substance in kohl ? A- lead B- mercury C- zinc</p>	A
1069	TOXI	<p><b>410-</b> what is the recommended dose of IV N-acetyl cysteine for 6 years child ?</p> <ul style="list-style-type: none"> <li>A. 2_5mg/kg</li> <li>B. 20-15mg/kg</li> </ul> <p># DOSE : 50-150 ( FIRST 150 THEN 50 THEN 100)</p>	
1070	URO	<p><b>41)</b> An 81-year-old man presents with urinary hesitancy and difficult for the past 1 month. He has a history of urine incontinence, and his physician suspects that he may have benign prostatic. He is currently taking oxybutynin and lisinopril.</p> <p>Which of the following interventions is the most appropriate?</p> <ul style="list-style-type: none"> <li>A) Discontinue oxybutynin</li> <li>B) Discontinue Lisinopril</li> </ul>	A

		<p>C) Start alfuzosin D) Start prazosin</p>									
1071	vacc	<p>217- Should drugs be freezing?</p> <p>A. Interferon B. Vaccine C. solution</p>	B								
1072	vacc	<p>34) A-65-year-old man asks about vaccination before he leaves for summer vacation next month .He brings his vaccination record for the past 4 years (see table) Today's Date : 05/31/2014</p> <table border="1"> <thead> <tr> <th>DATE</th><th>Vaccination</th></tr> </thead> <tbody> <tr> <td>8/2011</td><td>Herps Zoster</td></tr> <tr> <td>Every year</td><td>Influenza</td></tr> <tr> <td>10/2011</td><td>Pneumococcal</td></tr> </tbody> </table> <p>Which vaccination should this patient receive?</p> <p>A. Influenza B. Hepatitis A C. Measles ,Mumps ,Rubella D. Pneumococcal polysaccharide</p>	DATE	Vaccination	8/2011	Herps Zoster	Every year	Influenza	10/2011	Pneumococcal	D
DATE	Vaccination										
8/2011	Herps Zoster										
Every year	Influenza										
10/2011	Pneumococcal										
1073	vacc	<p>36) Which of the following vaccines is contraindicated in a pregnant woman?</p> <p>A. Polio vaccine B. Influenza (inactivated) vaccine C. Measles, Mumps, Rubella (MMR) D. Tetanus, diphtheria ,Pertussis(Tdap)</p>	c								
1074	VACC	<p>47) Which of the following terms describes living microbe with reduced virulence, and used for vaccination?</p> <p>A. Virulent B. Dormant C. Attenuated D. Encapsulated</p>	c								
1075	VACC	<p>90- Which of the following vaccines is contraindicated in pregnant woman?</p> <p>A. Hepatitis B B. BCG vaccine C. Polio vaccine D. Meningococcal vaccine</p>	B								
1076	VACC	<p>5) Which of the following vaccines is recommended for people at the age of ≥65 years?</p> <p>A) hepatitis B vaccine B) pneumococcal vaccine C) meningococcal vaccine D) DTaP vaccine (diphtheria,tetanus,pertussis)</p>	B								

1077	VACC	<p><b>(15)</b> A 33-year-old woman with history of migraine and hypothyroidism, she is a nurse with one son and she is currently 15-weeks pregnant. She is concerned about vaccination and seeks your advice.</p> <p>Which of the following vaccines is contraindicated?</p> <ul style="list-style-type: none"> <li>A) hepatitis B</li> <li>B) inactivated influenza</li> <li>C) MMR (measles, mumps, and rubella)</li> </ul>	C
1078	VACC	<p><b>75-</b> Which of the following age groups is inactivated polio recommendation?</p> <ul style="list-style-type: none"> <li>A) Immediately after birth</li> <li>B) Children up to 6 years old</li> <li>C) Children more than 10 years old</li> <li>D) Recommended for all age groups</li> </ul>	B
1079	VACC	<p><b>8-</b>A 33-year-old woman with history of migraine and hypothyroidism. She is a nurse with one son and she is currently 15-weeks pregnant. She is concerned about vaccinations and seeks your advice.</p> <p>Which of the following vaccines is contraindicated?</p> <ul style="list-style-type: none"> <li>A. Hepatitis B</li> <li>B. Inactivated influenza</li> <li>C. MMR (measles, mumps, and rubella)</li> <li>D. Tetanus, Diphtheria, and pertussis (Tdap)</li> </ul>	C
1080	VACC	<p><b>(32)</b> A 55-year-old man is being treated with IV acyclovir for herpes simplex virus (HSV) encephalitis. He wants to know if he can receive varicella vaccine today.</p> <p>Which of the following should be the best response?</p> <ul style="list-style-type: none"> <li>A. yes, because it is important to prevent future HSV infection</li> <li>B. yes, because varicella vaccine is not related to HSV infection</li> <li>C. no, because varicella vaccine may not work if given today</li> <li>D. no, because he is currently acutely ill</li> </ul>	C
1081	VACC	<p><b>(35)</b> Which of the following is most appropriate to give hepatitis B vaccine for unvaccinated patient?</p> <ul style="list-style-type: none"> <li>A. 1 dose vaccine intramuscularly</li> <li>B. no vaccination is recommended</li> <li>C. 1 dose vaccine intramuscularly every year</li> <li>D. 3 doses vaccine series administered intramuscularly at 0, 1, and 6 months</li> </ul>	D
1082	VACC	<p><b>55-</b> Which of the following vaccines is recommended within the first twelve hours of birth?</p> <ul style="list-style-type: none"> <li>A. Varicella</li> <li>B. Hepatitis A</li> <li>C. Hepatitis B</li> <li>D. Measles, mumps and rubella (MMR)</li> </ul>	C
1083	VACC	<p><b>56-</b> Which of the following vaccines is recommended to be given at birth in Saudi Arabia?</p> <ul style="list-style-type: none"> <li>A. Rotavirus vaccine</li> <li>B. Hepatitis A vaccine</li> </ul>	C

		C. Hepatitis B vaccine D. Haemophilus influenza type B vaccine	
1084	VACC	60- A woman is pregnant in her third trimester. Which of the following vaccines can LA receive? A. Influenza B. Varicella C. MMR D. Rota	A
1085	VACC	67- Which of the following vaccines is used to prevent cervical cancer? A. Zoster B. Varicella C. Human papilloma-virus D. Tetanus, diphtheria, pertussis	C
1086	VACC	70- Which of the following vaccinations needs to be proofed for persons working in a healthcare setting? A. Tetanus B. Varicella C. Rota virus D. Hepatitis B	D
1087	VACC	85- Which of the following vaccines is specifically indicated for all pregnant woman during each pregnancy, in addition to influenza vaccine? A. Hepatitis B vaccine B. Hepatitis A vaccine C. Pneumococcal vaccines D. Tetanus, diphtheria, pertussis	D
1088	VACC	70- Which of the following could be stored in a freezing unit ? A. Insulin B. Interferon C. varicella vaccine D. Human growth hormone	C
1089	VACC	14- vaccine prior pilgrim (hajj) A- Influenza + meningococcal (MCV) B- hpv C- pcv D- mmr	A
1090	VACC	158- Which vaccine has maximum age ? A- MMR B- BCG C- Rota D- Measles	D

1091	VACC	<p>192-a child came to the hospital 4 days ago and given amoxicillin prednisone for 5 days and (I forgot for what) Now months old and ready for MMR vaccine. what do you do ? he's 36</p> <p>A. Give the patient B. wait 1month to give because he is taking amoxicillin C. wait 1month because he is taking prednisone</p>	A
1092	VACC	<p>280- Which is correct regarding tetanus?</p> <p>A. tetanus vaccine increase activity of diphtheria vaccine B. tetanus vaccine decrease activity of diphtheria vaccine C. tetanus is exclusively environmental born pathogen D. tetanus is both environmental and transmitted pathogen</p>	C
1093	VACC	<p>368- which use in emergency staffs vaccine</p> <p>A- meningitis MCV B- pneumonia</p>	A
1094	VACC	<p>405- A patient has history of severe HSV, which vaccine should the pt receive to prevent shingles infection?</p> <p>A- Zoster B- Varicella C- MMR</p>	A
1095	VACCI	<p>3-Which of the following infection be preventable by using vaccines?</p> <p>A) HIV B) Varicella C) Brucellosis D) Hepatitis C</p>	B
1096	VACCI	<p>52- Which of the following is considered as live attenuated vaccine?</p> <p>A. Pneumococcal B. Influenza type b C. Measles, mumps, rubella. (MMR) D. Tetanus, diphtheria, pertussis</p>	C
1097	VACCI	<p>95- A new born baby is about to get discharged with his mother. Which of the following vaccines is indicated?</p> <p>A. MMR vaccine B. Influenza vaccine C. Rotavirus vaccine D. Hepatitis B vaccine</p>	D
1098	VACCI	<p>156 - Vaccination case He came for you to take MMR vaccine and history of taking immunoglobulin for hep a last month what to do ?</p> <p>A. give immediately B. tomorrow C. after 2 months D. after 6 months</p>	C

1099	VACCI	224- live or inactivated vaccination ? A-Same time at different site	
1100	VACCIN	<p><b>26) A 20year-old man encounters a serious road accident. He is brought to The hospital with 'deep wounds'. His vaccination history is unknown</b></p> <p><b>Which of the following would be best to administer to this patient at this time?</b></p> <ul style="list-style-type: none"> <li>A. Tetanus vaccine</li> <li>B. Tetanus immune globulin</li> <li>C. Tetanus vaccine and tetanus immune globulin</li> <li>D. Tetanus vaccine and human papillomavirus vaccine</li> </ul>	C
1101	VACCIN	<p><b>96- A 20-year-old man patient has had a road accident in which he suffers from minor injuries (no deep wound). His history of vaccination is unknown.</b></p> <p><b>Which of the following is recommended regarding the administration of tetanus vaccine?</b></p> <ul style="list-style-type: none"> <li>A. There is no need of tetanus vaccination</li> <li>B. Both Td and TIG should be administered</li> <li>C. Only tetanus vaccination (Td) should be administered</li> </ul>	C
1102	VACCIN	147- Before 6-week Pt did surgery and he wanted to lift the hospital, which discharge vaccine should he give? <ul style="list-style-type: none"> <li>A. meningitis</li> <li>B. influenza</li> <li>C. pneumococcal</li> </ul>	C
1103	VACCIN	242- vaccination case he came for you to take mmr vaccine history of taking immunoglobulin for hep a last month what to do ? <ul style="list-style-type: none"> <li>A. give immediately</li> <li>B. tomorrow</li> <li>C. after 2 months</li> <li>D. after 6 months</li> </ul>	C
1104	VACCIN	279- Child one years ago, had immunodeficiency, he took before 4-month IV Ig, and now it's time to take MMR Vaccine? <ul style="list-style-type: none"> <li>A. Give vaccine</li> <li>B. don't give because he took IVIG</li> <li>C. don't give because he has immunodeficiency</li> </ul>	C
1105	WOM	<p><b>56- Which of the following is the result of drug interactions between birth control pill and erythromycin?</b></p> <ul style="list-style-type: none"> <li>A. The effectiveness of erythromycin may increase</li> <li>B. The effectiveness of erythromycin may decrease</li> <li>C. The effectiveness of the birth control pill may increase</li> <li>D. The effectiveness of the birth control pill may decrease ( مرشح )</li> </ul>	D OR C
1106	WOM	<p><b>64- Which of the following medications promotes ripening and dilation of the cervix during labor?</b></p> <ul style="list-style-type: none"> <li>A. atosiban</li> <li>B. nitric oxide</li> <li>C. misoprostol</li> </ul>	C

		D. magnesium sulfate	
1107	WOME	115- pregnant and ductus closure happened what's the management? A. Indomethacin B. alprostadil C. misoprostol	B
1108	women	83- Which of the following fetal adverse effects are seen with the use of finasteride during pregnancy? A. Growth restrictions B. genital abnormality C. neural tube defects D. placental abruptions  N.B:-finasteride is 5-alpha reductase inhibitor and used in ttt of benign prostatic hyperplasia(BPH)	B
1109	WOMEN	13) According to the FDA categories of the drug safety during pregnancy Amoxicillin is under category B . What does that mean ? A. No adequate animal or human studies have been conducted B. Controlled human studies show no fetal risks from amoxicillin C. Evidence of human fetal risk exists ,but benefits may outweigh D. Animal studies show no risk to the fetus and no controlled human studies	D
1110	WOMEN	81)Which of the following is the content of a monophasic contraceptive? A) constant dose of estrogen B) variable dose of progesterone C) constant dose estrogen and progesterone D) variable doses of estrogen and progesterone	C
1111	WOMEN	31) which of the following medications promotes ripening and clation of the cervix during labor? A) atosiban B) nitric oxide C) misoprostol D) magnesium sulfate	C
1112	WOMEN	41- which of the following drugs passes into mothers milk due to high lipid solubility? A) diazepam B) methyldopa (compatible with breast feeding) C) promethazine (not known drug crosses into milk or not) D) dihydroergotamine (There are no data on the passage of the ergotamines intomother'smilk  <u>Ergotamine</u> and <u>ergotamine tartrate</u> are more fat soluble than <u>dihydroergotamine</u> and their secretion into mother's milk is more likely <u>Ergotamine derivatives</u> have antiprogestin action and their use may decrease milk production)	A

1113	WOMEN	<p><b>65- Which of the following is most likely to inhibit lactation?</b></p> <p>A) Prolactin B) Progesterone C) Growth hormone D) Chorionic somatomammotropin</p>	B
1114	WOMEN	<p><b>82- Which of the following hormones is responsible for milk product mammary glands?</b></p> <p>A) Oxytocin B) Prolactin C) Luteiniz D) Follicle-stimulating hormone</p>	B
1115	women	<p><b>19- which of the following reduces the risk of transmission of sexual diseases?</b></p> <p>A. Spermicide B. Oral contraceptive C. Intrauterine device D. Male latex condom</p>	D
1116	WOMEN	<p><b>45) A 20-year-old pregnant woman presents to the emergency department with severe vomiting</b></p> <p><b>What is the most likely safe drug?</b></p> <p>A. pyridoxine (VitB6) B. ondansetron C. domperidrone D. promethazine</p>	A
1117	WOMEN	<p><b>53- Which of the following is an important counseling point for woman starting on fingolimod?</b></p> <p>A. Use effective contraception to avoid pregnancy during and 2 months after discontinuing treatment B. Pregnancy should be avoided for 6 months after discontinuing treatment C. Use effective contraception to avoid pregnancy during treatment D. Fingolimod is safe during pregnancy</p>	A
1118	WOMEN	<p><b>58- A 30-year-old woman with a history of deep vein thrombosis that was treated a year ago wants to use birth control pill.</b></p> <p><b>Which of the following contraceptive pills would best suit her?</b></p> <p>A. Levonorgestrel (progesterone only pills) B. Ethinyl estradiol/etonogestrel C. Ethinyl estradiol/norethindrone D. Ethinyl estradiol/norelgestromin</p>	A
1119	WOMEN	<p><b>57-Which of the following is a statement that describes a drug with pregnancy category A?</b></p> <p>A. Positive evidence of fetal risk B. Animal studies indicate no fetal risk C. Controlled studies in women fail to show fetal risk D. No available fetal risk studies in women or animals</p>	D

		<p>76-A 20-year-old woman is currently on birth control pills. Which of the following concurrent drug usage most likely will reduce the efficacy of Oral contraceptive pills?</p> <p>A. Rifampin B. Amoxicillin C. Clindamycin D. Ciprofloxacin</p>	
1120	WOMEN		A
1121	WOMEN	<p>93- Which of the following drugs is contraindicated in pregnancy due to teratogenicity?</p> <p>A. Cimetidine B. Finasteride C. Methyldopa D. Metoclopramide</p>	B
1122	WOMEN	<p>3- A lactating mother comes to emergency department complaining of nausea and vomiting. Which of the following agents is most appropriate to give?</p> <p>A. Cyclizine B. Domperidone (also increase prolactin level) C. Dimenhydrinate D. Levomepromazine</p>	
1123	WOMEN	<p>7- Which of the following drugs is a pregnancy category X?</p> <p>A. Rituximab B. Leflunomide C. Ciprofloxacin D. Levothyroxine</p>	B
1124	WOMEN	<p>61- Which of the following statements best describe oxytocin?</p> <p>A. high doses may lead to hypertension B. steady state is reached within 5 to 10 minutes C. uterine hyperstimulation is an associated adverse effect D. higher doses can lead to vasopressin receptor related urinary retention</p>	C
1125	WOMEN	<p>15- Which of the following medications is an aromatase inhibitor used for the treatment of breast cancer?</p> <p>A. flutamide B. octreotide C. tamoxifen D. anastrozole</p>	D
1126	WOMEN	<p>47. Which of the following is a statement that describes a drug with pregnancy category B?</p> <p>A. no available fetal risk studies in women or animals B. controlled studies in women failed to show fetal risk C. animal studies indicate no fetal risk but no data in humans D. positive evidence of fetal risk</p>	C

1127	WOMEN	<p><b>60- Which of the following medications is an anti-progestin?</b></p> <p>A. danazol B. tamoxifen C. finasteride D. mifepristone</p>	D								
1128	WOMEN	<p><b>91-A 23-year-old woman is currently taking finasteride and wishes to conceive. The doctor immediately recommends her to discontinue its use. Which of the following is the most likely reason for finasteride to be discontinued?</b></p> <p>A. it is teratogenic B. it is abortifacient C. it causes hypotension D. it causes uterine vascular resistance</p>	A								
1129	WOMEN	<p><b>10- Which of the following is a statement that describes a drug with pregnancy category X?</b></p> <p>A. Animal studies indicate no fetal risk B. No available fetal risk studies in woman or animals C. Positive evidence of fetal risk; benefits outweigh the fetal risks D. Definite fetal risk in animals and humans of teratogenicity; fetal risks outweigh the benefits</p>	D								
1130	WOMEN	<p><b>30- Which of the following vitamins is contraindicated in high doses during pregnancy?</b></p> <p>A. Vitamin A B. Vitamin B6 C. Vitamin C D. Vitamin B12</p>	A								
1131	WOMEN	<p><b>76- Which property of nicotine is attributed to abortions?</b></p> <p>A. it is a vasodilator B. it is a potent vasoconstrictor C. it reduces uterine blood flow D. it reduces vascular uterine resistance</p>	C								
1132	WOMEN	<p><b>79- A lactating mother comes to the emergency department complaining of nausea and vomiting. Which of the following agents is most appropriate to give?</b></p> <p>A. cyclizine B. domperidone C. dimenhydrinate D. levomepromazine</p>	B								
1133	WOMEN	<p><b>1- An experiment on unknown drugs D-1, D-2, D3 and D4 show the following (see tab results)</b></p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td>D-1</td><td>low lipid solubility</td></tr> <tr> <td>D-2</td><td>high molecular weight</td></tr> <tr> <td>D-3</td><td>low degree of plasma protein binding</td></tr> <tr> <td>D-4</td><td>weak acidity</td></tr> </table> <p><b>Which of the following is most likely to be excreted in breast milk?</b></p> <p>A. D-1</p>	D-1	low lipid solubility	D-2	high molecular weight	D-3	low degree of plasma protein binding	D-4	weak acidity	C
D-1	low lipid solubility										
D-2	high molecular weight										
D-3	low degree of plasma protein binding										
D-4	weak acidity										

		B. D-2 C. D-3 D. D-4	
1134	WOMEN	19- treatment of eclampsia ? A- mgso4	A
1135	women	23- pregnant woman with hypothyroidism take levothyroxine and start feeling fatigue? A. double dose B. discounted C. refer to doctor to adjust dose according TSH D. continue use a same dose	C
1136	WOMEN	43- Women positive hCG what is the following drugs can be Used? A- Levothyroxine	
1137	WOMEN	69- Drug pass to mother milk due to high lipid solubility Or low lipid solubility? A- High	
1138	WOMEN	165- Pregnant with nausea vomiting? A. cyclizine + pyridoxine B. pyridoxin C. diphenhydramine D. oxytocin	A
1139	WOMEN	194- Which contraceptive have high dose of estrogen and contraindication in DVT women ? A. Transdermal patch B. IUD C. Oral contraceptive pill D. Rings	A
1140	WOMEN	222- Warfarin CI in pregnancy because ? A. Growth restriction B. Genital abnormality C. Congenital heart diseases D. Craniofacial morphology	D
1141	WOMEN	281- When stop using Fingolimod for pregnancy? A- Before 2 months B- 6 month Safe for Pregnancy C- Before 6 months	A
1142	WOMEN	282- Statin women positive (HCG )Human chorionic gonadotropin ,what medication is appropriate for her ? A- warfarin B- isotretinoin C- Tetracycline D- Levofloxacin	D

1143	WOMEN	307- which the C.I in. pregnancy or lactation ? A- Doxycycline B- Acyclovir C- Meloxicam D- Piroxicam	A
1144	WOMEN	328- Which contraceptive pills prevent lactation ? A- progesterone B- estrogen C- combined	C
1145	WOMEN	348- What is more effective method to prevent pregnancy ? A. Oral contraceptives B. Latex Condoms C. Spermicides D. intrauterine device	D
1146	WOMEN	422- Antidepressants have teratogenicity effect on pregnant woman ? A. SNRIs B. SSRIs C. MAOIs D. TCAs	D
1147	ZA	<b>79- Which of the following committees is responsible for requests of removing a drug from the hospital formulary?</b> A. Hospital Patient Safety B. Mortality and Morbidity C. Hospital Clinical Research D. Pharmacy and Therapeutic	D