

Rahate's IIT & Medical Home

✓/eAIPGMEE 2005 MCQS

Subject - Anaesthesiology

Question 1: The laryngeal mask airway used for securing airway of a patient in all of the following conditions except ?

- A) In a difficult intubation
- B) In cardiopulmonary resuscitation
- C) In a child undergoing an elective/routine eye surgery
- D) In a patient with a large tumor in the oral cavity

Answer: D) In a patient with a large tumor in the oral cavity

Question 2: The following are used for treatment of postoperative nausea and vomiting following squint surgery in children except ?

- A) Ketamine
- B) Ondansetron
- C) Propofol
- D) Dexamethasone

Answer: A) Ketamine

Question 3: Which one of the following anaesthetic agents cause a rise in the Intracranial pressure ?

- A) Sevoflurane
- B) Thiopentone sodium
- C) Lignocaine
- D) Propofol

Rahate's IIT & Medical Home

Answer: A) Sevoflurane

Question 4: The following modes of ventilation may be used for weaning off patients from mechanical ventilation except ?

- A) Controlled Mechanical ventilation (CMV)
- B) Synchronized intermittent mandatory ventilation (SIMV)
- C) Pressure support ventilation (PSV)
- D) Assist - control ventilation (ACV)

Answer: A) Controlled Mechanical ventilation (CMV)

Question 5: A Lower Segment Caesarean Section (LSCS) can be carried out under all of the following techniques of anaesthesia except ?

- A) General anaesthesia
- B) Spinal anaesthesia
- C) Caudal anaesthesia
- D) Combined Spinal Epidural anaesthesia

Answer: C) Caudal anaesthesia

Question 6: The most appropriate circuit for ventilating a spontaneously breathing infant during anaesthesia is ?

- A) Jackson Rees' modification of Ayers' T Piece
- B) Mapleson A or Magill's circuit
- C) Mapleson C or Waters' to and fro canister
- D) Bains circuit

Answer: A) Jackson Rees' modification of Ayers' T Piece

Rahate's IIT & Medical Home

Question 7: The abnormal preoperative pulmonary function test in a patient with severe kyphoscoliosis includes ?

- A) Increased RV/TLC
- B) Reduced FEV1/FVC
- C) Reduced FEV₂₅₋₇₅
- D) Increased FRC

Answer: A) Increased RV/TLC

Subject - Anatomy

Question 8: All of the following are branches of the external carotid artery except ?

- A) Superior thyroid artery
- B) Anterior Ethmoidal artery
- C) Occipital artery
- D) Posterior auricular artery

Answer: B) Anterior Ethmoidal artery

Question 9: Paralysis of 3rd, 4th & 6th nerves with involvement of ophthalmic division of 5th nerve, localizes the lesion to ?

- A) Cavernous sinus
- B) Apex of orbit
- C) Brainstem
- D) Base of skull

Answer: A) Cavernous sinus

Question 10: The carpal tunnel contains all of the following important

Rahate's IIT & Medical Home

structures except ?

- A) Median nerve
- B) Flexor pollicis longus
- C) Flexor carpi radialis
- D) Flexor digitorum superficialis

Answer: C) Flexor carpi radialis

Question 11: The femoral ring is bounded by the following structures except ?

- A) Femoral vein
- B) Inguinal ligament
- C) Femoral artery
- D) Lacunar ligament

Answer: C) Femoral artery

Question 12: All of the following statements regarding vas deference are true except ?

- A) The terminal part is dilated to form ampulla
- B) It crosses ureter in the region of ischial spine
- C) It passes lateral to inferior epigastric artery at deep inguinal ring
- D) It is separated from the base of bladder by the peritoneum

Answer: D) It is separated from the base of bladder by the peritoneum

Question 13: The following statements concerning chorda tympani nerve are true except that it ?

- A) Carries secretomotor fibers to submandibular gland
- B) Joins lingual nerve in infratemporal fossa

Rahate's IIT & Medical Home

- C) Is a branch of facial nerve
- D) Contains postganglionic parasympathetic fibers

Answer: D) Contains postganglionic parasympathetic fibers

Question 14: The type of joint between the sacrum and the coccyx is a ?

- A) Symphysis
- B) Syostosis
- C) Synchondrosis
- D) Syndesmosis

Answer: A) Symphysis

is is c

Question 15: The prostaticurethra is characterized by all of the following features, except that it ?t

- A) Is the widest and most dilatable part
- B) Presents a concavity posteriorly
- C) Lies closer to anterior surface of prostate
- D) Receives prostatic ductules along its posterior wall

Answer: B) Presents a concavity posteriorly

Question 16: The following group of lymph nodes receives lymphatics from the uterus except ?

- A) External iliac
- B) Internal iliac
- C) Superficial inguinal
- D) Deep inguinal

Answer: D) Deep inguinal

Rahate's IIT & Medical Home

- B) Receptor mediated endocytosis
- C) Exocytosis
- D) Cell shape

Answer: B) Receptor mediated endocytosis

Question 25: The amino acid residue having an imino side chain is ?

- A) Lysine
- B) Histidine
- C) Tyrosine
- D) Proline

Answer: D) Proline

Question 26: Which one of the following molecules is used for cell signalling ?

- A) CO₂
- B) O₂
- C) NO
- D) N₂

Answer: C) NO

Question 27: All of the following hormones have cell surface receptors except ?

- A) Adrenalin
- B) Growth hormone
- C) Insulin
- D) Thyroxine

Rahate's IIT & Medical Home

Answer: D) Thyroxine

Question 28: Fluoride, used in the collection of blood samples for glucose estimation, inhibits the enzyme ?

- A) Glucokinase
- B) Hexokinase
- C) Enolase
- D) Glucose-6-phosphatase

Answer: C) Enolase

Subject - Community Medicine

Question 29: 'Endemic Disease' means that a disease ?

- A) Occurs clearly in excess of normal expectancy
- B) Is constantly present in a given population group
- C) Exhibits seasonal patterns
- D) Is prevalent among animals

Answer: B) Is constantly present in a given population group

Question 30: Which one of the following is a good index of the severity of an acute disease ?

- A) Cause specific death rate
- B) Case fatality rate
- C) Standardized mortality ratio
- D) Five year survival

Answer: B) Case fatality rate

Rahate's IIT & Medical Home

Question 31: Which one of the following statements about influence of smoking on risk of coronary heart disease (CHD) is not true ?

- A) Influence of smoking is independent of other risk factors for CHD
- B) Influence of smoking is only additive to other risk factors for CHD
- C) Influence of smoking is synergistic to other risk factors for CHD
- D) Influence of smoking is directly related to number of cigarettes smoked per day

Answer: B) Influence of smoking is only additive to other risk factors for CHD

Question 34: The recommended daily energy intake of an adult woman with heavy work is ?

- A) 1800
- B) 2100
- C) 2300
- D) 2900

Answer: D) 2900

Question 35: All of the following methods are anti-larval measures except ?

- A) Intermittent irrigation
- B) Paris green
- C) Gambusia affinis
- D) Malathion

Answer: D) Malathion

(Single Best Answer) Question 36: All of the following are true about the Herd Immunity for infectious diseases except ?

Rahate's IIT & Medical Home

- A) It refers to group protection beyond what is afforded by the protection of immunized individuals
- B) It is likely to be more for infections that do not have a sub-clinical phase
- C) It is affected by the presence and distribution of alternative animal hosts
- D) In the case of tetanus it does not protect the individual

Answer: B) It is likely to be more for infections that do not have a sub-clinical phase

Question 37: The best indicator for monitoring the impact of Iodine Deficiency Disorders control programme is ?

- A) Prevalence of goiter among school children
- B) Urinary iodine levels among pregnant women
- C) Neonatal Hypothyroidism
- D) Iodine level in soil

Answer: C) Neonatal Hypothyroidism

Question 38: What is the color-coding of bag in hospitals to dispose off human anatomical wastes such as body parts ?

- A) Yellow
- B) Black
- C) Red
- D) Blue

Answer: A) Yellow

Question 39: WHO defines adolescent age between ?

- A) 10 - 19 years of age

Rahate's IIT & Medical Home

B) 10 - 14 years of age

C) 10 - 25 years of age

D) 9 - 14 years of age

Answer: A) 10 - 19 years of age

Question 40: In a village having population of 1000, we found patients with certain disease. The results of a new diagnostic test on that disease are as follows.

Test Result	Disease
-------------	---------

Present	Absent
---------	--------

+	180	400
---	-----	-----

-	20	400
---	----	-----

What is the percent prevalence of disease ?

A) 0.20

B) 2

C) 18

D) 20

Answer: D) 20

Question 41: The following tests are used to check the efficiency of pasteurization of milk except ?

A) Phosphatase test

B) Standard plate count

C) Coliform count

D) Methylene blue reduction test

Answer: D) Methylene blue reduction test

Rahate's IIT & Medical Home

Question 42: What will be the BMI of a male whose weight is 89 kg and height is 172 cm ?

- A) 27
- B) 30
- C) 33
- D) 36

Answer: B) 30

Question 45: A 2-year-old female child was brought to a PHC with a history of cough and fever for 4 days with inability to drink for last 12 hours. On examination, the child was having weight of 5 kg, and respiratory rate of 45/minute with fever. The child will be classified as suffering from ?

- A) Very severe disease
- B) Severe Pneumonia
- C) Pneumonia
- D) No Pneumonia

Answer: A) Very severe disease

Question 46: The information technology has revolutionized the world of medical sciences. In which of the following year the Information Technology Act was passed by the Government of India ?

- A) 1998
- B) 2000
- C) 2001
- D) 2003

Answer: B) 2000

Rahate's IIT & Medical Home

Question 47: Transplantation of Human Organs Act was passed by Government of India in ?

- A) 1996
- B) 1993
- C) 1998
- D) 1994

Answer: D) 1994

Question 48: Which one of the following is not source of manager's power ?

- A) Reward
- B) Coercive
- C) Legitimate
- D) Efferent

Answer: D) Efferent

Question 49: The standard normal distribution ?

- A) Is skewed to the left
- B) Has mean = 1.0
- C) Has standard deviation = 0.0
- D) Has variance = 1.0

Answer: D) Has variance = 1.0

(Single Best Answer) Question 50: The PEFR of a group of 11 year old girls follow a normal distribution with mean 300 l/min and standard deviation 20 l/min ?

- A) About 95% of the girls have PEFR between 260 and 340 l/min
- B) The girls have healthy lungs

C) About 5% of girls have PEFR below 260 l/min

D) All the PEFR must be less than 340 l/min

Answer: A) About 95% of the girls have PEFR between 260 and 340 l/min

Question 51: The events A and B are mutually exclusive, so ?

A) Prob (A or B) = Prob (A) + Prob (B)

B) Prob (A and B) = Prob (A).Prob (B)

C) Prob (A) = Prob (B)

D) Prob (A) + Prob (B) = 1

Answer: A) Prob (A or B) = Prob (A) + Prob (B)

Question 52: Total Cholesterol level = $a + b$ (calorie intake) + c (physical activity) + d (body mass index); is an example of ?

A) Simple linear regression

B) Simple curvilinear regression

C) Multiple linear regression

D) Multiple logistic regression

Answer: C) Multiple linear regression

Question 53: The Hb level in healthy women has mean 13.5 g/dl and standard deviation 1.5 g/dl, what is the Z score for a woman with Hb level 15.0 g/dl ?

A) 9.0

B) 10.0

C) 2.0

D) 1.0

Rahate's IIT & Medical Home

Answer: D) 1.0

Question 54: The diagnostic power of a test to correctly exclude the disease is reflected by ?

- A) Sensitivity
- B) Specificity
- C) Postivity predictivity
- D) Negative predictivity

Answer: D) Negative predictivity

Question 55: Infant mortality does not include ?

- A) Early neonatal mortality
- B) Perinatal mortality
- C) Post neonatal mortality
- D) Late neonatal mortality

Answer: B) Perinatal mortality

Question 56: A cardiologist found a highly significant correlation coefficient ($r=0.90$, $p=0.01$) between the systolic blood pressure values and serum cholesterol values of the patients attending his clinic. Which of the following statements is a wrong interpretation of the correlation coefficient observed ?

- A) Since there is a high correlation, the magnitudes of both the measurements are likely to be close to each other
- B) A patient with a high level of systolic BP is also likely to have a high level of serum cholesterol
- C) A patient with a low level of systolic BP is also likely to have a low level of serum cholesterol
- D) About 80% of the variation in systolic blood pressure among his patients can be explained by their serum cholesterol values and vice a versa

Rahate's IIT & Medical Home

Answer: A) Since there is a high correlation, the magnitudes of both the measurements are likely to be close to each other

Question 115: Which of the following viral infections is transmitted by tick ?

- A) Japanese encephalitis
- B) Dengue fever
- C) Kyasanur forest disease (KFD)
- D) Yellow fever

Answer: C) Kyasanur Forest disease (KFD)

Question 268: The most common cancer, affecting Indian urban women in Delhi, Mumbai and Chennai, is ?

- A) Cervical Cancer
- B) Ovarian Cancer
- C) Breast Cancer
- D) Uterine Cancer

Answer: C) Breast Cancer

Subject - Dermatology

Question 57: All of the following drugs are effective in the treatment of pityriasis versicolor except ?

- A) Selenium sulphide
- B) Ketoconazole
- C) Griseofulvin
- D) Clotrimazole

Rahate's IIT & Medical Home

Answer: C) Griseofulvin

Question 58: A 36-year-old factory worker developed itchy, annular scaly plaques in both groins. Application of a corticosteroid ointment led to temporary relief but the plaques continued to extend at the periphery. The most likely diagnosis is ?

- A) Erythema annulare centrifugum
- B) Granuloma annulare
- C) Annular lichen planus
- D) Tinea cruris

Answer: D) Tinea cruris

Question 59: A 16-year-old boy presented with asymptomatic, multiple, erythematous, annular lesions with a collarette of scales at the periphery of the lesions present on the trunk. The most likely diagnosis is ?

- A) Pityriasis versicolor
- B) Pityriasis alba
- C) Pityriasis rosea
- D) Pityriasis rubra pilaris

Answer: C) Pityriasis rosea

Question 60: The only definite indication for giving systemic corticosteroids in pustular psoriasis is ?

- A) Psoriatic erythroderma with pregnancy
- B) Psoriasis in a patient with alcoholic cirrhosis
- C) Moderate arthritis
- D) Extensive lesions

Answer: D) Extensive lesions

Question 61: A 40-year-old woman presents with a 2 year history of erythematous papulopustular lesions on the convexities of the face. There is a background of erythema and telangiectasia. The most likely diagnosis in the patient is ?

- A) Acne vulgaris
- B) Rosacea
- C) Systemic lupus erythematosus
- D) Polymorphic light eruption

Answer: B) Rosacea

Question 62: An 8-year-old boy from Bihar presents with a 6 months history of an illdefined hypopigmented slightly atrophic macule on the face. The most likely diagnosis is ?

- A) Pityriasis alba
- B) Indeterminate leprosy
- C) Morphea
- D) Calcium deficiency

Answer: B) Indeterminate leprosy

Question 63: A 27-year old sexually active male develops a vesiculobullous lesion on the glans soon after taking tablet paracetamol for fever. The lesion healed with hyperpigmentation. The most likely diagnosis is ?

- A) Behcet's syndrome
- B) Herpes genitalis
- C) Fixed drug eruption
- D) Pemphigus vulgaris

Answer: C) Fixed drug eruption

Rahate's IIT & Medical Home

Subject - Forensic Medicine & Toxicology

Question 64: In a firearm injury, there is burning, blackening, tattooing around the wound, along with cherry red colour of the surrounding tissues and is cruciate in shape, the injury is ?

- A) Close shot entry
- B) Close contact exit
- C) Contact shot entry
- D) Distant shot entry

Answer: C) Contact shot entry

Question 65: In methyl alcohol poisoning there is CNS depression, cardiac depression and optic nerve atrophy. These effects are produced due to ?

- A) Formaldehyde and formic acid
- B) Acetaldehyde
- C) Pyridine
- D) Acetic acid

Answer: A) Formaldehyde and formic acid

Question 66: In chronic arsenic poisoning the following samples can be sent for laboratory examination, except ?

- A) Nail clippings
- B) Hair samples
- C) Bone biopsy
- D) Blood sample

Answer: D) Blood sample

Rahate's IIT & Medical Home

Question 67: Which of the following statements is not correct regarding diatom ?

- A) Diatoms are aquatic unicellular plant
- B) Diatoms has an extracellular coat composed of magnesium
- C) Acid digestion technique is used to extract diatoms
- D) Presence of diatoms in the femoral bone marrow is an indication of antemortem inhalation of water

Answer: B) Diatoms has an extracellular coat composed of magnesium

Question 68: In India, magistrate inquest is done in the following cases, except ?

- A) Exhumation cases
- B) Dowry deaths within 5 years of marriage
- C) Murder cases
- D) Death of a person in police custody

Answer: C) Murder cases

Question 69: At autopsy, the cyanide poisoning case will show the following features, except ?

- A) Characteristic bitter lemon smell
- B) Congested organs
- C) The skin may be pinkish or cherry red in colour
- D) Erosion and haemorrhages in oesophagus and stomach

Answer: A) Characteristic bitter lemon smell

Question 70: The most reliable criteria in Gustafson's method of identification is ?

Rahate's IIT & Medical Home

- A) Cementum apposition
- B) Transparency of root
- C) Attrition
- D) Root resorption

Answer: B) Transparency of root

Question 71: The minimum age at which an individual is responsible for his criminal act is ?

- A) 7 years
- B) 12 years
- C) 16 years
- D) 21 years

Answer: A) 7 years

Question 72: The most reliable method of identification of an individual is ?

- A) Dactylography
- B) Scars
- C) Anthropometry
- D) Handwriting

Answer: A) Dactylography

Question 73: The most common pattern of fingerprint is ?

- A) Arch
- B) Loop
- C) Whorl

Rahate's IIT & Medical Home

D) Composite

Answer: B) Loop

Subject - Gynaecology

Question 43: The most common side effect of IUD insertion is ?

- A) Bleeding
- B) Pain
- C) Pelvic infection
- D) Ectopic pregnancy

Answer: A) Bleeding

Question 75: All of the following appear to decrease hot flushes in menopausal women except ?

- A) Androgens
- B) Raloxifene
- C) Isoflavones
- D) Tibolone

Answer: B) Raloxifene

Question 77: The most common cause of secondary amenorrhoea in India is ?

- A) Endometrial tuberculosis
- B) Premature ovarian failure
- C) Polycystic ovarian syndrome
- D) Sheehan's syndrome

Rahate's IIT & Medical Home

Answer: A) Endometrial tuberculosis

Question 79: Which one of the following is the ideal contraceptive for a patient with heart disease ?

- A) IUCD
- B) Depoprovera
- C) Diaphragm
- D) Oral contraceptive pills

Answer: C) Diaphragm

Question 80: The karyotype of a Patient with Androgen Insensitivity Syndrome is ?

- A) 46XX
- B) 46XY
- C) 47XXY
- D) 45XO

Answer: B) 46XY

Question 286: Patients of Rectovaginal fistula should be initially treated with ?

- A) Colostomy
- B) Primary repair
- C) Colporrhaphy
- D) Anterior resection

Answer: B) Primary repair

Subject - Medicine

Question 32: Antibiotic treatment of choice for treating cholera in an adult is a single dose of ?

- A) Tetracycline
- B) Co-trimoxazole
- C) Doxycycline
- D) Furazolidone

Answer: C) Doxycycline

Question 44: For the treatment of case of class III dog bite, all of the following are correct except ?

- A) Give Immunoglobins for positive immunity
- B) Give ARV
- C) Immediately stitch wound under antibiotic coverage
- D) Immediately wash wound with soap and water

Answer: C) Immediately stitch wound under antibiotic coverage

Question 81: A 59 year old man with severe myxomatous mitral regurgitation is asymptomatic, with a left ventricular ejection fraction of 45% and an end-systolic diameter index of 2.9 cm/m². The most appropriate treatment is ?

- A) Mitral valve repair or replacement
- B) No treatment
- C) ACE inhibitor therapy
- D) Digoxin and diuretic therapy

Answer: A) Mitral valve repair or replacement

Rahate's IIT & Medical Home

Question 82: Palpable purpura could occur in the following conditions, except ?

- A) Thrombocytopenia
- B) Small-vessel vasculitis
- C) Disseminated gonococcal infection
- D) Acute meningococcemia

Answer: A) Thrombocytopenia

Question 83: A 30 years old male patient presents with complaints of weakness in right upper and both lower limbs for last 4 months. He developed digital infarcts involving 2nd and 3rd fingers on right side and 5th finger on left side. On examination, BP was 160/140 mm Hg, all peripheral pulses were palpable and there was asymmetrical neuropathy. Investigations showed a Hb-12gm, TLC-12000Cu mm, Platelets 4,30,000, ESR-49 mm. Urine examination showed proteinuria and RBC 10 - 15 /hpf with no casts. Which of the following is the most likely diagnosis ?

- A) Polyarteritis nodosa
- B) Systemic lupus erythematosus
- C) Wegener's granulomatosis
- D) Mixed cryoglobulinemia

Answer: A) Polyarteritis nodosa

Question 84: Which of the following infestation leads to malabsorption ?

- A) Giardia lamblia
- B) Ascaris lumbricoides
- C) Necator americana
- D) Ancylostoma duodenale

Answer: A) Giardia lamblia

Rahate's IIT & Medical Home

Question 85: All of the following can cause osteoporosis, except ?

- A) Hyperparathyroidism
- B) Steroid use
- C) Fluorosis
- D) Thyrotoxicosis

Answer: C) Fluorosis

Question 86: Serum angiotensin converting enzyme may be raised in all of the following except ?

- A) Sarcoidosis
- B) Silicosis
- C) Berylliosis
- D) Bronchogenic carcinoma

Answer: D) Bronchogenic carcinoma

Question 87: Hypercalcemia associated with malignancy is most often mediated by ?

- A) Parathyroid hormone (PTH)
- B) Parathyroid hormone related protein (PTHRP)
- C) Interleukin - 6 (IL-6)
- D) Calcitonin

Answer: B) Parathyroid hormone related protein (PTHRP)

Question 88: All of the following are the causes of relative polycythemias except ?

- A) Dehydration
- B) Dengue haemorrhagic fever

Rahate's IIT & Medical Home

C) Gaisbock syndrome

D) High altitude

Answer: D) High altitude

Question 89: All of the following may cause ST segment elevation on EKG, except ?

A) Early repolarization variant

B) Constrictive pericarditis

C) Ventricular aneurysm

D) Prinzmetal angina

Answer: B) Constrictive pericarditis

Question 90: 5' - Nucleotidase activity is increased by ?

A) Bone diseases

B) Prostate cancer

C) Chronic renal failure

D) Cholestatic disorders

Answer: D) Cholestatic disorders

Question 91: Normal CSF glucose level in a normoglycemic adult is ?

A) 20 - 40 mg/dL

B) 40 - 70 mg/dL

C) 70 - 90 mg/dL

D) 90 - 110 mg/dL

Answer: B) 40 - 70 mg/dL

Rahate's IIT & Medical Home

Question 92: Bart's hydrops fetalis is lethal because ?

- A) Hb Bart's cannot bind oxygen
- B) The excess Hb^- - globin form insoluble precipitates
- C) Hb Bart's cannot release oxygen to fetal tissues
- D) Microcytic red cells become trapped in the placenta

Answer: C) Hb Bart's cannot release oxygen to fetal tissues

Question 93: Cluster headache is characterized by all, except ?

- A) Affects predominantly females
- B) Unilateral headache
- C) Onset typically in 20 - 50 years of life
- D) Associated with conjunctival congestion

Answer: A) Affects predominantly females

Question 94: The most sensitive test for the diagnosis of myasthenia gravis is ?

- A) Elevated serum Ach-receptor binding antibodies
- B) Repetitive nerve stimulation test
- C) Positive edrophonium test
- D) Measurement of jitter by single fibre electromyography

Answer:

Question 95: Vitamin B12 deficiency can give rise to all of the following except ?

- A) Myelopathy

Rahate's IIT & Medical Home

- B) Optic atrophy
- C) Peripheral neuropathy
- D) Myopathy

Answer: D) Myopathy

Question 96: EEG is usually abnormal in all of the following except ?

- A) Subacute sclerosing panencephalitis
- B) Locked - in state
- C) Creutzfeldt - Jakob disease
- D) Hepatic encephalopathy

Answer: B) Locked - in state

Question 97: All of the following are neurologic channelopathies except ?

- A) Hypokalemic periodic paralysis
- B) Episodic ataxia type I
- C) Familial hemiplegic migraine
- D) Spinocerebellar atrophy I

Answer: D) Spinocerebellar atrophy I

Question 98: All of the following conditions are known to cause diabetes insipidus except ?

- A) Multiple sclerosis
- B) Head injury
- C) Histiocytosis
- D) Viral encephalitis

Answer: A) Multiple sclerosis

Rahate's IIT & Medical Home

Question 99: Antipsychotic drug-induced parkinsonism is treated by ?

- A) Anticholinergics
- B) Levodopa
- C) Selegiline
- D) Amantadine

Answer: A) Anticholinergics

Question 100: Which one of the following is used in therapy of Toxoplasmosis ?

- A) Artensenuate
- B) Thiacetazone
- C) Ciprofloxacin
- D) Pyrimethamine

Answer: D) Pyrimethamine

Question 101: Which of the following drugs is useful in prophylaxis of migraine ?

- A) Propranolol
- B) Sumatriptan
- C) Domperidone
- D) Ergotamine

Answer: A) Propranolol

Question 102: The most common pathogens responsible for nosocomial pneumonias in the ICU are ?

Rahate's IIT & Medical Home

- A) Gram positive organisms
- B) Gram negative organisms
- C) Mycoplasma
- D) Virus infections

Answer: B) Gram negative organisms

Question 103: A 50 year old man, an alcoholic and a smoker presents with a 3 hour history of severe retrosternal chest pain and increasing shortness of breath. He started having this pain while eating, which was constant and radiated to the back and interscapular region. He was a known hypertensive. On examination, he was cold and clammy with a heart rate of 130/min, and a BP of 80/40 mm Hg. JVP was normal. All peripheral pulses were present and equal. Breath sounds were decreased at the left lung base and chest x-ray showed left pleural effusion. Which one of the following is the most likely diagnosis ?

- A) Acute aortic dissection
- B) Acute myocardial infarction
- C) Rupture of the esophagus
- D) Acute pulmonary embolism

Answer: A) Acute aortic dissection

Question 104: Which of the following is a cause of reversible dementia ?

- A) Subacute combined degeneration
- B) Pick's disease
- C) Creutzfeldt - Jakob disease
- D) Alzheimer's disease

Answer: A) Subacute combined degeneration

Question 107: The following bacteria are most often associated with acute neonatal meningitis except ?

Rahate's IIT & Medical Home

- A) Escherichia coli
- B) Streptococcus agalactiae
- C) Neisseria meningitidis
- D) Listeria monocytogenes

Answer: C) Neisseria meningitidis

Question 116: Atypical pneumonia can be caused by the following microbial agents except ?

- A) Mycoplasma pneumoniae
- B) Legionella pneumophila
- C) Human Corona virus
- D) Klebsiella pneumoniae

Answer: D) Klebsiella pneumoniae

Question 120: The most common organism amongst the following that causes acute meningitis in an AIDS patient is ?

- A) Streptococcus pneumoniae
- B) Streptococcus agalactiae
- C) Cryptococcus neoformans
- D) Listeria monocytogenes

Answer: C) Cryptococcus neoformans

Question 121: A bacterial disease that has been associated with the 3

- A) Leptospirosis
- B) Plague
- C) Melioidosis

Rahate's IIT & Medical Home

D) Rodent-bite fever

Answer: A) Leptospirosis

Question 238: Which one of the following is true of adrenal suppression due to steroid therapy ?

- A) It is not associated with atrophy of the adrenal glands
- B) It does not occur in patients receiving inhaled steroids
- C) It should be expected in anyone receiving > 5mg, Prednisolone daily
- D) Following cessation, the stress response normalises after 8 weeks

Answer: C) It should be expected in anyone receiving > 5mg, Prednisolone daily

Question 262: Pancreatitis, pituitary tumor and phaeochromocytoma may be associated with ?

- A) Medullary carcinoma of thyroid
- B) Papillary carcinoma of thyroid
- C) Anaplastic carcinoma of thyroid
- D) Follicular carcinoma of thyroid

Answer: A) Medullary carcinoma of thyroid

Subject - Microbiology

Question 105: With reference to infections with Escherichia coli the following are true except ?

- A) Enteropathogenic E.coli is associated with Persistent diarrhoea
- B) Enterohemorrhagic E.coli can cause haemolytic uraemic syndrome
- C) Enteroinvasive E.coli produces a disease similar to salmonellosis

Rahate's IIT & Medical Home

D) Enterotoxigenic E.coli is a common cause of traveler's diarrhoea

Answer: C) Enteroinvasive E.coli produces a disease similar to salmonellosis

Question 106: The following statements are true regarding melioidosis except ?

A) It is caused by Burkholderia mallei

B) The agent is a gram negative aerobic bacteria

C) Bipolar staining of the aetiological agent is seen with methylene blue stain

D) The most common form of melioidosis is pulmonary infection

Answer: A) It is caused by Burkholderia mallei

Question 108: All of the following Vibrio sp. are halophilic, except ?

A) V.cholerae

B) V.parahaemolyticus

C) V.alginolyticus

D) V.fluvialis

Answer: A) V.cholerae

Question 109: All of the following organisms are known to survive intracellularly except ?

A) Neisseria meningitidis

B) Salmonella typhi

C) Streptococcus pyogenes

D) Legionella pneumophila

Answer: C) Streptococcus pyogenes

Rahate's IIT & Medical Home

Question 110: The capsule of Cryptococcus neoformans in a CSF sample is best seen by ?

- A) Grams stain
- B) India ink preparation
- C) Giemsa stain
- D) Methanamine - Silver stain

Answer: B) India ink preparation

Question 111: Viruses can be isolated from clinical samples by cultivation in the following except ?

- A) Tissue culture
- B) Embryonated eggs
- C) Animals
- D) Chemically defined media

Answer: D) Chemically defined media

Question 112: It is true regarding the normal microbial flora present on the skin and mucous membranes that ?

- A) It cannot be eradicated by antimicrobial agents
- B) It is absent in the stomach due to the acidic pH
- C) It establishes in the body only after the neonatal period
- D) The flora in the small bronchi is similar to that of the trachea

Answer: A) It cannot be eradicated by antimicrobial agents

Question 113: An army jawan posted in a remote forest area had fever and headache. His fever was 104°C-F and pulse was 70 per min. He had an

Rahate's IIT & Medical Home

erythematous lesion of about 1 cm on the leg surrounded by small vesicles, along with generalized lymphadenopathy at the time of presentation to the referral hospital. His blood sample was collected to perform serology for the diagnosis of Rickettsial disease. Which one of the following results in Weil-felix reaction will be diagnostic in this clinical setting ?

- A) High OX-2
- B) High OX-19
- C) High OX-K
- D) High OX-19 and OX-2

Answer: C) High OX-K

Question 114: Adenosine deaminase (enzyme) deficiency is associated with ?

- A) Severe combined immunodeficiency (SCID)
- B) X-linked agammaglobulinemia
- C) Transient hypogammaglobulinemia of infancy
- D) Chronic granulomatous disease

Answer: A) Severe combined immunodeficiency (SCID)

Question 117: The serum concentration of which of the following human IgG subclass is maximum ?

- A) IgG1
- B) IgG2
- C) IgG3
- D) IgG4

Answer: A) IgG1

Question 118: Chlamydia trachomatis is associated with the following except ?

Rahate's IIT & Medical Home

- A) Endemic trachoma
- B) Inclusion conjunctivitis
- C) Lymphogranuloma venereum
- D) Community acquired pneumonia

Answer: D) Community acquired pneumonia

Question 119: The following statements are true regarding Clostridium perfringens except ?

- A) It is the commonest cause of gas gangrene
- B) It is normally present in human faeces
- C) The principal toxin of C.perfringens is the alpha toxin
- D) Gas gangrene producing strains of C.perfringens produce heat resistant spores

Answer: D) Gas gangrene producing strains of C.perfringens produce heat resistant spores

Question 122: A child was diagnosed to be suffering from diarrhoea due to Camplyobacter jejuni. Which of the following will be the correct environmental conditions of incubation of the culture plates of the stool sample ?

- A) Temperature of 42°C~C and microaerophilic
- B) Temperature of 42°C~C and 10% carbondioxide
- C) Temperature of 37°C~C and microaerophilic
- D) Temperature of 37°C~C and 10% carbondioxide

Answer: A) Temperature of 42°C~C and microaerophilic

Question 123: Which one of the following statements is true regarding Chlamydia pneumoniae ?

- A) Fifteen serovars have been identified as human pathogens

- B) Mode of transmission is by the airborne bird excreta
- C) The cytoplasmic inclusions present in the sputum specimen are rich in glycogen
- D) The group specific antigen is responsible for the production of complement fixing antibodies

Answer: D) The group specific antigen is responsible for the production of complement fixing antibodies

Question 125: Virus mediated transfer of host DNA from one cell to another is known as ?

- A) Transduction
- B) Transformation
- C) Transcription
- D) Integration

Answer: A) Transduction

Question 126: HIV can be detected and confirmed by ?

- A) Polymerase Chain Reaction (PCR)
- B) Reverse Transcriptase - PCR
- C) Real Time PCR
- D) Mimic PCR

Answer: B) Reverse Transcriptase - PCR

Question 127: In the small intestine, cholera toxin acts by ?

- A) ADP-ribosylation of the G regulatory protein
- B) Inhibition of adenyl cyclase
- C) Activation of GTPase

Rahate's IIT & Medical Home

D) Active absorption of NaCl

Answer: A) ADP-ribosylation of the G regulatory protein

Subject - Obstetrics

Question 74: Misoprostol has been found to be effective in all of the following except ?

- A) Missed Abortion
- B) Induction of labour
- C) Menorrhagia
- D) Prevention of post-partum hemorrhage (PPH)

Answer: C) Menorrhagia

Question 128: Use of one of the following vaccination is absolutely contraindicated in pregnancy ?

- A) Hepatitis-B
- B) Cholera
- C) Rabies
- D) Yellow fever

Answer: D) Yellow fever

Question 129: The highest incidence of Gestational Trophoblastic Disease is in ?

- A) Australia
- B) Asia
- C) North America

Rahate's IIT & Medical Home

D) Western Europe

Answer: B) Asia

Question 130: The smallest diameter of the true pelvis is ?

A) Interspinous diameter

B) Diagnal conjugate

C) True conjugate

D) Intertuberous diameter

Answer: A) Interspinous diameter

Question 131: Infants of diabetic mother are likely to have the following cardiac anomaly ?

A) Coarctation of aorta

B) Fallot's tetralogy

C) Ebstein's anomaly

D) Transposition of great arteries

Answer: D) Transposition of great arteries

Question 132: The following drug is not helpful in the treatment of ectopic Pregnancy ?

A) Methotrexate

B) Misoprostol

C) Actinomycin-D

D) RU 486

Answer: B) Misoprostol

Rahate's IIT & Medical Home

Question 133: The best period of gestation to carry out chorion villous biopsy for prenatal diagnosis is ?

- A) 8 - 10 weeks
- B) 10 - 12 weeks
- C) 12 - 14 weeks
- D) 14 - 16 weeks

Answer: B) 10 - 12 weeks

Question 134: Which one of the following biochemical parameters is the most sensitive to detect open spina bifida ?

- A) Maternal serum alpha fetoprotein
- B) Amniotic fluid alpha fetoprotein
- C) Amniotic fluid acetyl cholinesterase
- D) Amniotic fluid glucohexaminase

Answer: C) Amniotic fluid acetyl cholinesterase

Question 135: Risk of preterm delivery is increased if cervical length is ?

- A) 2.5 cm
- B) 3.0 cm
- C) 3.5 cm
- D) 4.0 cm

Answer: A) 2.5 cm

Question 136: All are the risk factors associated with macrosomia except ?

- A) Maternal obesity
- B) Prolonged Pregnancy

Rahate's IIT & Medical Home

- C) Previous large infant
- D) Short stature

Answer: D) Short stature

Question 137: Which of the following statements is incorrect in relation to pregnant women with epilepsy ?

- A) The rate of congenital malformation is increased in the offspring of women with epilepsy
- B) Seizure frequency increases in approximately 70% of women
- C) Breast feeding is safe with most anticonvulsants
- D) Folic acid supplementation may reduce the risk of neural tube defect

Answer: B) Seizure frequency increases in approximately 70% of women

Question 138: All of the following are causes of intrauterine growth retardation except ?

- A) Anemia
- B) Pregnancy induced hypertension
- C) Maternal heart disease
- D) Gestational diabetes

Answer: D) Gestational diabetes

Question 139: The protective effects of breast milk are known to be associated with ?

- A) IgM antibodies
- B) Lysozyme
- C) Mast cells
- D) IgA antibodies

Rahate's IIT & Medical Home

Answer: D) IgA antibodies

Subject - Oncology

Question 76: In a case of Dysgerminoma of ovary one of the following tumor markers is likely to be raised ?

- A) Serum HCG
- B) Serum alphafetoprotein
- C) Serum lactic dehydrogenase
- D) Serum inhibin

Answer: A) Serum HCG

Question 78: The most common pure germ cell tumor of the ovary is ?

- A) Choriocarcinoma
- B) Dysgerminoma
- C) Embryonal cell tumor
- D) Malignant Teratoma

Answer: B) Dysgerminoma

Question 166: In which one of the following perineural invasion in head and neck cancer is most commonly seen ?

- A) Adenocarcinoma
- B) Adenoid cystic carcinoma
- C) Basal Cell Adenoma
- D) Squamous cell carcinoma

Answer: B) Adenoid cystic carcinoma

Rahate's IIT & Medical Home

Subject - Ophthalmology

Question 140: An 18 year old boy comes to the eye casualty with history of injury with a tennis ball. On examination there is no perforation but there is hyphaema. The most likely source of the blood is ?

- A) Iris vessels
- B) Circulus iridis major
- C) Circulus iridis minor
- D) Short posterior ciliary vessels

Answer: A) Iris vessels

Question 141: A 25 year old male gives history of sudden painless loss of vision in one eye for the past 2 weeks. There is not history of trauma. On examination the anterior segment is normal but there is no fundal glow. Which one of the following is the most likely cause ?

- A) Vitreous haemorrhage
- B) Optic atrophy
- C) Developmental cataract
- D) Acute attack of angle closure glaucoma

Answer: A) Vitreous haemorrhage

Question 142: The mother of a one and a half year old child gives history of a white reflex from one eye for the past 1 month. On computed tomography scan of the orbit there is calcification seen within the globe. The most likely diagnosis is ?

- A) Congenital cataract
- B) Retinoblastoma
- C) Endophthalmitis

Rahate's IIT & Medical Home

D) Coats disease

Answer: B) Retinoblastoma

Question 143: Enlarged corneal nerves may be seen in all of the following except ?

A) Keratoconus

B) Herpes simplex keratitis

C) Leprosy

D) Neurofibromatosis

Answer: B) Herpes simplex keratitis

Question 144: Under the WHO 'Vision 2020' programme, the 'SAFE' strategy is adopted for which of the following diseases ?

A) Trachoma

B) Glaucoma

C) Diabetic retinopathy

D) Onchocerciasis

Answer: A) Trachoma

Question 145: Horner's syndrome is characterized by all of the following except ?

A) Miosis

B) Enophthalmos

C) Ptosis

D) Cycloplegia

Answer: D) Cycloplegia