Microbiology dr Mohamed taleb final 2015

08/01/2015

Question No	Marks
Qui Question No. 2	750
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Question No. 4	
Juestion No. 3	755
Question No. 8	and the second second second
Question No. 5	6
Question No. 5	- LEGISLE 1801/00

- 1- Don't use a pencil or a red pen in your answer
- 2- Be sure that you have an exam with 12 different pages

Part I. Microbiology

Please choose the best correct answer

(50 marks)

- 1. Streptococci viridians commonly cause
- a. Pneumonia
- b. Meningitis
- c. Subacute endocarditis
- d. Otitis media
- e.None of the above
- 2. Syphilis is treated by......
- a. Tetracycline
- b. Chloramphenicol
- c. Penicillin G
- d. Ampicillin
- e. None of the above
- 3. All of the following are non motile bacillus bacteria except
- a. Proteus
- Klebsilla pneumoniae
- c. Yersina pestis
- d. Shigella dysentre
- e. Ligonella pneumophilia
- 4. Loffelers medium is specially used for identification of
- a. Mycobacteria
- b. Mycoplasmas
- Chlamvdia
- d. Rickettsia
- e. Corynobacterium dipheteria
- 5. Which of the following bacteria transmitted orally ,cutaneous , and by inhalation ?
- b. Escherichia-coli
- c. Corynebacterium
- d. Brucella
- e. None of the above
- 6. Catalase test is used for differentiation between
- a. Klebsilla and streptococci
- b. Staphylococcus species
- c. Streptococcus species
- d. Staphyllococcus and Streptococcus
- e. None of the above.
- 7. Which of the following bacteria lack spore
- a. Clostridium perferinges
- b. Bacillus anthracis
- c. Psuedomembranous colitis bacteria
- d. C.botulinum
- e. None of these

g. Corynobacterium dipheteria is a. G negative bacilli h. Non acid fast cocci c. Pleomorphic bacilli d. aerotolerant e. None of these 9. Which is the following enzyme acts as a spreading factor? a Lipase

- b. Coagulase
- c. Catalase
- d. DNase
- e. None of these.

10. Enterotoxigenic E.coli K88 are limited to pigs is example on

- a. Tissue tropism
- b. Species specifity
- c. Genetic specifity
- d b and c
- e. None of these

11. DPT vaccine gives protection against all of the following except

- a. Corynobacterium dipheteria
- b. C.tetani
- c. Listeria monocytogenes
- d. Whooping cough bacteria
- c. None of these

12. Listeriosis can be treated by

- a. Amikacin
- b. Ampicillin
- c. Tetracycline
- d. Gentamycin
- e. b and d

13. Borella burgdorf causes

- a. Trachoma
- b. Syphilis
- c. O fever
- d. Lyme disease
- e. None of these

14.Urinary tract infections caused by all of the following bacteria, except

- a. E.coli
- b. Proteus
- c. Chlamydia trachomatis
- d. Trichomonas vaginalis
- e. None of the above

15. The most severe streptococcal diseases are caused by

- a. Group B streptococci
- b. Group A streptococci
- c. Pneumococci
- d. Enterococci
- e. None of the above

16. Streptococcus pyogens is most commonly identified by a. Widal test b. Sedimentation rate

c. ASOT

d. CBC test

e. All of these

17. Penicillin is the drug of choice for

a. Scarlet fever

b. Whooping cough

c. Brucellosis

d. Cholera

c. All of these

18. All of the following are correct about Choleragen toxin except

a. Heat labile toxin

b. Causes diarrhea

c. Similar in action to shiga toxin

d. Is virulant factor for Vibreo cholera

e, C is incorrect

19. The following characters are true about Psuedomonas aeruginosa except

a. Oppurtunistic pathogen

b. Non-motile diplococci

Oxidase positive organisms

d. Air borne infection

e- Gram-negative, bacilli bacteria"

20. The bubo of bubonic plague is a/an

a. Ulcer where the flea bite occurred

b. Granuloma in the skin

c. Enlarged lymph node

d. Infected sebaceous gland

e. None of the above

21.All of the following are true about S.aerus except

a. Typically produce coagulase

b. Lack spores

c. Can not produce food intoxication

d. Causing impetigo

e. Has exfoliative toxin

22. The probable habitat of Listeria is

a. The human intestine

b. Animals

c. Soil and water

d Plants

e. None of the above

23. Causative organism of moist gangrene is

a. Bordetella pertussis

b. Bordetella parapertussis

c. C.tetani

d. C.botulinum

d. None of the above

24. Which of the following is not correct about 8. saprophyticus c. Coagulase negative	
a Is a staphyllo and is not see	
h Catalage position	
c. Coagulase negative	Company of the property At
d. Novobiocin sensitive	- T- T-
a. Couring I Tra	
e. Causing UTI in young women .	
25. All of the following about S.agiatica are correct except b. B-hemolyticus staphyllose	
h B-hemolyticus	
b. B-hemolyticus staphyllococcus c. Catalase negative	
d. Bacitracin resistant	
d. Bactracin resistant	
e. Commonly found orally	
26. A classic symptom of pertussis is	
a. Labored breathing	
b. Paroxysmal coughing	
c. Convulsions	
d. Headache	The state of the state of
e. None of the above	- X-34
A A DOMESTIC AND AND ADDRESS OF THE PARTY OF	
27. Which of the following is not vector of rickettsioses?	
	Description of some of
b. Louse	4
c. Tick	- 4 CHARLES
d. Flea	
e. All of the above	
TEXT OF THE SECOND CONTRACT OF THE SECOND CON	
28. Which of the following is incorrect about B. anthracis?	the same of the same of
a- Causing anthrax.	And the second second second
b- Transfeered cutaneousely, inhalation, or by ingestion.	The same and the same of the s
c- Its virulence factors include a number of exootoxins and the co	apsule.
d- Its toxin are edema Factor ,lethal Factor ,protective Antigen a	ects individually
e- Diagonised by polychrome methylene blue	remarks to a set a
29. All of the following about Haemophilus influenza is corre	ect except
29. All of the following about Hacibopath	A PLANTAGE A
a- Non motile bacteria .	Marine A. A.
b- G- negative bacillus	Compression was a s
The type h causing of meningitis in children	* MODULES DI A
d- The type b can cause otitis media. d- The type b can cause otitis media.	and the last series of
- Cafateiavone is the antibiotic of	
30. All of the following bacteria are lactose fermenter excep	t?
30 All of the following bacteria are factore to	AND DESCRIPTION OF THE PARTY OF
a. Shigella	
b. Salmonella	C September 1982 of
	and an interest of the
c. Yersina	
d. E.coli	
e. None of the above	The second secon
e. None of the above 31. Which of the following bacteria is related to Rickettsia	A STATE OF THE PARTY OF
31. Which of the following	
a. V. cholera	- Photosoft -
b. C.botulinum	
c. T.pallidum	Mark Control
d. C.burenette	1 - 15000
d. C.Burchents	
e. C.trachoma 5	

32. Which of the following disease does not need vector for infection?

- a.Murine typhus
- b. Epidemic typhus
- c. O.fever
- d. Plaque
- e. b and d

33. All of the following are correct about Mycobacterium tuberclusis except

- a. Acid fast bacteria
- b. Causing tuberclusis
- c. Diagonised by skin testing of tuberculin
- d. Treated by INH & streptomycin
- e . None of the above

34. Ciprofloxacin is drug of choice for

- a. Rheumatic fever
- b. Aerobic spore former bacillus
- c. Mycoplasma .
- d. Clostridium
- e. Bordettela pertussus .

35. Which of the following bacteria act by Zn dependant protease?

- a.Coxella burnette
- b.S.typhi
- c.C.tetani
- d.C.butulinum
- e. c and d

36. All of the following bacterial toxin act by increasing cAMP level except ?

- a. Anthrax toxin
- b. Cholera enterotoxin
- c. Pertussis toxin
- d. Bordetella pertsuss adenylate cyclase toxin
- e. None of the above

37. All of the following bacteria causing meningitis except

- a. S. aglatica
- b. N. meningitidis
- c. Listeria monocytogenes
- d. H.influenza
- e. None of the above

38. Which of the following bacteria produce chloramphenicol?

- b.Streptomyces venzuela
- Streptomyces griseus
- d.Streptococcuc mutanes
- e. a and c

39. Which of the following bacteria produce green color on blood agar?

- b. S. Pneumonia
- c. S. pyogens
- d. S.viridans
- e. b and d .

40. Each of the following agents is a recognized cause of diarrhea except h. Vibrio cholerae c. Salmonella enteritida d. Escherichia coli c. Clostridium difficile 41.All of the the following are factors determining the outcome of infection except a.Route of entery b. The number of infectious bacteria c.Status of the host defense d All of the above e.None of the above 42. Which of the following bacteria has one powerful virulence factor? a.Staphyllococcus aerus b.Staphyllococcus epidermis c.Corynobacterium diphetria d.Clostridium tetani e.c and d 43. Innate defense include the following except a.Inflammation b.Phagocytosis c.Normal flora d.Vaccination e Anatomical barriers 44-Which of the following is consider as naturally passive acquired immunity? a.Gamma globulin b.Antibodies are passed through placenta c.Following measles d.Vaccination e.None of the above 45-Lipoteeichoic acid (LTA) is characterized for a.Gram negative bacteria b.E.coli c.N.meningitids d S areus e.None of the above 46. Rickettsias and chlamydias are similar in being a. free of a cell wall b. the cause of eye infections c. carried by arthropod vectors d. obligate intracellular bacteria e.None of the above 47. Which of the following about klebsilla is incorrect? a. Non motile, oxidase negative b. Facultative anearobic d. Has two antigen for endotoxin on cell surface G-negative bacilli

e. Not respond to most antibiotic.

48. Which of the following about Listeria monocytogens is incorrect?	
a. Infect adult and infant	
b. Regular non acid fast c. G positive bacilli	
d.Its virulence factor is exotoxin	
e. b is correct	
49. Ornithosis is infection associated with	
a. Rickettsial, parrots	
b. chlamydial, mice	
c. chlamydial, birds	
d. Ricketissial ,flies e. None of the above	
c. Ivolie of the above	
50. Which of the following is not an opportunistic enteric bacterium?	
a. E. coli	
b. Klebsiella c. Proteus	
d. Shigella	
e. None of the above	
Q2. TRUE OR FALSE AND CORRECT THE FALSE SENTENC	ES (10M)
 Trachoma is considered as the first most common veneral disease. 	()
2. No vaccine for H.influenza	
3. Tetracycline is effective in treatment of rocky mountain spotted fever	()
Shiga toxin can not causing neurotoxic problems .	
Scalded skin syndrome is caused by S.pyogens.	()
6. Shigillosis is better responded to antibiotic than salmonellosis	()
 Vibreo cholera always infects human through its exotoxin. 	()
Plaque is caused by G -ve non motile rods.	()
9. Mycobacterium is very constluing.	()
si very small size bacteria that passed from Glesse	()-
10. A ligand is defined as abinding site on eukaryotic cell.	
11. Glycocalyx may be involved in adherence.	, ,
12. Travellers diarrhea is caused by enteropathogenic toxin.	()
13. Mycoplasma .hominis can metabolise plucose	()
14. L.pnemophilia is cultured on any medium easily.	()
15. Pertussigen is an exotoxin, that is the major cause of pertussis.	()
16. Ligoneers disease is less dangerous than Pontiac fever.	()
17. Normal flora present add	()
17. Normal flora prevent adherance of pathogenic bacteria .	()
16. O polysachande part helps in smoothness of	1 2 3 2 2
19. Inactivated vaccine produced by killing heat	()
and the state of t	()
20. In an attenuated vaccine is safely used with cancer patients	

3.ANSWER THE FOLLOWING QUI	ETTIONS	(1500)
Combiere rue tonowing abace	A CONTRACTOR OF THE PARTY OF TH	(310)
Penicillin produced byhashas		
1	2	
3	.4	
b) Mention about 4 Gram negative bacteria tr	ansmitted to human b	y inhalation (2M)
1		
3	4	
	AND DISCOURSE OF SHARE	
c) Mention about 6 bacteria affect on the gast	trointestinal of infected	human (3M)
	.2	24-14
3	.4	
5	63	
	500 47.4	
d) Case Report	Charles	******
A 4- year-old white girl , admitted for ho	spital running a fever	39°C , runny nose,
The second of th	AND THE PARTY OF THE PARTY OF	
fluid (CSF), CSF cultured on chocolate ag	ar and showed G-nega	tive bacteria
fluid (CSF), CSF cultures on	1	(7M)
de		
a- Define this bacteria (by cascade)	9	
	The same of the sa	
b- Its virulance factor	141	
	A. U.S.	
c- Drug of choice for this bacteria	1967	
C- IN UE V		

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Part II .Parasitology

Q4) PLEASE CHOOSE THE BEST CORRECT ANSWER

(15 M)

- 1. Mebendazole can killed all of the following helmintis except
- a. Ascaris lumbercoids
- b. Trichuris trichiura
- c. Strongyloids sterocoralis
- d Entrobius vermicularis
- e. None of the above

2.All of the following infection can transmitted orally except

- a. Ascaris lumbercoids
- b. Trichuris trichiura
- c. Strongyloids sterocoralis
- d.Entrobius vermicularis
- e.None of the above

3. Triciabenazole is effective in treatment of infection by

- a.schistosoma mansoni
- b. Fasciola hepatica
- c. Fasciola buski
- d. Entrobius vermicularis
- e.All of the above

4. Fasciola can infect humans by

- a. Cercaria
- b. Adult worm
- c. Cysticercus
- d. Metacercaria
- e.a and d

5. Tapeworm larval cyst (cysticercus) is infective form for which of the following

- a.schistosoma mansoni
- b. Fasciola hepatica
- c. Fasciola buski
- d. Tinea saginata
- e.All of the above

6. Which of the following trematoda are excreted in feaces?

- a. Schistosoma mansoni
- b. Fasciola hepatica
- c. Schistosoma Japonicum
- d. Schistosoma hematobiumi

e.a and c

7. Which of the following worms is not Nematoda?

- a-Ascaris lumbricoides
- b-Trichuris trichiura
- c- pinworm
- d-Strongyloides stercoralis
- e- Fashiola hepatica

of the following is incorrect about Ascaris lumbricoides? and large intestinal roundworm hat ages hatch in the upper small intestine. are destroyed by chemical disinfectant. for months in sewage, but are killed by heat. sist cough, wheezing, dyspnea. of the following is correct about whipworm? the scapes the shell in the upper small intestine and penetrates the villus each the ovipositing age in 7days from infection passed in feces, embryonate in moist soil within 2 to 3 months. d of the following is incorrect about Entrobius vermacularis? osis is made by finding eggs in perianal area, particularly at night non occurs when adult worm are ingested from the environment ponic larvae hatch in duodenum & reach adolescence in jejunum & upper ilium. worms descend into lower ilium, cecum & colon, live there for 7 to 8 weeks. ravid females, containing more than 10,000 eggs migrate, at night. ich of the following is incorrect about Teniasis? sicercus is ingested with poorly cooked infected meat eadult may live in the small intestine as long as 25 years is are consumed by cattle or pigs in which they hatch and form adult worm hich of the following is incorrect about Schistosoma mansoni? is infected by cercaria in fresh water by skin penetration. y mature and reach the mesenteric (S. hematobium) or the bladder (S. mansoni) es germinate & are excreted in feces (S. mansoni) or urine (S. hematobium). larval miracidium hatches out of egg & swims until it finds snail. If of the following statements concerning Ascaris lumbricoides is incorrect except: ne of the smallest nematode an not cause pneumonia resmitted by ingestion of cecaria onceds intermediate host All of the following statements concerning cestodes is incorrect except: alled whipworm saginata is more smaller than T.solium Cynicercus is ingested with poorly cooked infected mean The adult worm can not live in small intestine leolez (pear shaped head) is characteristic for Tenia saginata Fasciola hepatica

Tema solium

a and c

Schistosoma hematobiumi

Q5.TRUE (T) OR FALSE (F) AND CORRECT THE FALSE	15	
 Ingestion of embryonated eggs can cause infection by whipworm. 	(****
2- Swimmer ithing is characteristic for bilharziasis .	ì	-
3-Shistosoma is called intestinal flukes.	(1
4.S.hematobium diagonised in urine od patient.	è	,
5-H.nana is called giant tape worm	Ò	1
6- Cysticercosis resulting from T.saginata	. (V
7- Itching in the perianal at night is characteristic for Trichuris trichrura	(
8-Iverimectin is drug of choice for srongyloids sterocoralis, .	(
9- Infection by Fasciola hepatica through consumption of contaminated chestnut	.(12
10-Hepatomegaly is one of complication of Fashiola buski	(
Q6: X helmint cause skin itching when infect human, larva is the infec	ctive	SI
this worm	(5M)	,

a- What is X worm

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b- Explain the life cycle of X (by cascade)

COOR LINEY

BY MOLLAMMED BUSSERN TALES