microbiology dr Mohamed taleb final 2014







08/01/2014

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PLEASE CHOOSE THE BEST CORRECT AND

L Which of the following is incorrect about Neisseria?

- Are gram-negative diplococci k N. gonorrhoeae, the cause of gonorrhea
- N meningitidis, the cause of one form of meningitis.
- d The pathogenicity of Neisseria comes from capsules, pili, and exoctoxins
- Aand B are correct

2. The following characters are true about Neisseria gonorrhoeae except

- Gram-negative, aerobic bacteria
- b. Non-motile diplococci
- e Oxidase positive organisms
- d Air borne infection
- e a and b are correct

3. An example on tissue tropism of specific adherence

- a Ecoli K88
- b Plasmodium vivax
- c Group A streptococcal infection to human
- d. Streptococcal salivarus
- e None of these

4. Which of the following pathogen not causes urinary tract infection?

- E E coli
- h Protues
- c. Klebsilla
- d S.saprophyticus
- e. None of these

5. Which of the following is not correct about S. epidermis?

- ls a staphyllo coccus bacteria
- a Catalase positive
- c. Coagulase negative
- d Novobiocin resistant
- e la classic opportunistic pathogen

6.5, agiatica is

- G. positive bacilli
- b. B-hemolyticus staphyllococcus
- c Catalase negative
- d. Bacitracin sensitive
- All of the above

Which of the following is incorrect about Bacillus anthracis?

- Bacillus anthracis is the causative agent of anthrax.
- b. People become infected by the cutaneous route, inhalation, by ingestion.
- hs virulence factors include a number of endotoxins and the capsule.
- d his toxin are edema Factor ,lethal Factor ,protective Antigen
- Two vaccines are available for anthrax.

Which of the following is not an arthropod vector of rickettsioses?

- Louse
- Tick
- . Pica
- . Hone of the above

9. All of the following about Haemophilus influenza is correct except

- a. The capsulated strain of H. influenzae (type b) is most virulent a. The capsulated strain of H. introduction of absence of a capsule.

 b. Are divided on basis of capsular polysaccharides or absence of a capsule.
- b. Are divided on basis of capsular pass the main cause of meningitis in children.

 c. The non typebale H. influenzae was the main cause of meningitis in children.
- c. The non typebale H. influenzae of capsule, , is a major factor in virulence, d- Pathogenesis is refered to presence of capsule, , is a major factor in virulence.
- e- Cephalosporin is the antibiotic of choice in treatment.

10. The most frequent causal organism in human bacterial infection

- a. Vibrio cholera & Clostridium
- b. S.aureus & N.gonorrheou
- c. Mycobacterium & Psuedomanous
- d.S.epidermis & S.pygens
- c. E.coli & S. aureus

11. How would you distinguish Pseudomonas species from E-cloi?

- a. Gram staining
- Morphology
- c. Glucose fermentation Versus Respiration
- d. All of the above
- e . None of the above

12. The most infectious food borne disease is a. Tetanus

- b. Dysentery
- c. Gas gangrene
- d. Botulism
- e . None of the above

13. Which of the following about Bordettela pertussis is incorrect a. B. pertussis is oxidase positive but urease negative

- b. The most important toxin is pertussiigen.
- Causes whooping cough.
- d Is coccobacillus bacteria
- e. Has no vaccination

14. The cogulase test is used to differentiate

- a. Staphylococcus epidermidis from Neisseria meningitidis b. Staphylococcus aureus from Staphylococcus epidermidis
- c. Streptococcus pyogens from Staphylococcus aureus d. Streptococcus pyogens from Enterococcus faecalis

15. Each of the following agents is a recognized cause of diarrhea except

- d. Escherichia coli

None of the above

16. Which of the following about Shigella is incorrect? b Invades the epithelium lining layer

- c.Shiga toxin piays as hemolysin
- d. Usualy treated by ampicillin
- e. None of the above is incorrect

17. What is the usual habitat of endospore-forming bacteria that are agents of disease? The intestine of animals Dust and soil Water e None of the above 18. Many clostridial diseases require a/an environment for their development. Living tissue Anacrobic c Acrobic & Low-pH None of the above 19. Tuberculosis is spread by Contaminated fomites a Food & Respiratory droplets d vectors None of the above 20. Salmonellosis Transmitted from contaminated water Does not have ahuman reservoir Presents as convulsions and itching Commonly caused by Salmonella enteritidis None of the above is correct 21. The symptoms in scarlet fever are due to a Streptolysin L Coagulase e Pyrogenic toxin d. Alpha toxin 22. Hemolysis is the partial lysis of red blood cells due to bacterial hemolysins: . Gamma Alpha c. Beta d Delta . None of the above 23. Streptococci viridans commonly cause 2 pneumonia b. meningitis subacute endocarditis d otitis media All of the above 24. An important test for identifying Neisseria is Production of oxidase Production of catalase Sugar fermentation d Beta-hemolysis All of the above 25. Lecithinase is associated with Yersina pestis Clostridium perferinges Corynobacterium dipheteria d Clostridium botulinium Psuedomonas auroginosa

26. Vionella bacteria is

- a. Bacilli
- b. Aerobic Gram + ve cocci c. Anaerobic Gram - ve bacilli
- d. Anaerobic Gram +ve cocci

27. Which of the following is pleomorphic, non acid fast bacilli

- a. Lactobacillus
- b. Listeria
- c. Salmonella
- d.Proteus
- e.Corynobacterium

28. Protective antigen (PA) is related strictly to

- a. S.typhi
- b.N. meningitides
- c.B. anthracis
- d.L. pneumophilia
- e. C.trachomatis

29. Which of the following is consider as the smallest free living bacteria?

- a. Cocco bacillus
- b. Mycobacteria
- c.Chlamydia
- d. Mycoplasma
- d. Rickettsia

30. Ciprofloxacia is preferably used for treatment of

- a Listeriosis
- b. Tuberculosis
- c. Toxic shock syndrome
- d. Subacute endocarditis
- c. Anthrax

31. Enterotoxin responsible for food poisoning is secreted by

- a. E. coli
- b. Enterobacteriaceae
- c. Streptococci
- d. Staphylococci
- c. None of the above

32. Syphilis is asexual frausmitted disease enused by

- a. Gonococci
 - trphylococci

Q3, eponema pallidum reptococci

a, ione of the above

. The motile bacteria is

- Salmonella typhi
- 3. Klebsilla pneumoniae
- c. Bacillus anthracis
- d. Shigella dysentre
- e. None of the above

34. All the groups of bacteria have cell wall except

- a. Mycobacteria
- b. Mycoplasmas
- c. Clostridia
- d. Staphyllococci
- e bacilli

Which one of the following is a capsulated org	anism	4	
Which one of the		W. T. S. L.	and the last
Bacillus animacoli Bescherichia-coli Escherichia-coli Cosynebacterium			
CALL			
d Chlamydia d Chlamydia e None of the above e None of the above	toxin ?		
cake following is			
None of the above None of the following is incorrect about endors Which of the following is incorrect about endors Associated with LPS Associated with LPS Associated with the cell wall until			1,000
Association related into polysaccination attenual until	disintegration of bacteria		
h is toxic remains associated with the	a di basini		
h its toxicity remains associated with the cell wall units. Mostly, remains associated with the cell wall units. Mostly, remains associated with the cell wall units. Less potent & less specific than exotoxin. Less potent & less specific than exotoxin. They do not act enzymatically.			-
t Less do not act enzymatically.	7		
They do not act enzymanted.	sylation of elongation factor 2		
which of the following toxing at	eAnni canolin mente al accidente de la compa		
Shiga toxin		Verner Co.	
Shaga toxin Tetanus toxin			
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Pertussus toxin		- Trans. (1	
AND PROPERTY OF THE PARTY OF TH	manufactured in Computer will		
s. Klebsilla is agenus of	TO May 1	1970	7
Motile bacteria		367 (9)	
a -arityf			1
Cooci shaped bacteria			,
			0
Rapidly responses 9. Which of the following bacteria has no Hyalu	ronidase enzyme		
9. Which of the following Ductor		"	
CharacterCCCI		0.0	
n Latella Dellussus			
a L. Janacotts Burous		/	
Staphylococcus epiderinis	193)		
Chlostridia.	The Proof of spill !	The last transfer and the last transfer and the last transfer and the last transfer and transfer	
A Triple toxoid vaccine gives protection against			
0. Triple toxold vaccine gives	10	6	
Diphtheria, tetanus and Tuberculosis			
Tetanus, whooping cough, Tubblisheria	110.6	1 10 4	***
Tetanus, whooping cough, Tubeline Whooping cough, tetanus and Diphtheria	-		
Whooping cough, Carreet			
None of these	- 407		
disease.			
I. LISTEPHOSES WAS	12		
Food borne			
Water borne		163.0	
Milk borne	1954		
Air borne	100		
None of these			
DEGINES.			
Lyme disease is caused by	3.000		
Chlamydia			
Rickettsia	-1124 -		
Spirochaete			
Coccubacillus	A STATE OF THE PARTY OF THE PAR		
None of these 3. Rheumatic fever is most commonly caused by	0.00		
3. Rheumatic fever is most commonly cause			
Sicologogie viridans	4.7		
Sicologogene viridans			
Streptococcus pyogenes			
Streptococcus viridans Streptococcus, pyogenes Staphylococcus, aures Bordetalla participus			
Streptococcus viridans Streptococcus, pyogenes Staphylococcus, aures Bordetella pertussus All of these	6		

	Scarce term
	Whooping cough Diphteria
d	Cholera
e.	A III - C Sheete
100	5. Which of the following invasions act as exotoxin
45	Streptolysin
h.	Phospholipasee
C.	Coagulase
d.	Perussus AC
e.	Neuraminidase
Q	2.True or false and correct the false sentences
	Gonorrhoea is considered as first most common veneral disease.
a.	
ъ.	Many toxins are so toxic that they may be fatal.
c.	Clostridium botulinum & Haemophilus toxins are examples on exotoxin.
d.	Toxoid is a toxin free of antigenicity part.
	Type - I fimbria is a receptor of Enterotoxigenic E.coli .
e.	Collagenase convert fibrinogen to fibrin which caused clotting.
f.	
g	E.coli with the ability to produce extended-spectrum beta -lactamase
h.	N.meningiditis is the second most common cause of bacterial meningitis.
i.	Adenylate cyclae toxin of B. pertussis is endotoxin.
j.	Rocky mountain spotted fever is caused by Rickettsia Typhi.
k.	Rats is not transmitted the murine typhus .
L	Bacteria which cause a disease in a compromised host only is opportunistic pathogen.
m.	Vibreo cholera always transmitted by eating contaminated food
n.	Escherichia coli stains pink because it has a thin peptidoglycan layer
0.	Mycobacterium tuberculosis is G + ve bacilli ,spore former bacteria
	and the second of the second o
•	1 (2004)
ų,	. ANSWER THE FOLLOWING QUESTIONS
	Tetracycline has bacteriostatic on many bacteria. Numers : 6 bacteria
10000	nas bacteriostatic on many bacteria. Italia
1.	······································
	4
	T. D. Carlotte
5.	· 6
	B

44. Peniciiiin is the drug of choice for

a. Scarlet fever

	DISEASE	common bacteria cause disease (10M)
T		SERVICE METALES CONTRACTOR OF THE PROPERTY OF
+	Moist gangrene	
+	Tuberculosis	to Character and Address
+	Fruncie	
+	Travellers diarrhea	
+	Plague	ex increase a district and a series and the selection
+	Neonatal meningitis	Care Charles Annual Care Care Care Care Care Care Care Care
+	Toxic shock syndrome	Tipe a series
+	Whooping cough	
+	Enteric fever	
+	Pontiac fever	
\perp		(7M
, st	udy ©©©	that by fever, wheezing productive couph, weight loss , Bi
-,-	d en increase in WBC under	examination to determine type of bacteria , round per examination to determine type of bacteria , round per rod shape under the microscope, not acid fast bacteria, as rod shape under the microscope, not acid fast bacteria, as rod shape under the microscope, not acid fast bacteria, as
now.	stained with gram staining ,	rod shape tagella . from the above history .
wne	responded for many antibiotic	rod shape under the microscope, s ,with polar flagella . from the above history :
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is th	e source of infection?	***************************************
	y results from	and the same of the control of the c
	many diseases such that	
user	many discussion	

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Q4) PLEASE CHOOSE THE BEST CORRECT ANSWEI

1. Each of the following statements concerning Malaria is correct except

- a. The female anopheles mosquito is the vector
- Early infection, sporozoites enter hepatocytes
- c. Release of merozoites from red blood cells cause fever and chills
- d. The principal site of gametocyte formation is the human gastrointestinal tract.
- e. None of the above

2.In malaria, the form of plasmodia that is transmitted from mosquito to human is the

- a. Sporozoite
- b. Gametocyte
- c. Merozoite
- d. Hypnozoite
- e. None of the above

3. Which of the following agent is used to prevent Malaria

- a. Mebendazole
- b. Chloroquine
- Inactivated vaccine
- d. Pentostam "
- e. Spiramycin

4. Which of the following worms is a Cestoda?

- a-Ascaris lumbricoides
- b-Trichuris trichiura
- c- Pinworm
- d-Strongyloides stercoralis
- e- Hymenolepis nana

5. Which of the following is correct about Ascaris lumbricoides ?

- a- Considered small intestinal roundworm
- b- Infective eggs hatch in the lower small intestine.
- c- The eggs are resistant by chemical disinfectant.
- d- are not killed by heat.
- e- cough, wheezing, dyspnea are features of its pathogenisis

6.Each of the following statements concerning Ascaris lumbricoides is correct except:

- a. Is one of the largest nematode
- b. Can cause pneumonia
- c. Both dogs and cats are intermediate host of Ascaris lumbricoides
- d. A. lumbricoides is transmitted by ingestion of eggs
- e. None of the above

7. Which of the following is incorrect about trichuris trichiura?

- a-The female is larger than male
- b- The larva escapes the shell in the upper small intestine and penetrates the villus
- e- Mebendaole is not effective for its treatment
- d- May live as long as 5 to 6 years.
- e- Eggs passed in feces, embryonate in moist soil within 2 to 3 weeks.

Which of the following is incorrect about Entrobius vermacularis? piagnosis is made by finding eggs in perianal area, particularly at night piagnosis occurs when adult worm are ingested from the environment Embryonic larvae hatch in duodenum & reach adolescence in jejunum & upper ilium. Adult worms descend into lower ilium, cecum & colon, live there for 7 to 8 weeks. J-Adult worlds and the Adult world females, containing more than 10,000 eggs migrate, at night. World wide, the most prevalent helminthes to infect human is: Enterobious vermicularis. b Ascaris lumbricoides. - Hook worm. 4 Schistosoma mansoni. e None of the above 12. Which of the following is incorrect about Teninsis? . Caused by Cestoda Cysticercus is ingested with poorly cooked infected ment c. The adult may live in the small intestine as long as 25 years Gravid proglottids pass with the feces. Eggs are consumed by cattle or pigs in which they hatch and form adult worm II- The pathological changes in Schistosomiasis are caused mainly by : a- Immature eggs. b. Mature eggs. c- Adult worm. d. Cercariae. e. None of the above 12. Which of the following is incorrect about Schistosoma mansoni? Man is infected by cercaria in fresh water by skin penetration. b-The cercaria travel through the venous circulation e-They mature and reach the mesenteric (S. hematobium) or the bladder (S. mansoni) d-Eggs germinate & are excreted in feces (S. mansoni) or urine (S. hematobium). e-The larval miracidium hatches out of egg & swims until it finds snail. 13- Infection with Fasciolopsis buski is through : - Skin penetration. b-Ingestion of egg. c-Ingestion of encysted metacercariae. d Eating of infected liver. e. All of the above 14 Intestinal amochiasis in large bowel is characterized by: Atrophy of villi. b-Obstruction of intestine. c- Constinution. 6- Flask-like ulceration. 15. Each of the following statements concerning Giardia lamblia is correct except: Has both a trophozoite and cyst stage in its life cycle b. Transmitted by fecal oral route from both human and animal sources Causes hemolytic anemia d. Can be diagnosed by the string test

None of the above

16.Each of the following statements concerning Trichomonas vaginalis is correct except:

- a. Transmitted sexually
- b. Can be diagnosed by visualizing the trophozoite
- c. Can be treated effectively with metronidazole
- d. Causes bloody diarrhea
- e. None of the above

17. Which of the following is luminal protozon

- a. Gardia lambilia
- b. Pin worm
- c. Trichomonas vaginalis
- d.Blantidium coli
- e.Entamoeba histolytica

18.The infective stage of trypnosomiasis is :

- a. Metacyclic trypomastigote
- b. Epimastigote
- c. Trypomastigote
- d. Amastigote
- e. None of the above

19. Which of the following about leishmaniasis is incorrect

- a. L. donovam causes visceral leishmaniasis
- b. The amastigote transform into promastigote in the gut of sandfly
- c. Dogs & rodeuts are common reservoirs
- d. Pentamidine isethionate is used as drug of choice
- c. Consider as blood protozoal disease

20. Each of the following statements concerning kala-azar is correct except:

- a. Untreated disease results in death
- b. Transmitted by the bite of sandflies
- c. Caused by L. tropica
- d. Called Dundum fever
- e. Consider the most dangerous leishmaniasis

Q5) Fill the following spaces by suitable word

<u>Ascariasis</u>	Teniasis	Bilharia
	It is one of Cestoda	
		Caused by 5
Treated by Mebendazole		
Transmitted by ingestion of contaminated food		
Round worm	-	

Group A	GroupB	No
Strongloides sterocoralis	Entroblus vermacularis	_
Ivermectin	Penetrates the skin	-
Triclabendazole	Is effective in prophylaxis of leishmaniasis	-
Pin worm	Is used to treat thread worm	-
Pentamidine isethionate	Causes the commonest helminthic infection	
Acidification of media	Is effective in treatment of Fasciola hepatica	
Itching and restlessness caused by	Is used in treatment of entroblasis	H
Cystogen	Adviced for trichomanas vaginalis infection	
Metrinidazole	is used to treat cyst of entamebiasis	
Pyrental Pamoate	Is used for trophozoite of Gardia	

COOD LUCK OGG

THE MOMENTURED HUSSEIN TALED