2406000102030701 ms/gmos/self a **EXAMINATION JANUARY 2024**

BACHELOR OF MEDICINE AND BACHELOR OF SURGERY (SECOND YEAR) MICRORIOLOGY (PAPER - I.) (NEW.) (OMR.)

Time: As Per S	Schedule]		[Max. Marks: 100]
Instructions:	neoforce of the state of the st	Language of the Control of the Contr	Seat No:
a. Name of	y the following details on y the Examination: BACHEI LOR OF SURGERY (SEC	LOR OF MEDICINE AND	Mg .3
b. Name of		LOGY (PAPER -I) (NEW)	9. Which to
c. Subject (Code No : 24060001020307	01	Anary organice
2. Sketch neat ar	nd labelled diagram whereve	r necessary.	A Ures
3. Figures to the4. All questions	right indicate full marks of	the question.	Ct.dt'- C:t
4. All questions	are compuisory.		Student's Signature
	A Parada de de la Company	icrobiology: Paper-I	
Q.1 MCC	Qs Caluma lana-lanal sala		20
. 1		e cocci that form grape-like cl	
	*	B. Staphylococcus	
	C. Enterococcus	D. Pneumococcus	
2	. The immunoglobulin pr	redominant in secretions like s	aliva and tears is:
	A. IgA	B. IgG	
	C. IgM	D. IgE	
3		nod used to detect acid-fast bac	
	A. Gram staining	B. Ziehl-Neelsen staining	
	C. India ink staining	D. Methylene blue stainin	g
4	. The causative agent of	amoebic dysentery is:	
	A. Giardia lamblia	B. Entamoeba histo	olytica
	C. Cryptosporidium par	rvum D. Balantidium co	li C. Shige
5	. The toxin responsible f	for food poisoning caused by C	Clostridium
	botulinum is:		
		B. Botulinum toxin	
	A. Endotoxin C. Tetanospasmin	D. Exotoxin A	anido ry

	C. Lectin pathway	D. Terminal pathway
7.	The causative agent of typi	hoid fever is:
IW	A Escherichia coli	B. Salmonella typhi
	C. Shigella flexneri	D. Vibrio cholerae
	Ne Xele	
8.	The immunoglobulin response	onsible for anaphylactic reactions is:
	A. IgE	B. IgA
	C. IgM	D. IgG MALENDARI MARINEN PROPERTY SERVICES AND ASSESSED FOR SERVICES A
	La scrite Valentina e e	BACHELOR OF SURGERY (SECOND YEAR)
9.		irm the diagnosis of Helicobacter pylori
	infection?	B. ELISA for antibodies
	A. Urease breath test	D. All of the above
	C. Stool antigen test	D. All of the doors
1(). Name the organism that ca	auses gas gangrene:
11	A. Clostridium perfringen	
	C Clostridium tetani	D. Escherichia coli
	C. Clobillatanii II	
1	1. Which hepatitis virus is tr	ansmitted via the fecal-oral route?
	A. Hepatitis B	B. Hepatitis C
		D. Hepatitis D
1		a zoonotic bacterial infection?
		B. Leptospira interrogans
	C. Vibrio cholerae	D. Shigella flexneri
1	3. The gold standard for mal	laria diagnosis is: goldung off south it
		r B. Rapid diagnostic tests
	C. ELISA for antigens	D. PCR gainists Initial Co
1	4 The congetive organism of	of pseudomembranous colitis is:
1	A. Escherichia coli	B. Clostridium difficile
	C. Shigella dysenteriae	D. Salmonella typhi
	C. Snigeria dysenieriae	D. Samonena typin
1	5 The organism associated	with peptic ulcer disease is:
1	A. Helicobacter pylori	B. Escherichia coli
	C. Shigella flexneri	D. Vibrio cholerae
	C. Shigena Healteria my	C. lelapospostatia

[2 of 4]

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6. The complement pathway that is antibody-dependent is called:
A. Classical pathway B. Alternative pathway

	16. What is the major vector for	or Dengue fever?
	A. Aedes aegypti mosquito	
	C. Culex mosquito	D. Sandfly
	17. Which organism is associa	ted with prosthetic valve endocarditis?
	A. Staphylococcus epidern	
	C. Escherichia coli	D. Enterococcus faecalis
		used for identifying Cryptococcus
	neoformans:	D. India ink staining
	A. Gram stain	D. Ilidia liik Stalling
	C. Ziehl-Neelsen stanning	D. Lactophenol cotton blue
		the first to be produced in a primary immune
	response?	Wayna one with the to weathered the
	A. IgA	B. IgG
	C. IgM	D. IgE
	20. Rocky mountain snotted for	ever is due to
	A. R. rickettsii	B. R. prowazekii
	C. R. typhi	D. R. conoril
		Section 02
Q.2	Essay-	D Parimonal 1
		to the first of the same brown
	Describe in detail the structure ar	nd function of the cell wall and cell membrane
	of a gram-negative rod with the h	
Q.3	of a gram-negative rod with the h	nelp of a diagram.
Q.3	of a gram-negative rod with the h	nelp of a diagram.
Q.3	Answer in Brief(Any 4 out of 5	nelp of a diagram. 5) apponents of the innate immune system, and
Q.3	Answer in Brief (Any 4 out of 5 1. What are the primary combow do they differ from the	nelp of a diagram. 5) nponents of the innate immune system, and hose of the adaptive immune system?
Q.3	Answer in Brief (Any 4 out of 5 1. What are the primary comhow do they differ from the company of the company	nelp of a diagram. 5) nponents of the innate immune system, and hose of the adaptive immune system? acture & Function of the Bacterial Cell wall
Q.3	Answer in Brief(Any 4 out of 5 1. What are the primary comhow do they differ from the company of the company o	nelp of a diagram. 5) nponents of the innate immune system, and hose of the adaptive immune system? acture & Function of the Bacterial Cell wall stration of cel wall
Q.3	Answer in Brief (Any 4 out of 5 1. What are the primary comhow do they differ from the comparison of	nelp of a diagram. 5) nponents of the innate immune system, and hose of the adaptive immune system? neture & Function of the Bacterial Cell wall stration of cel wall of action of beta-lactam antibiotics.
Q.3	Answer in Brief (Any 4 out of 5 1. What are the primary comhow do they differ from the compact of the compact	nelp of a diagram. 5) nponents of the innate immune system, and hose of the adaptive immune system? acture & Function of the Bacterial Cell wall stration of cel wall

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Section 03

Q.4	A 35-year-old male presents with high-grade fever, fatigue, and new onset of a heart murmur. Blood culture grows Streptococcus viridans.	12
	1. What is the likely clinical condition?	2
	2. Discuss the pathogenesis of this condition.	5
	3. Describe the laboratory diagnosis and treatment options	5
Q.5	Answer in Brief (Any 4 out of 5)	28
	1. Describe the laboratory diagnosis of amoebic liver abscess	
	2. Explain the laboratory diagnosis of typhoid fever.	
	3. Write about Clostridium difficile infections and their management.	
	4. Importance of effective communication skills in Doctor-Patient relationship	
	5. Pyrexia of unknown origin: definition, causes and diagnostic test used	
	*****END****	

2406000102030702 EXAMINATION JANUARY 2024 BACHELOR OF MEDICINE AND BACHELOR OF SURGERY (SECOND YEAR) MICROBIOLOGY (PAPER - II) (NEW) (OMR)

Instructions:	Seat No:
 Fill up strictly the following details on your a Name of the Examination : BACHELOR BACHELOR OF SURGERY (SECOND b. Name of the Subject : MICROBIOLOGY (OMR) 	OF MEDICINE AND TO YEAR)
c. Subject Code No: 2406000102030702	A Accommodate of the second
 Sketch neat and labelled diagram wherever necessions. Figures to the right indicate full marks of the quality. 	
4. All questions are compulsory.	Student's Signature
	lifeave except
of the state of th	a Trichinella soiralis baqu
Microb	biology: Paper-II
d. Adenoviststanders	Section 1 (motodorom mote-max)
Q.1 MCQ	a Tennis rackut appearance
Q.1 MCQ and the same standard do	c. Drunstick argegrance
1. The fungus that exhibits sept	tate hyphae with dichotomous branching on
KOH mount is:	
a. Cryptococcus	b. Mucor
c. Penicillium	d. Aspergillus
2. Rhinosporidiosis is character	rized by all the following except:
a. It is caused by a fungu	
b. The fungus is usually	
c. It manifests as polyps	
d. It can be cultured easi	
d. It can be cultured easi 3. Total number of categories i a. 10 b. 8 c.	
3. Total number of categories i	

c. Chocolate agar	d. Sabouraud's agar
E AND BACHELOR OF S	
5. Buruli ulcer is caused by:	1 1 1
a. M. xenopi	b. M. malmoense
c. M. scrofulaceum	d. M. ulcerans
6. Neisseria gonococcus is primarily a	associated with which of the
following conditions?	
a. Genital infections	b. Pharyngitis
c. Meningitis	d. Skin abscess
7. Ecthyma gangrenosum is caused by	AND SUPPLY OF SUPPLY AND SUPPLY OF SUPPLY OF THE SUPPLY OF
a. Brucella	b. H. influenzae
c. Pseudomonas	d. Bordetella
C. I Setteomonas	a sit to sherr this stealing when sheet asso
8. Which of the following intestinal p	arasites migrate to the lung in their
lifecycle, except:	
a. Trichinella spiralis	b. Ancylostoma duodenale
c. Ascaris lumbricoides	d. Strongyloides stercoralis
9. Gram-stain morphology of Bacillus	anthracis is:
a. Tennis racket appearance	b. Bamboo stick appearance
c. Drumstick appearance	d. Spectacle glass appearance
c. Dimistick appearance	d. Specialic glass appearance
10. Epstein-Barr virus is associated with	th the following malignancies, except:
a. Nasopharyngeal carcinoma	b. Burkitt's lymphoma
c. Carcinoma of the cervix	d. Non-Hodgkin lymphoma
11. Which of the following is vector for	or leishmaniasis:
a. Sandfly	b. Reduvid bug
c. Anopheles mosquito	d. Tsetse fly
forest in dirty water.	b. The fungits is usually
12. Cryptococcus neoformans is most	likely to cause:
a. Pulmonary infection	b. Meningitis
c. Skin infections	d. Bone infections
13.MGIT used in tuberculosis diagnos	sis is:
a. Automated culture	b. Biochemical test
c. Microscopic method	d. None of the above

Which medium is preferred for culturing Mycobacterium tuberculosis?
 a. MacConkey agar
 b. Lowenstein-Jensen medium

- 14. Which of the following fungus DOES NOT infect nail:
 - a. Trichophyton

b. Epidermonhyton

c. Microsporum

- d. Candida albicans
- 15. The amplifier host for Japanese B Encephalitis is:
 - a. Ardeid birds

b. Pigs

c. Forests

d. Herons

- 16. Neisseria meningitidis primarily causes:
 - a. Meningitis

b. Urethritis

c. Endocarditis

d. Pharyngitis

17. The fungus that causes mucormycosis most commonly belongs to which genus?

a. Rhizopus

b. Candida

c. Cryptococcus

d. Aspergillus

- 18. Which of the following statements about the shape of the virus is correct?
 - a. Rotavirus Wheel-shaped
 - b. Tobacco Mosaic Virus Filamentous-shaped
 - c. Ebola Virus Rod-shaped
 - d. Adenovirus Brick-shaped
- 19. MRSA is mediated due to

a. Plasmid

b. mecA gene

c. .Transposons

d. None

20. All of the following antimicrobial agents act on cell membrane, except

a. .Gramicidin

b. Daptomycin

c. Polymyxins

d. Vancomycin

Section 2

Q.2 Essay -

12

A 35 year old female from a village of Bihar came to the hospital with history of fever on and off for the past one year and recently developed unilateral swelling of the left lower limb. Her blood sample was sent for peripheral blood smear examination which revealed worm like structures, 240 um in length with pointed tail tip.

	1. Name the disease and its etiological agent.	2
	2. Describe the life cycle, pathogenesis and laboratory diagnosis of this	5
	condition. well address to be a selected and selected as the s	
	3. Explain prevention and treatment of this clinical condition.	5
Q.3	Answer in Brief(Any 4 out of 5)	28
	1. Cutaneous fungal infections.	
	2. Overview of zoonotic infections affecting the musculoskeletal system.	
	3. Pyogenic infections in skin and soft tissues.	
	4. BCG vaccine.	
	5. Streptococcal pharyngitis.	
	Section 03	
Q.4	What are catheter-associated urinary tract infections (CAUTIs)?	12
	Explain their causes, symptoms, and preventive measures.	
0.5	Answer in Brief(Any 4 out of 5)	28
	1. Mechanisms of antimicrobial resistance in hospital-acquired infections.	
	2. Laboratory diagnosis of bacterial meningitis.	
	3. Role of Candida albicans in bloodstream infections.	
	4. Nongonococcal urethritis.	
	5. Cryptococcus Meningitis	

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2106000102030101 Examination February – March 2024 SECOND MBBS

MICROBIOLOGY (PAPER - I) - LEVEL 3

Γime:	: Three Hours]	100	et situation	[Max. Ma	
1. Fill	netions: I up strictly the following details on your a Name of the Examination : SECOND MB Name of the Subject : MICROBIOLOGY LEVEL 3	DO			Seat No:
2. Ske pen/pe 3. Fig 4. All 5. Wr	Subject Code No: 2106000102030101 etch neat and labelled diagram wherever neces encil only. gures to the right indicate full marks of the qual questions are compulsory. ite heading of each question properly. ite legibly.		h blue	Studen	t's Signature
	THE MALE BY LONG TO SERVICE	13.25 Un	i yani uni wasiliwa ka	E Tourn	
	(General Microbiology, Immunology	, Infectio	ons of Blood	stream &	
	(General Microbiology, Immunology cardiovascular system, Gastro intest	, Infectio	ons of Blood t & Hepatol	stream & oilliary	
	(General Microbiology, Immunology	, Infectio	ons of Blood t & Hepatol	stream & oilliary	
Q.1	(General Microbiology, Immunology cardiovascular system, Gastro intestinguished)	, Infectio	ons of Blood t & Hepatob	stream & oilliary	1*20=20
Q.1	(General Microbiology, Immunology cardiovascular system, Gastro intesti system) Multiple choice questions (MCQs).	, Infection	t & Hepatol	oilliary	1*20=20
Q.1	(General Microbiology, Immunology cardiovascular system, Gastro intesti system) Multiple choice questions (MCQs). 1. Most common protozoan parasi	, Infection in al reac	t & Hepatol	ntorrhea is:	1*20=20
Q.1	(General Microbiology, Immunology cardiovascular system, Gastro intesti system) Multiple choice questions (MCQs).	te respon	t & Hepatol	atorrhea is:	1*20=20
Q.1	(General Microbiology, Immunology cardiovascular system, Gastro intesti system) Multiple choice questions (MCQs). 1. Most common protozoan parasi A. Giardia lamblia C. Entamoeba coli 2. Test done to differentiate between	te respon B. D.	sible for Stea Entamoeba Enteromona genic and no	atorrhea is: histolytica s hominis	1*20=20
Q.1	(General Microbiology, Immunology cardiovascular system, Gastro intesti system) Multiple choice questions (MCQs). 1. Most common protozoan parasi A. Giardia lamblia C. Entamoeba coli 2. Test done to differentiate betwee strains of Staphylococcus aureur	te respon B. D.	sible for Stea Entamoeba Enteromona genic and no	atorrhea is: histolytica s hominis	1*20=20
Q.1	(General Microbiology, Immunology cardiovascular system, Gastro intesti system) Multiple choice questions (MCQs). 1. Most common protozoan parasi A. Giardia lamblia C. Entamoeba coli 2. Test done to differentiate between	te respondent B. D. Seen Pathons is	sible for Stea Entamoeba Enteromona genic and no Catalase tes	atorrhea is: histolytica s hominis	
Q.1	(General Microbiology, Immunology cardiovascular system, Gastro intesti system) Multiple choice questions (MCQs). 1. Most common protozoan parasi A. Giardia lamblia C. Entamoeba coli 2. Test done to differentiate betwee strains of Staphylococcus aureu A. Oxidase test	te respondence Pathons is B. D.	sible for Stea Entamoebal Enteromona genic and no Catalase tes Glucose fer	atorrhea is: histolytica s hominis npathogenic	
Q.1	(General Microbiology, Immunology cardiovascular system, Gastro intesti system) Multiple choice questions (MCQs). 1. Most common protozoan parasi A. Giardia lamblia C. Entamoeba coli 2. Test done to differentiate betwee strains of Staphylococcus aureu A. Oxidase test C. Coagulase test	te respondence B. D. D. Sen Pathons is B. D. mitted by	sible for Stea Entamoebal Enteromona genic and no Catalase tes Glucose fer	atorrhea is: histolytica is hominis inpathogenic t mentation test	

[1 of 5]

- Infection with Plasmodium falciparum is suspected if the infected RBC is
 - A. Normal in size
 - B. showing multiple infections
 - C. Both (A) and (B)
 - D. shows motile form inside the RBCs
- 5. Which of these techniques is not used for cultivation of viruses
 - A. Inanimate culture media

B. Tissue culture

C. Animal inoculation

- D. Embryonated egg
- 6. Rocky mountain spotted fever is due to
 - A. R. rickettsii

B. R. typhi

C. R. prowazekii

D. R. conorii

- 7. IgE
 - A. Protects body fluids
 - B. Protects body surfaces
 - C. Protects blood stream
 - D. Mediates reaginic hypersensitivity
- 8. Negri bodies of Rabies are
 - A. Intracytoplasmic eosinophilic inclusions with basophilic inner granules
 - B. Intracytoplasmic basophilic inclusions with basophilic inner granules
 - C. Intracytoplasmic acidophilic inclusions with basophilic inner granules
 - D. None of the above
- Transduction is a method of gene transfer from one bacteria to another by
 - A. Passage of genetic material through sex pilli
 - B. Direct cell to cell contact and protoplasmic fusion
 - C. Plasmids transfer
 - D. Cross infecting Bacteriophages

10. In Gram's staining " Gull wing	" shape is seen in
A. Yersinia pestis	B. Vibrio cholerae
C. Acinetobacter	D. Campylobacter
11. CBNAAT is	sounds and a town result in a low 90.
 A. Chip based nucleic acid am 	plification test
 B. Cartridge based nucleic acid 	l amplification test
C. Both (a) and (b)	
D. None of the above	
12. Production of germ tube within character for	2 hours serves as identification
	B. Compression and Compression
A. Ray fungus	B. Cryptococcus neoformans D. Candida albicans
C. Rhizopus	
13. Which of the following parasit	es cause megaloblastic anemia
A. Diphyllobothrium latum	B. Taenia solium
C. Ancylostoma duodenale	D. Echinococcus granulosus
Character and the state of	stated at page 51-20. When an entaining the best
14. RA factor in Rheumatoid arthr	
A. Antigen	B. Auto-antibody
C. Hapten	D. Antibody
15. Graft between two individuals	sharing same genetic constitution
and the control of th	To not remember of the statement of the
CONTRACTOR OF THE PARTY OF THE	B. Isograft
C. Zenograft	D. Autograft
1	ome discussion encount dismin
	found inside the core of the virus
A. DNA Polymerase	B. Reverse transcriptase
C. Neuraminidase	D. RNA Polymerase
	Tel en el en en el e
17. Amastigote forms of Leishman	- 10 Total (1974)
A. The cells of Reticuloedothe	nai system
B. Red blood cells	
	memodique) de converte beading le convention i
D. Digestive tract of insect vec	etor Ampley pathidalagail
18. RAST detects hypers	ensitivity reaction
A. Type I	B. Type II
C. Type III	D. Tyne IV
in the second second to the second se	naco pera lata i ican Variabego Mencahana i

with the straight in desirant with the control of

	19. In PCR, denaturation occurs at			
	A. 55°C	B. 72°C		
	C. 95°C	D. None of the above		
	20. Which of these is not a live attenua	ated vaccine		
	A. TAB	B. MMR		
	C. Sabin's vaccine	D. BCG	80	
	SECTIO	N-II		
1				
(Ger	neral Microbiology, Immunology)			
Q.2	Essay type question / clinical scenario b	ased.	12	
	Paller & Day 12 (Day 12 12)	- f and transfer and discuss		
	Enlist & Describe in Detail about method			
	the mechanisms of drug resistance in bact			
		manth paster that is the first of the	7*4=28	2
Q.3	Short Note (any 4 out of 5)	regarded to	/ 1 20	•
	1. Mechanism of Bacterial Pathogenesis			
	2. Describe in detail the structure & Fun			
	& write methods of Demonstration of			
	 Write in detail about Immune comple reaction. 	x mediated hypersensitivity		
	 Classify immunity. Describe the various innate/acquired immunity. 	ous mechanism of		
	5. Draw the two common complement a	ctivation pathways and		
	describe the importance of compleme			
12	SECTION	N – III		
	SECTION	Marie Company of the Party of t		
	ctions of Blood stream & Cardiovasc tobilliary system)	ular system, Gastro intestina	l react	8
Q.4	Essay type question / clinical scenario be	ased.	12	
	Enumerate Hepatitis Viruses and their mod viral markers, Treatment & Prophylaxis of			
		100 mm		

Q.5	Short	Note	(any 4	out	of 5)
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7*4=28

- A 35 year old male was admitted in causality with complain of severe colicky abdominal pain. Patient gave H/O of stool passage of blood and mucus with foul smell for last few days. Wet mount stool preparation showed motile protozoa with pseudopodia. On examination tenderness in right hypochondrium and mild hepatomegaly is found.
 - a. What is the most probable cause for this condition?
 b. Write pathogenesis of this condition.
 c. Write the details of diagnostic modalities of above condition.
- A 25 year old man from urban area admitted in hospital presented with high fever, headache, and retro orbital pain, sever back pain for 5 days and bleeding nose today morning. On examination rash are seen on the body. Blood reports shows platelet count is 20,000/mm3.
 - a. What is the most probable cause for this condition?
 b. Write pathogenesis of this condition.
 c. Write the details of laboratory diagnosis of above condition.
 3
- Enumerate the nematodes infesting intestine. Describe the life cycle, laboratory diagnosis of any one of them.
- Classify Rickettsia. Describe the etiology, pathogenesis, laboratory diagnosis of spotted fevers.
- 5. Rheumatic Fever

2106000102030102

Examination February – March 2024 SECOND MBBS MICROBIOLOGY (PAPER - II) - LEVEL 3

Time: Three Hours]	[Max. Marks: 100]			
Instructions:	Seat No:			
Fill up strictly the following details on your answer book a. Name of the Examination: SECOND MBBS b. Name of the Subject: MICROBIOLOGY (PAPER - II) - LEVEL 3 c. Subject Code No: 2106000102030102 Sketch neat and labelled diagram wherever necessary with blue				
pen/pencil only. 3. Figures to the right indicate full marks of the question. 4. All questions are compulsory. 5. Write heading of each question properly 6. Write legibly	Student's Signature			

SECTION-I

(Infections of skin soft tissues & musculoskeletal systems, Respiratory system, Infections of central nervous system, genitourinary system, Hospital acquired Infections, Miscellaneous)

Q.1 Multiple choice questions (MCQs).

1*20=20

- 1) PRAS is
 - A. Pro-Reduced Anaerobic system
 - B. Pro-Reduced Aerobic system
 - C. Pre-Reduced Anaerobic system
 - D. Pre-Reduced Aerobic system
- The fungus that exhibits septate hyphae with dichotomous branching on KOH mount is
 - A. Cryptococcus
- B. Penicillium

C. Mucor

D. Aspergillus

 Differentiating feature of Nei meningitides is? 	sseria gonococcus from Neisseria
A. Oxidase Positive	B. It ferments glucose
C. It ferment Maltose	D. It reduce Nitrates
4) Proteus antigen cross react wi	
A. Klebsiella	B. Rickettsiae
C. Chlymydiae	D. E.coli
5) The common cause of Pneumon patients is	onia in immunocompromised
A. C. tropicalis	B. P. jiroveci
C. C. A. niger	D. P. marneffi
The following are moments of A. After touching a patient	
 B. Before any aseptic proced 	
C. After touching patients su	rroundings
D. All of the above	
7) Total number of Categories in	BioMedical Waste are
A. 10	B. 6
C. 4	D. 2
8) MGIT used in tuberculosis diag	gnosis is actually
A. Automated culture	B. Biochemical test
C. Microscopic method	D. None of the above
9) Buruli ulcer is caused by	
A. M. xenopi	B. M. scrofulaceum
C. M. malmoense	D. M. ulcerans
10) The amplifier host for Japanese	e B Encephalitis is
A. Ardeid birds	B. Pigs
C. Egrets	D. Herons
11) Epstein-Barr virus is associated malignancies except	I with the following
 A. Nasopharyngeal carcinoma 	B. Burkitt's lymphoma
C. Carcinoma of cervix	D. Non-Hodgkin lymphoma

12) Which of the following is corre	ct statement regarding the shape
of the virus	A Contract and the contract of
A. Rota virus- wheel shape	
B. Tobacco mosaic virus- Fila	mentous shape
C. Ebola virus- Rod shape	
D. Adeno virus- Brick shape	
	- MUN F 3-2
13) Guinea worm disease is caused	lby
A. Schistosoma haemotobium	B. Ancylostoma duodenale
C. Trichinella spiralis	D. Drancunculus medinensis
14) In Influenza, antigenic drift is	due to
A. Point mutation	due to B. Deletion mutation
	D All of the above
or steel to be recently	
15) The following intestinal parasi	te migrate to lung in their life
cycle except	
A. Trichinella spiralis	B. Ascaris lumbricoides
C. Ancylostoma duodenale	D. Strongyloides stercoralis
r (kauji le vojskom o	nor time call Congarly of the emission are
16) The following fungus infect C	entral Nervous system except
A. Mucor	B. Aspergillous
	D. Acremonium species
Without abalence of hear	
	d by
	B. Staphylococcus aureus
C. Yersinia pestis	D. Rhodococcus equi
A second 2 st	TANGER AND
18) All of the following parasites	can cause encephalitis except
A. Acanthamoeba	B. Ascaris lumbricoids
C. Toxoplasma gondii	D. Naegleria
C. Tokopiusiin Bonon	
19) Koch-Weeks bacillus is	appetral susser free his energy part of a
A. Haemophilus aegyptius	≠cetous to act = 165 € sector

B. Haemophilus ducreyi

C. Haemophilus parainfluenzae D. Haemophilus hemolyticus

100

- 20) Ecythyma gangrenosum is caused by
 - A. Moraxella lacunata
 - B. Stenotrophomonas maltophila
 - C. Pseudomonas aeruginosa
 - D. Burkholderia pseudomalle

SECTION - II

(Infections of skin soft tissues, musculoskeletal systems & Respiratory system)

Q.2 Essay type question / clinical scenario based.

12

A 5 year old boy presented to the pediatric OPD with H/O pain in throat and difficulty in swallowing. He had low grade fever for the past 2 days. On examination he was found to have cervical lymphadenopathy and tonsillar pillars were covered by gray-white discharge. (On examination a grey brown color thick fibrinous membrane on the pharynx). His vaccination card showed that the child's immunization was not complete.

- What is the clinical condition?(1 mark)
- Name the most probable etiological agent responsible for this condition. (1 mark)
- 3. Write in detail the pathogenesis of the condition. (4 marks)
- Write in details of laboratory diagnosis & treatment of above condition, (4+2 marks)

Q.3 Short Note (any 4 out of 5)

7*4=28

- Discuss skin and soft tissue infections caused by Staphylococcus aureus. Write its lab diagnosis
- 2. Cutaneous leishmaniasis
- 3. Mycetoma
- 4. Mumps
- Discuss the vaccine against Poliomyelitis.

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|4 of 5|

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SECTION - III

(Infections of central nervous system, genitourinary system, Hospital acquired Infections, Miscellaneous)

Q.4 Essay type question / clinical scenario based.

12

Define HAI. Enlist major types of HAI. Explain Standard precaution & write Detail about Hand Hygiene. Write in detail about bundle care approach for prevention of devise associated Infection

Q.5 Short Note (any 4 out of 5)

7*4=28

- A 25-year-old Australian visited his local doctor complaining of difficulty in swallowing liquids, loss of appetite and restlessness. He had a travel history to India one month back and did mention being bitten by a street dog.
 - a. What is the most probable etiological diagnosis?
 - Discuss the laboratory diagnosis and the vaccines available for human use.
- Define and describe the properties of an Idea Disinfectant. Enumerate the various Disinfecting agents and their applications.
- Classify anaerobes. Describe the aetiology, pathogenesis, lab diagnosis and prophylaxis of tetanus.
- 4. Non gonococcal urethritis
- Congenital toxoplasmosis.
