SEAL

D. Pharma University Exam Papers | B. Pharma University Exam Papers | GPAT, NIPER, Pharmacist, Drug Inspector Exam Papers | Previous Year Exam Papers |

Latest Pharma Job | Pharma Colleges | Pharma News | Pharma Quiz

Sl. No.:

Visit - pharmacyindia.co.in

	 	-	-	- 1		1
Register	- 1					
Number						 1

2019

M.D. MICROBIOLOGY (PG Degree Std.)

Time Allowed: 3 Hours

[Maximum Marks: 300

DJMB/19

Read the following instructions carefully before you begin to answer the questions.

IMPORTANT INSTRUCTIONS

- The applicant will be supplied with Question Booklet 15 minutes before commencement of the examination. 1.
- This Question Booklet contains 200 questions. Prior to attempting to answer, the candidates are 2. requested to check whether all the questions are there in series and ensure there are no blank pages in the question booklet. In case any defect in the Question Paper is noticed, it shall be reported to the Invigilator within first 10 minutes and get it replaced with a complete Question Booklet. If any defect is noticed in the Question Booklet after the commencement of examination, it will not be replaced.
- Answer all questions. All questions carry equal marks. 3.
- You must write your Register Number in the space provided on the top right side of this page. Do not 4. write anything else on the Question Booklet.
- An answer sheet will be supplied to you, separately by the Room Invigilator to mark the answers. 5.
- You will also encode your Question Booklet Number with Blue or Black ink Ball point pen in the space 6. provided on the side 2 of the Answer Sheet. If you do not encode properly or fail to encode the above information, action will be taken as per Commission's notification.
- Each question comprises four responses (A), (B), (C) and (D). You are to select ONLY ONE correct 7. response and mark in your Answer Sheet. In case you feel that there are more than one correct response, mark the response which you consider the best. In any case, choose ONLY ONE response for each question. Your total marks will depend on the number of correct responses marked by you in the Answer Sheet.
- In the Answer Sheet there are four circles (A), (B), (C) and (D) against each question. To answer the 8. questions you are to mark with Blue or Black ink Ball point pen ONLY ONE circle of your choice for each question. Select one response for each question in the Question Booklet and mark in the Answer Sheet. If you mark more than one answer for one question, the answer will be treated as wrong. e.g. If for any item, (B) is the correct answer, you have to mark as follows:

(C) (D)

- You should not remove or tear off any sheet from this Question Booklet. You are not allowed to take 9. this Question Booklet and the Answer Sheet out of the Examination Hall during the time of examination. After the examination is concluded, you must hand over your Answer Sheet to the Invigilator. You are allowed to take the Question Booklet with you only after the Examination is over.
- Do not make any marking in the question booklet except in the sheet before the last page of 10. the question booklet, which can be used for rough work. This should be strictly adhered.
- Applicants have to write and shade the total number of answer fields left blank on the boxes provided at side 2 of OMR Answer Sheet. An extra time of 5 minutes will be given to specify the number of
- Failure to comply with any of the above instructions will render you liable to such action or penalty as 12. the Commission may decide at their discretion.

1.	The s	Visit - phar side chain theory of antibody product	_	
	1	Paul Ehrlich	(B)	Elie Metchnikoff
412 9	(C)	John Hunter	(D)	Edward Jenner
2.		has a good sterilisation effe	ct on co	mmon antibiotic resistant bacteria
	MRS	A, VRE and Clostridium difficile.		
	(A)	Glutenaldehyde	(B)	Orthophthaldehyde
	40)	Peracetic acid	(D)	Hypochlorous acid
3.	The	biological control for testing dry heat	efficacy	are spores of nontoxigenic
	(A)	Bacillus pumilis		
	98	Clostridium tetani		
	(C)	Bacillus stearothermophilus		N N C \/
	(D)	Clostridium botulivium	IV	IALT
4.	The l	biological control for moist heat steri	lization	are spores of
	(A)	Bacillus pumilis	(B)	Bacillus subtilis
	10)	Bacillus stearothermophilus	(D)	Bacillus globigi
5.	The	concentration of sodium hypochlorite	solution	used to disinfect discard jars is
	(A)	1%	(B)	5%
	6	2.5%	(D)	10%
				A L
6.	Whic	ch of the following microorganism po	ssess me	etachromatic granules?
	(A)	Bacillus Anthracis		
	(B)	Bordetella Pertussis	a .	
	100	Gardnerella Vaginalis		

such as

(D)

Proteus Mirabilis

7.	Gran	n negative bacilli may be culture	ed using	
15	1	MacConkéy's medium		
	(B)	Blood agar media		
	(C)	Bile salt agar media		
	(D)	Nutrient agar media		
8.	Whic	ch of the following test detects th	e production	of acetoin?
	(A)	MR test		VP test
	(C)	Indole test	(D)	Citrate test
9.	Tran	<mark>sfer of gene</mark> tic information throu	igh free or na	ked DNA is called
	(A)	Conjugation	AIV	
	(3)	Transformation		
	(C)	Transduction		
	(D)	Lysogenic conversion		
10.	Whic	h of the following is a nonsense of	codon?	
	(A)	UAA	(B)	AAG
41	(C)	GAU	(D)	CGA
	* 1 * 1 f			
11.	The I	HLA allele associated with good	Pastuer's syr	adrome is
	4/5	DR-2	(B)	DR-3
	(C)	DR-4	(D)	DR-3/DR-4

12.	Whic	h of the following HLA types is associa	ted wi	th rheumatoid arthritis?
	(A)	HLA-B27	(B)	HLA-DR4
	(C)	HLA-A1	(D)	HLA-DP
13.	Whic	ch of the following HLA types is associa	ited wi	th Ankylosing spondytitis?
	(A)	HLA-B27	(B)	HLA-DR4
	(C)	HLA-DD	(D)	HLA-A1
			*	
14.	All tl	he following are examples of T-cell sub	popula	ation except
	(A)	Plasma cells	(B)	TH1 cell
	(C)	CD ₄ T helper cell	(D)	Cytotoxic Tlymphocyte
15.	The	animal used for monoclonal antibodies	produ	ction is
10.	-4	mouse	(B)	guinea pig
	(C)	rabbit	(D)	rat
	(0)	Tabble	(-)	
1.0	701	12 July 12 July 18 Jul		
16.		o anaphylaxis is caused by		
	(A)	Autoimmune response to uvea		
	(B)	Autoimmune response to retinal tiss	ue	
	(C)	Autoimmune response to iris		
	(6)	Autoimmune response to lens protein	n	
17.	The	technique used for monoclonal antibod	ies pro	duction is called
	(1)	Hybridoma	(B)	Rosette formation
	(C)	Opsonisation	(D)	Immunofluorescence
	120			
18.	The	following human diseases are associate	ed witl	n super antigens except
	(A)	Tuberculosis	(B)	AIDS
	(C)	Rabies	6	Dengue
			9 8	

- 19. Which of the following Immunoglobulins is heat labile?
 - · (A) IgG

(B) IgM

(C) IgA

- (6) IgE
- 20. Which immunoglobulin class is the most efficient to produce agglutination reaction?
 - (A) IgG



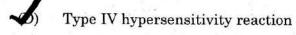
(C) IgA

- (D) IgE
- 21. Which of the following tests does not use complement?
 - (A) T.Pallidum immobilization test
 - (B) Sabiu-Feldman dye test
 - (C) Vibriccidal antibody test





- 22. The following enzymes are used in ELISA except
 - '(A) Horse Radish Peroxidase
 - (B) β-Galactosidase
 - (C) Alkaline phosphatase
 - Acid phosphatase
- 23. Lepromin test is an example of
 - (A) Type I hypersensitivity reaction
 - (B) Type II hypersensitivity reaction
 - (C) Type III hypersensitivity reaction



DJMB/19

6

24.	The	genes encoding proteins inhibiting ex	cessive	cell proliferation are called
	(A)	Apoptosis genes	(B)	Tumor suppressor genes
	(C)	Proto - oncogenes	(D)	Allogenes
25.	Cha	diak – Higashi syndrome is an immur	no defici	ency diseases which occurs due to
	(A)	T cell defects	(B)	B cells defects
	(C)	Complement disorder	(0)	Diminished phagocytic activity
26.	All o	of the following are diseases of combin	e immu	no deficiencies except
	(A)	Ataxia telengiectasia	(B)	Wiskott – Aldrich syndrome
	(C)	Reticular dysgenesis of de vaal	0	Leukocyte G6PD deficiency
27.	The	fol <mark>lowing</mark> are the Immunological comp	plication	s after blood transfusion except
	(A)	Allergic reactions		
	4	Human T-Lymphotropic virus infec	tion	
	(C)	Acute hemolytic reaction		
	(D)	Transfusion associated acute lung i	njury .	
28.	The	following are characteristics of Live V	accines	except
	(A)	Reverting back to virulent form	E	
	(B)	Excretion of vaccine virus and trans	smission	to non-immune contacts
	(C)	Interference by other micro organis	ms in ho	est
	(60)	High stability at room temperature		
29.	All tl	he following vaccines are to be stored	cold but	not froyen <u>EXCEPT</u>
	W	Polio	(B)	DPT
	(C)	BCG	(D)	Hepatitis B
	2. 12			

30.	All a	re zoonotic except Visit - pharmacyindia.co.in
	(A)	Brucellosis
	(B)	Plague
	(C)	Tularensis
	1	Floppy baby syndrome
9		
31.	Micr	ococci are differentiated from staphylococci by
	1	Of test (B) Oxidase test
	(C)	PYR test (D) Motility test
32.	Selec	ctive medium for streptococci is
	(A)	Milk agar
	of	Crystal violet blood agar
. 1	(C)	Mackonkey agar
	(D)	TCBS
	5 ²	
33.	Drug	g of choice for Vancomycin Resistant Staphylococcus Aureus (VRSA) is
	(A)	Cloxacillin
	(B)	Methiclin
	(C)	Teicoplanin
	(3)	Linezolid
34.	Most	t common organism associated with stitch abscess is
	(A)	Staphylococcus epidermidis
	(B)	Staphylococcus haemolylicus
	(C)	Staphylococcus lugdonensis
	(D)	Staphylococcus saprophyticus

35.	Sens EXC	itivity tests for Mycobacterium tuberculosis are carried out by the following methods EPT
	(A)	Absolute concentration method
Y 14	(B)	Resistance Ratio method
	(C)	Proportion method
	(6)	Ratio comparative method
36.	Prov	idencia shrartii is sensitive to one of the following disinfectant
	(A)	Glutaraldehyde (B) Cetrimide
	(C)	Chlorhexidine (D) Silver sulphonamide
37.	PLE'	r medium for Bacillus anthracis contains all EXCEPT
	(A)	Polymyxin (B) Lysozyme
	1	Lysostaphin (D) Thallus Acetate
38.	Shig	ella dysentriae Type I is
	(11)	Catalase Negative (B) Catalase positive
	(C)	Indole positive (D) Oxidase positive
39.	All a	re true about pneumonic plague EXCEPT
	(A)	Spread by droplet infection
	(B)	Cause Haemorrhagic pneumonia
	(C)	Highly infections
	J.	It is not fatal
40.	True	about Francisella tularensis
	(A)	Non motile gram positive bacillus
	D	Infection of Reticuloendothelial system
	(C)	Motite gram negative bacilli
	(D)	It is not a zoonotic infection

41.	Botr	yomycosis caused by		
	(A)	Actinomyces israelisi	(B)	Actinomyces bovis
118	(C)	Nocardia		Staphylococus aureus
			*	
42.	Anto	on test is done to diagnose	1 1 lu	
	115	Listeriosis	(B)	Melioidosis
	(C)	Sarcoidoins .	(D)	Erysipeloid
43.	Caus	sative agent of ciliate dysentery is		
	(A)	Entamoeba histolytica	(B)	Entamoeba coli
	1	Balantidium coli	(D)	Cryptosporidium Parvum
				IALT
44.	Pseu	docyst of T.gondii is present in all, exce	pt	
	(A)	Liver		Heart
	01.04.4.50		(E)	
	(C)	Lymphnode	(D)	Spleen
45.	Caus	sative agent of Oriental sore is		
	(A)	L.Donovani	(B)	L.Braziliensis
	(1)	L.Tropica	(D)	T.Cruzi
46.	Mult	ciplication of the T.cruzi parasite occurs	only a	at
	(A)	Trypomastigote form	(6)	Amastigote form
	(C)	Epimastigote form	(D)	Metacyclic form

	A	visit - pnar	macyin	dia.co.in
47.	Term	ninal-Spined eggs are characteristic of		
	18	S. haematobium	(B)	S. mansoni
	(C)	S. japonicum	(D)	S. intercalatum
			w ,	
48.	A pa	rasite attacking an unusual host is cal	led as,	
	(A)	Aberrant parasite	45	Accidental parasite
	(C).	Temporary parasite	(D)	Wandering parasite
		Facility Control of the Control of t	2 5	
10	The st	following microfilaria are present both	in Blo	od and Skin
49.		Mf. Volvulus	III DIO	Mf. Ozzardi
	(A)		(D)	Mf. Timori
	(C)	Mf. Streptocerca	(D)	WII. TIMOTI
50.	Whic	ch one of the following is the largest in		
	(A)	T. Spiralis	(B)	S. Stercoralis
	40)	D. Medinensis	(D)	T. Trichiura
51.	The	term 'Rat lungworm' is associated with	1 .	
	(A)	Trichinella spiralis	(B)	Toxocara canis
	(C)	Toxocara cati	10)	Angiostrongylus cantonensis
52.	Habi	tat of Trichuris trichiura is		
278	(A)	Duodenum	(B)	Jejunum
	(C)	Ileum	(3)	Caecum
			6	
53.	The	term 'Cat liver Fluke' is associated wit	th	
00.		Opisthorchis felineus		
	(B)	Paragoninus westermani		
	(C)	Clonorchis Sinensis		one i
	(0)	CIONOLOMIC DINCHOLD		

(D)

F. hepatica.

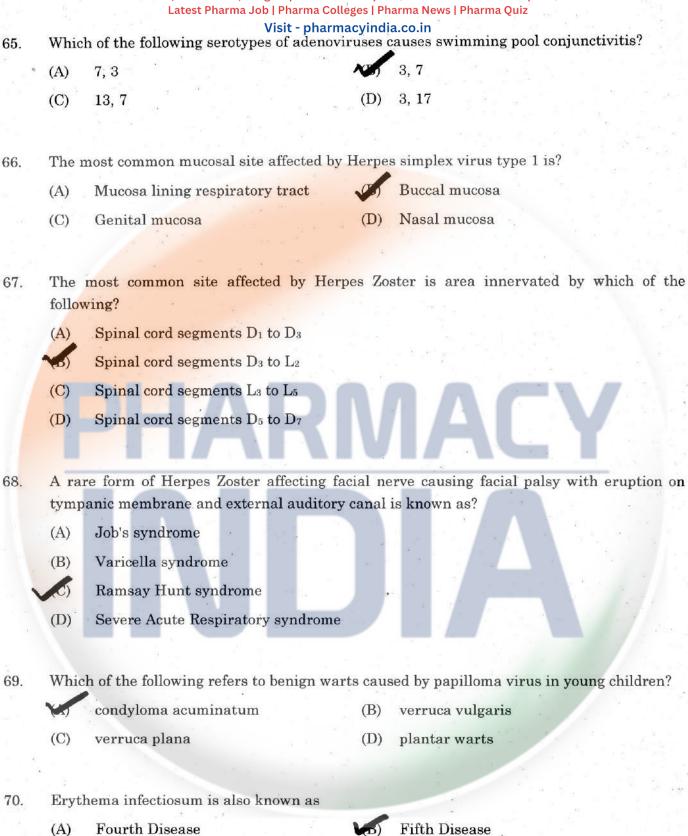
. Wi	nich one of the following is calle	ed Dog tapeworn	n?
(A)	D. latum	(B)	H. diminuta
(C)	T. saginata		E. granulosus
Су	sticercoid Larvae development	is seen in the li	fe cycle of
(A)	T. saginata	(B)	T. solium
VO	H. nana	(D)	Multiceps
Vii	riod is the		
(A)	DNA virus		
(B)	enveloped DNA virus		
10	naked small ssRNA withou	t capsid	
(D)	enveloped RNA virus		
De	ngue virus belong to the family		
V	Flavi viridae	(B)	Filo viridae
(C)	Calci viridae	(D)	Toga viridae
Hu	man immuno deficiency virus l	pelongs to the fa	mily
(A)	Reo viridae	(B)	Bunya viridae
10	Retro viridae	(D)	Filo viridae
The	e term 'Helical Symmetry' virus	s is associated w	rith
(A)			
(B)			
(C)	Hepatitis A	- 44 - 15	
1	Corona virus		

- 60. Cowdry type A inclusion bodies are seen in
 - (A) Mumps virus infection
 - (B) Measles virus infection
 - Yellow fever virus infection
 - (D) Rabies virus infection
- 61. Which of the following viral infection? Produces Negri bodies?
 - (A) Ebola virus

(B) Corona virus

- 10
- Rabies virus

- (D) Adeno virus
- 62. Tbilisi phage typing is employed for typing
 - (A) Staphylococcus aureus
 - (8)
 - Brucella
 - (C) Streptococcus viridans
 - (D) Salmonella
- 63. Antiviral drug Acyclovir and Penciclovir inhibit enzyme
 - (A) Viral RNA polymerase
 - Viral DNA polymerase
 - (C) Viral reverse transcriptase
 - (D) None of the above
- 64. Interferon production not induced by viruses is
 - (a) Gamma interferon
 - (B) Alpha and gamma interferon
 - (C) Beta interferon
 - (D) Alpha interferons



DJMB/19 14 8

Seventh Disease

(C)

Sixth Disease

D. Pharma University Exam Papers | B. Pharma University Exam Papers | GPAT, NIPER, Pharmacist, Drug Inspector Exam Papers | Previous Year Exam Papers | Latest Pharma Job | Pharma Colleges | Pharma News | Pharma Quiz

Visit - pharmacyindia.co.in

	(A)	atitis virus not tran Hepatitis B	18 2 0 0	Hepatitis C	
£ 1	(C)	Hepatitis G		Hepatitis E	

- 72. One of the following statements is false about Kyasanur Forest Disease
 - (A) It is a Tick borne haemorrhagic fever
 - (B) Principal vector is Haemaphysalis spinigera
 - (C) It is antigenically related to RSSE complex
 - Pigs out as amplifier host
- 73. Which is the first human disease identified to be associated with a virus?
 - (A) Dengue
 - (B) Chihungunya
 - (C) Erythema infectiosum
 - Yellow fever
- 74. Which of the following viral diseases does not result in haemorrhagic fever?
 - Louping ill

(B) Ebola

(C) Lassa fever

- (D) Yellow fever
- 75. Which of the following is NOT a characteristic feature of AIDS?
 - (A) Polyclonal B cell activation
 - Hypogamma globulinemia
 - (C) Hypergamma globulinemia
 - (D) Lymphonemia
- 76. Cercopithecus aethiops is the source of
 - (A) HIV-1 virus
 - HIV-2 virus
 - (C) Simian immunodeficiency virus
 - (D) Feline T Lymphotrophic virus

77.	Dime	orphic fungi grow as yeast forms at the	follow	ing temperature
	(A)	25°C	(B)	30°C
	1	37°C	(D)	14°C
	84		Ä,	
78.	Ochr	atoxins producing fungal species are all	exce	pt
	(A)	Aspergillus ochraceus	(B)	Aspergillus niger
	10	Fusarium moniliforme	(D)	Penicillium verrucosum
79.	The !	argest phylum of kingdom fungi is		
	(A)	Ascomycota	(B)	Basidiomycota
	(C)	Deuteromycota	(D)	Zygomycota
80.	The	term 'fungus ball' is synonymous with		
	(A)	Aspergillus asthma	(B)	Invasive aspergillosis
- 9	100	Aspergilloma	(D)	Broncho pulmonary aspergillosis
		risperginoma		
		Taporganoma		
81.	All o	f the following fungi are anthropophilic		
81.	All o			
81.		f the following fungi are anthropophilic		
81.	(A)	f the following fungi are anthropophilic Trichophyton rubrum		
81.	(A)	f the following fungi are anthropophilic Trichophyton rubrum Trichophyton violaceum		
81.	(A) (B)	f the following fungi are anthropophilic Trichophyton rubrum Trichophyton violaceum Trichophyton verrucosum		
81.	(A) (B) (D)	f the following fungi are anthropophilic Trichophyton rubrum Trichophyton violaceum Trichophyton verrucosum	derm	atophytes except
	(A) (B) (D)	f the following fungi are anthropophilic Trichophyton rubrum Trichophyton violaceum Trichophyton verrucosum Microsporun audouinii	derm	atophytes except
	(A) (B) (D) Which	f the following fungi are anthropophilic Trichophyton rubrum Trichophyton violaceum Trichophyton verrucosum Microsporun audouinii	derm	atophytes except
	(A) (B) (D) Which	f the following fungi are anthropophilic Trichophyton rubrum Trichophyton violaceum Trichophyton verrucosum Microsporun audouinii th of the following genus of dermatophyton rubrum	derm	atophytes except

00.	Wost	commonly causative species of CN	S Aspergi	mosis.
	(A)	Aspergillus fumigatus		
	(B)	Aspergillus flavus.		
	(C)	Aspergillus terreus		
5 2	(D)	Aspergillus versicolor		
84.	Intes	stinal candidiasis presenting as dia	rrhoea is a	a frequent sequel to
	(A)	Diabetes	(3)	Oral antibiotic Therapy
	(C)	Corneal infection	(D)	Surgery
85.	Coral	l red Fluorescence seen under wood	l lamp.	
	(A)	Malassezia Furfur		
* * * * * * * * * * * * * * * * * * *	S	Corynebacterium minutissimum		
	(C)	Microsporum gypseum	12.00	
	(D)	Trichophyton schoenleinii		
86.	50 ye	ear old male presents with headacl	he vomiti	ng and neck rigidity. India Ink staining of
	CSF	reveals spherical budding yeast	cells wi	th clear halo surrounding. What is the
	etiolo	ogical agent?		
	(A)	Naegleria	(3)	Cryptococcus
	(C)	Chromoblastomycosis	(D)	Aspergillus
87.	Acute	e brucellosis is also known as		
	(A)	Aluoxic fever	(B)	Filarial fever
	.(C)	Enteric fever	W/	Undulant fever
			. 2	

88.	All a	are true about Hencobacter pylori injections except
	(A)	Less common in developing countries
	(B)	Highly motile
	(C)	Rapid urease test positive
	(D)	Adenocarcinoma of stomach.
	8 4g/	
89.	Incu	bation period in gastroenteritis due to salmonella is
	(A)	6-12 hrs (B) 12-24 hrs
	~(0)	12-36 hrs (D) 24-48 hrs
90.	Whi	ch of the following comes under upper UTI?
	(A)	Cystitis (B) Prostatitis
	18	Pyelitis (D) Urethritis
91.	Most	common cause of Bronchiolitis
01.	(Á)	Rhinoviruses
	(B)	Influenza viruses
	(C)	Corona viruses
	(0)	
		Respiratory Syncytial viruses
92.		nemical analysis of Tubercular Meningitis reveals all of the following except
	(A)	CSF pressure : Moderately elevated
	(B)	CSF protein : Markedly increased
	VO	CSF glucose: Slightly increased
	(D)	Call count : Increased, lymphocytic
93.	How	does staphylococcus aurens acquire during resistance?
	(A)	Transformation Transduction
	(C)	Mutation (D) Conjugation
	10	

- 94. The mechanism of action of Fluoroquinolone against bacteria is
 - (A) Inhibition of RNA synthesis
 - Inhibition of DNA synthesis
 - (C) Inhibition of cell wall synthesis
 - (D) Inhibition of translation
- 95. Under the Bush Jacoby Medeioros Functional classification scheme for β lactamase enzyme carbaperamase comes under section
 - (A) 1

(B) 2e

(6) 2f

- (D) 2a
- 96. The following viruses are emerging zoonotic viruses EXCEPT
 - (A) Lassa

(B) Hantavirus

(C) Marburg

- (alcivirus
- 97. Minimum inhibitory concentration of vamomycin to VRSA,



 $> 8 \mu g/ml$

(B) $> 4 \mu g/ml$

(C) $> 2 \,\mu\text{g/ml}$

- (D) $> 1 \,\mu\text{g/ml}$
- 98. How many maximum antimicrobial disks should be placed on a 100 mm Mueller Hinton agar plate?
 - (A) upto 5 disks



upto 6 disks

- (C) upto 7 disks
- (D) upto 8 disks

99.	Which one of the following is not a "nonsense codon"?							
	(A)	UAA	(S)	UGG				
	(C)	UAG	(D)	UGA				
100.	Anti	sepsis in surgery was first introduced	d by					
	(A)	Joseph Lister	(B)	Edward Jenner				
	(C)	Louis Pasteur	(D)	Robert Koch				
	*							
101.	'Scha	aeffer-Fulton' procedure is used to sta	ain and	visualise which bacterial cell organelle?				
	(A)	Bacterial capsule	(B)	Bacterial flagella				
	401	Bacterial endospores	(D)	Bacterial cell wall				
102.	The	foundations of immuno chemistry wa	s laid by	the pioneering work of				
	1	Karl Landsteiner	(B)	Paul Ehrlich				
	(C)	Frank Burnet	(D)	Roux and Yersin				
,			-	T4				
103.		is called the Father of bacter	riology.					
	(A)	Robert Koch	6	Antony Van Leeuwenhoek				
	(C)	Robert Hook	(D)	Louis Pasteur				
104.	The s	spontaneous theory of generation of n	nicroorg	anisms was first challenged by				
	(A)	Leeuwenhoek	(B)	Francesco Redi				
	(C)	Robert Hook	(D)	Galileo				
105.	Whic	h among the following provides a thr	ee dime	nsional view of the specimen?				
	(A)	Transmission Electron Microscope						
	(B)	Scanning Electron Microscope (SEM						
	(C)	Phase Contrast Microscope	na de la se					
	(D)	Darkfield Microscope	W					

106.	Pept	idoglycan layer of cell wall is thicker i	n	
	(A)	Fungi	(B)	Parasites
	-6	Gram positive bacteria	(D)	Gram Negative bacteria
107.	Whic	ch of the following can be visualized by	y routin	ne gram staining?
	(A)	Chlamydia trachomatis		
	1	Actinomycetes naeslundii		
	(C)	Rickettesiae	45	
	(D)	Treponema pallidum		
108.	Noca	rdia species are stained by strong car	bolfuch	sin and resist decolorisation with
	VS	0.5% Sulphuric acid	(B)	1% Perchloric acid
	(C)	2% Activated carbon	(D)	0.5% Acetic acid
109.	The b	pacteria which require higher level of	carbon	dioxide for their growth are known as
	(A)	Micro aerophilic bacteria	(B)	Aerophilic bacteria
	(C)	Aerobic bacteria	B	Capnophilic bacteria
110.	Bacte	eria which can grow at temperature be	etween	25°C and 40°C are known as
	6	Mesophiles	(B)	Thermophiles
	(C)	Psychrophiles	(D)	Microthermophiles
			()·	
111.	Strer	otococcus pyogenes are		
	No. of the last of		(D)	Obligate comphe
	(A)	Obligate anaerobe	(B)	Obligate aerobe
	(C)	Facultative anaerobe		Aerotolerant anaerobe

112. Secretory IgA contains

(A) Polypeptide

Glycine-rich polypeptide

- (C) Polysaccharide
- (D) Glycine rich polysaccharide

113. All the following are tumour suppressor genes EXCEPT

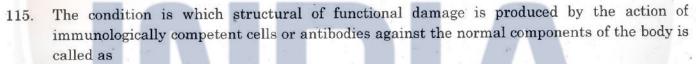
(A) APC

(B) NF-1

(C) NF-2

erb-B

- 114. All the following are the steps of phagocytoses except
 - (A) Recognition
 - B) Antigen Presentation
 - (C) Engulfment
 - (D) Fusion



(A) Acquired immunity

(B) Adaptive immunity

10

Auto immunity

(D) Innate immunity

116. Ouchterlony procedure is

- (A) Single diffusion in one dimension
- (B) Double diffusions in one dimension
- (C) Single diffusion in two dimensions
- Double diffusions in two dimensions

117. Vaccination induces

(A) Active natural immunity

(B) Passive natural immunity

4

Active artificial immunity

(D) Passive artificial immunity

		and the second s	Colleges Pharma News Pharma Quiz armacyindia.co.in
118.	Whic	h immunoglobulin class can pass thi	rough placenta?
	(A)	$_{ m IgG}$	(B) IgM
	(C) .	IgA	(D) IgE
119.	Exam	nple of a fungal super antigen is	
	(A)	Candida albicans	
	13)	Malassezia furfur	
	(C)	Aspergillus	
	(D)	Cryptococcus capsule	
			MACV
120.	First	component of complement which	binds to antigen-antibody complex in classical
	pathy	vay is	
seo i de la ge	(1)	Clq	(B) Clr
	(C)	Cls	(D) C3
121.	Whic	h is the earliest immunoglobulin to	be synthesised by the foetus?
	(A)	IgG	B) IgM
	(C)	IgA	(D) IgE

122. Which component of complement is present in the highest concentration in the serum?

(A) C1

(B) C2

€) C3

(D) C5

23

123.		antibodies to ribonucleoprotein (RNP) a	ntige	ens SS-A (RO) and SS-B (La) are produced
	Z	Sjogren syndrome	(B)	Systemic sclerosis
	(C)	Multiple sclerosis	(D)	Systemic Lupus Erythematous (SLE)
124.	Whic	ch class of immunoglobulin mediates Typ	pe I h	ypersensitivity reactions?
	(A)	Ig G	(B)	Ig M
	(C)	Ig A	S	Ig E
125.		antibodies bind to basement membran is the hallmark of	e ant	igens on kidney glomeruli and the alveoli.
	43	Good Pasture syndrome	(B)	Myasthenia gravis
	(C)	Grave's disease	(D)_	Hashimoto's thyroiditis
126.	(A) (C)	Citrullinated peptid Antibodies (ACPA) Systemic Lupus erythmatous Sjogren syndrome	(D)	Rhumatoid arthritis Scleroderma
127.	The	ability to respond immunologically to an	anti	gen is conditioned by
	(A)	Tumor suppressor	(8)	Immune response genes
	(C)	Allogene	(D)	Histocompatibility gene
			*	
128.	Whic	ch of the following HLA typing given hig	h res	olution matching?
	(A)	Microcytotoxicity		
	(B)	Mixed lymphocyte reaction		
	(C)	PCR - RELP (Restriction Fragment Le	ength	Polymor Phism)
	(3)	PCR - DNA sequencing typing		
129.	Best	example of syngeneic graft	1	
	(A)	Between dizygotic twins	•	
	6	Between monozygotic twins	.0	
	(C)	Between two member of same or differ	rent s	pecies
	(D)	Between two sites of same person		

Latest Pharma Job | Pharma Colleges | Pharma News | Pharma Quiz Selective media for N. gonorohea is Visit - pharmacyindia.co.in 130. Thayer Martin medium (B) Cooked meet medium (C) Blood agar (D) Serum agar Wood sorter's disease is also known as 131: (A) Cutaneous anthrax Pulmonary anthrax (C) Intestinal anthrax (D) Pulmonary tuberculosis Liquid medium for tubercle bacilli is 132. Middle book 7H9 (B) Middle book 7H8 Middle book 7H10 (D) LI medium (C) Verocytotoxin 1 of E. Coli is similar to Shiga toxin (B) Cholera toxin (C) Enterotoxin of S. aureus (D) Toxin of B. Cereus 134. Which of the following salmonella ferments glucose with acid but no gas (A) S. Paratyphi A S. Paratyphi B

- (B)
- S. Choleraesuis

S. Typhi

- 135. Clinical manifestations of enterococci are all except
 - (A) Urinary tract infections
 - (B) Neonatal sepsis
 - (C) Neonatal meningitis
 - Neonatal conjunctivitis
- 136. Which is not a risk factor for meningococcus infection
 - (A) Travellers
 - (B) Smoking
 - (C) Over crowding
 - Defficiency of Early complement components
- 137. Water house Friderichsen syndrome, All are true EXCEPT
 - (A) Caused by meningococcus
 - (B) Bilateral adrenal haemorrhage seen
 - (C) Purpura fulminans is a feature
 - Pathogenesis is due to capsule
- 138. Corynebacterium parvum can be used as
 - (A) Vaccine
 - Immunomodulator
 - (C) Toxin production
 - (D) Adjuvant
- 139. Wool sorter's disease is a
 - (A) Cutaneous anthrax
 - (B) Intestinal anthrax
 - (C) Anthrax meningitis
 - Pulmonary anthrax

DJMB/19 26

D. Pharma University Exam Papers | B. Pharma University Exam Papers | GPAT, NIPER, Pharmacist, Drug Inspector Exam Papers | Previous Year Exam Papers | Latest Pharma Job | Pharma Colleges | Pharma News | Pharma Quiz Visit - pharmacyindia.co.in Brazilian purpuric fever caused by Haemophilus aegyphius (A) Haemophilus aphnophilus (C) Coxiella burnetii Rickettsia prowazekii Transport media used for isolation of vibro cholerae from stool specimen are all EXCEPT Alkaline salt medium Autoclaved sea water (A) Stuarts medium (C) Cary Blair medium Oxidase Negative Pseudomonas species is Pseudomonas paucimobilis (A) Pseudomonas oxyzihabitans (B) Pseudomonas luteola (C) Pseudomonas aeruginosa

Most common mode of transmission of Legionella Pneumophila is

Inhalation

(B) Ingestion

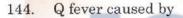
(C) Blood .

140.

141.

142.

Insect bite (D)



Rickettsia conori (A)

Coxiella burnetii

Rickettsia prowazeki (C)

- Borbonella
- 145. Miyagawa granulocorpusles are seen in
 - Trachoma
 - Lymphogranuloma venereum
 - (C) Syphilis
 - Psittacosis (D)
- Which is not a property of Mycoplasma?
 - Susceptibility to Beta lactams
 - Have both DNA and RNA (B)
 - (C) Can grow in cell free media
 - (D) Extracellular survival

147.	Vect	Vector for African Trypanosomiasis								
	(A)	Sand fly	1	Tsetse fly						
	(C)	Mosquito	(D)	Tick						
148.	Chro	onic amoebic keratitis (CAK) is a c	omplication	n of						
	(A)	N.Fowleri		A.Castellani						
	.(C)	B.Mandrillaris	(D)	E.Histolytica						
149.	Extr	a intestinal phase of taxoplasma g	ondii is see	en in all, except						
	(A)	Man	1	Cat						
	(C)	Mouse	(D)	Cow						
			M							
150.	Pern	icious malaria is caused by,								
	(A)	P. Vivax	(B)	P. Ovale						
	100	P. Falliparum	(D)	P. Malariae						
151.	Mau	rer's dots are present in the infecte	ed RBC of,							
	(A)	P.Vivax	6	P. Falciparum						
	(C)	P. Malariae	(D)	P. Ovale						
152.	Float	ation of eggs is characteristics of t	he followin	g organisms EXCEPT						
	(A)	A. lumbricoides								
	(B)	Trichuris trichiura								
		T. Saginata								
	(D)	A. duodenale								

153. The Distome of China is refers to

A) Clonorchis Sinensis

(B) F. hepatica

(C) F. buski

(D) S. japonicum

154. Causative agent of Bilharziasis



S. haematobium

(B) S. mansoni

(C) S. japonicum

(D) S. intercalatum

155. Dipylidium Caninum is known as

- (A) Rat tape worm
- Double pored dog tape worm
 - (C) Gid worm
 - (D) Beef tapeworm
- 156. All of the following are Liver Flukes, except
 - (A) C. Sinensis

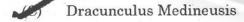
(B) O. Felineus

(C) F. Hepatica

- (0)
- G. Hominis

157. The phrase 'Serpent worm' is associated with

- (A) Loa loa
- (B) Onchocerca Volvulus



(D) Dirofilaria immitis

150.	VV 111	on of the following is the smallest vir	us!		
	(A)	Papo virus	(3)	Parvo virus	
	(C)	Pallimoa virus	(D)	Rubella virus	
159.	Viro	pexis is the			
	4	Receptor mediated endocytosis	0 2 2 1		
	(B)	Synthesis of Nucleic Acids			-,*
	(C)	Exocytosis	2		
	(D)	Uncoating of virus			
	R.		4		
160.	In eg	gg inoculation, yolk sac route is used	to		
	1	Cultivate arbo viruses			
	(B)	Cultivate Hepatitis A virus			Y
	- (C)	Cultivate salmonella bacteria	U		
	(D)	Cultivate Mycobacterium tuberculo	osis		
	5				
161.	In eg	gg inoculation, Amniotic sac route is u	sed to	ultivate	
	40	Influenza virus	(B)	Herpes simplex Virus	-1
	(C)	Epstein Barr Virus	(D)	Herpes simplex Virus	-2
					4 6
162.	In m	olecular methods real time RT – PCR	is used	for	
	(A)	Quantification of DNA	43)	Quantification of RNA	1
	(C)	Identification of prions	(D)	Detection of Proteins	
l'					
163.	Whic	ch of the following viruses are called o	rphan <u>y</u>	viruses?	
	(A)	Polio virus	-	Echo virus	
	(C)	Coxsackie virus	(D)	Entero virus	

- 164. Which of the following vaccine is killed vaccine?
 - (A) Sabin polio vaccine
 - (B) BCG vaccine
 - Salk polio vaccine
 - (D) Sabin and salk polio vaccine
- 165. Type I interferons are
 - (A) Alpha and gamma interferon
 - (B) Beta interferon
 - Alpha and beta interferons
 - (D) Gamma interferon
- '166. Virusoids are
 - (A) Animal pathogen

Plant pathogen

(C) Aquatic virus

- (D) Human pathogen
- 167. Name the filamentous shaped virus
 - (A) Herpes virus



Ebola virus

(C) Parvo virus

- (D) Rabies virus
- 168. Small pox was eradicated in the year



1977

(B) 1978

(C) 1967

(D) 1957

169. Which year did WHO announced global eradication of small pox?



May 8th 1980

(B). May 18th 1980

(C) March 18th 1980

(D) May 8th 1981

170.	The f	following are the strains of Poliovirus Exc	cept?	
	(A)	Lansing and MEFI strain	10.0	
	(B)	Leon and Saukett strain		
	1	Dahar strain		
	(D)	Mahoney strain		
171.	When	n passaged serially in eggs the progeny in	nflue	nza virus show high haemagglutinin titres
		ow infectivity which is called as?		
	W	Von Magnus Phenomenon		
	(B)	Pfeiffer's phenomenon		
	(C)	Koeber's phenomenon		
	(D)	· Kauffman's phenomenon		
		PHAKI		IAL Y
172.	What	t is the natural host for Nipah Viruses?		
	(A)		(B)	Herons
	4	Company of the second s	(D)	Horses
e v		3	P 0	
173.	The f	following mumps vaccine are available ex	cept	
110.	(A)	Monovalent mumps vaccine		
		Divalent measles mumps vaccine		
	(C)	Trivalent MMR vaccine		
		Quadrivalent MMR-V vaccine		
	(D)	Quadrivalent withit-v vaccine	120	
	D 1:			
174.		ies is not seen in		
	(A)		(B)	Brazil
22	167	Australia	(D)	China

175.	All	are	structural	genes	in	the	genome	of	HIV	Except?

1

nef

(B) gag

(C) env

(D) pol

176. Which one of the following statements about prions is false?



Prions are non-infectious proteins

- (B) Prions are infectious proteins
- (C) Prions have not caused disease in Americans
- (D) Prusiner proposed protein-only hypothesis

177. Which of the following viruses is a DNA oncogenic virus?

- (A) Murine lentrosis viruses
- (B) Avian lentrosis viruses
- (C) Murine mammary tumour virus
- 10)

Yaba virus

178. Which of the following virus is a long thread like RNA?

(A) Zika virus



Ebola virus

(C) Nipah virus

(D) Hendra virus

179. Which of the following is not a modes transmission of zika virus?



Breastfeeding

- (B) Blood transfusion
- (C) Perinatal transmission
- (D) Sexual transmission

D. Pharma University Exam Papers | B. Pharma University Exam Papers | GPAT, NIPER, Pharmacist, Drug Inspector Exam Papers | Previous Year Exam Papers | Latest Pharma Job | Pharma Colleges | Pharma News | Pharma Quiz

180.	Blac	k piedra is caused by one of the following fungi
	(A)	Trichosporon species Piedraia hortae
	(C)	Hortaea werneckii (D) Malassezia furfur
181.	Whi	ch of the following fungi is geophilic dermatophyte?
	A	Microsporum gypseum
	(B)	Microsporum equinum
	(C)	Microsporum persicolor
	(D)	Microsporum canis
182.	Whit	te piedra is caused by one of the following fungi?
	(A)	Malassezia furfur (B) Hortaea werneckii
	(C)	Piedraia hortae Trichosporon species
	-	
183.	Phia	lophora verrucosa is a tropical / subtropical fungus that causes
	(A)	Maduro mycosis
	(D)	Chromoblastomycosis
	(C)	Sporotrichosis
	(D)	Candidiasis
184.	Dese	rt rheumatism is seen in
	M	Coccidioidomycosis
A .	(B)	Paracoccidioidomycosis
(green)	(C)	Histoplasmosis
	(D)	Blastomycosis

			armacyin	dia co in
185.	Acco	an asset of Tables to the second of the seco	200	ssic Fever of unknown origin (Classic FUO
	is de	fined as the following except		
	(A)	Temperatures of > 38.3°c	(B)	Duration of > 1 wks
,	(C)	Duration of > 3 wks	(D)	Three outpatient visits
186.	Post	operative endocarditis is due to		
	(A)	Staphylococcal epidermidis		
	(B)	Staphy lococcus aureus		
	(C)	Streptococcus pyogenes		
	(D)	Streptococcus viridans		
	89 f.			
187.	A pa	tient in an ICU is on a CVP line. Hi	s blood c	ulture shows growth of gram positive Cocc
i.	whic	h is catalaes positive and coagulase	negative.	The most likely etiological agent.
	(A)	Staphylococcus aureus		Staphylococcus epidermidis
	(C)	Streptococcus Pyogenes	(D)	Enterococcus faecalis
188.	Han	d rub should not be used in which co	ndition.	
	(A)	Before touching patient		
	(B)	After touching patient		
	10)	Hands are visibly soiled		
7	(D)	After touching patient's surroundi	ng	
		The second second	to .	
189.	Pseu	dobubo is present in		
	(A)	LGV	(B)	Suphilis
	(C)	Chancroid	(D)	Donovanosis
190.	TOR	CH infection include all except		
	(A)	Toxoplasmosis	(B)	Orthomyxoviruses
	1100 98	7007	74 - YAMES SEE - 155	

Ø

(C)

Rubella

(D)

Herpes

191.	Chemoprophylaxis for high chloroquine resistance is	į.



- Mefloquine 250 mg 1 tablet weekly
- (B) Proguanie 100 mg
- (C) Primaquine
- (D) Piperaquine
- 192. Both live attenuated and killed vaccine is NOT available for which of the following?
 - (A) Polio virus
 - (B) Yellow fever



- Chicken pox
- (D) Japanese B encephalitis
- 193. Newer Hendra and Nipah virus-vaccine is
 - (A) Live vaccine

(B) Killed vaccine

- (2)
 - Subunit vaccine

- (D) Toxoid
- 194. Live attenuated vaccine using oka strain is available for
 - (A) Rabies virus
 - (75)

Varicella zoster virus

- (C) Polio V
- (D) Yellow fever V
- 195. Which one of the following is a whole-cell recombinant B subunit cholera vaccine?



Dukoral

- (B) WC V. cholerae E1Tor
- (C) WC V. cholerae classical
- (D) WC V. cholerae inaba

DJMB/19 36

- 196. In which method, an absorbent ship with a known gradient of antibiotic concentration along its length is used for antibiotic sensitivity testing?
 - (A) Kirby Baner disc diffusion method



- Epsilometer test
- (C) Primary disc diffusion test
- (D) Agar dilution method
- . 197. The percentage of removal of the Biochemical oxygen demand (BOD) of sewage in primary treatment
 - (A) 5 10%

(B) 10 - 15%



25 - 35%

- (D) 20 25%
- 198. All of the following diseases are transmitted by mosquito except:
 - (A) Japanese encephalitis
 - (B) Yellow fever
 - (C) West Nile fever
 - 10)
 - Oroya fever
- 199. How many pairs of amplification primers are used in nested PCR
 - (A) One



(C) Three

- (D) Five
- 200. What should be the minimum distance (center to center) between two adjacent antimicrobial disks on the Mueller Hinton agar plate?
 - (A) 5 mm

(B) 10 mm

- 1
- 20 mm

(D) 30 mm

	MEDICAL/MEI	TAMIL NADU PUBLIC SERVICE COMMISSION DRUGS INSPECTOR AND JUNIOR ANALYST IN THE DRUGS TESTING LABORATORY IN THE TN MEDICAL/MEDICAL SUBORDINATE SERVICE, 2017-2019 Subject Code: 351 (QB Code: DJMB/19) DOE: 23.06.2019											
Subject Name: PAPER-I M.D. MICROBIOLOGY (PG DEG ST VERSION KEY - A								TD) Marks: 300					
	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key	S.No.	Key			
	1	A	41	D	81	C/	121	В	161	A			
	2	C		A/	82	В	122	C/	162	B			
	3	В	43	C/	83	A	123	A /	163	В			
	4	C/	44	В/	84	В	124	D	164	C			
	5	C/	45	c/	85	В	125	A	165	C			
	6	C	46	B/	86	В	126	B	166	В			
	7	A	47	A /	87	D	127	В	167	B/			
	8	В	48	B	88	A	128	D	168	A			
	9	B	49	В	89	C	129	В	169	Α _			
	10	A	50	C	90	C	130	A	170	C			
	11	A	51	D	91	D	131	В	171	A	_		
	. 12	B/	52	D	92	C	132	A	172	C			
	13	A	53	A	93	В	133	A	173	В			
	14	A	54	D	94	В	134	D	174	C _			
	15	A	55	C	95	C	135	D	175 176	A			
	16	D _	56	C	96	D	136	D D	177	D/			
	17	A	57	A	97	A	137	В	177 178	В			
	18	D	58	C	98	B	138	D	179	A/			
	19	D	59	D	99	BA	140	В	180	В			
	20	В	60	C	101	C	141	D	181	A /			
	21	D	61	C	102	A	142	D_	182	D			
	22	D	62	В	102	B	143	A/	183	В			
	23	D	63 64	B A	103	В	144	В	184	A /			
	24	B	65	В	105	В	145	В	185	В			
	25	D		В	106	C	146	A	186	A			
	26 27	D B	66 67	B/	107	В	147	В	187	В			
	28	D	68	C/	108	A	148	В	188	C			
	29	A	69	A/	109	D/	149	В	189	D			
	30	D	70	В	110	A /	150	C /	190	В			
	31	A	71	D	111	D	151	В	191	A /			
	32	В	72	D	112	В	152	C /	192	C /			
	33	D/	73	D/	113	D	153	A /	193	C /			
	34	A/	74	A /	114	В	154	A	194	В			
	35	D	75	В	115	C/	155	В	195	A			
	36	A /	76	В	116	D	156	D-	196	В —			
	37	C /	77	C	117	C	157	. c/	197	C /			
	38	A	78	C /	118	A	158	B	198	D			
	39	D	79	A -	119	В	159	A/	199	В			
	40	В	80	C	120	A	160	A	200	C			