## COMBINED TECHNICAL SERVICES EXAMINATION (NON-INTERVIEW POSTS) COMPUTER BASED TEST PAPER – II – MICROBIOLOGY (MEDICINE) (PG DEGREE STANDARD) (CODE: 351)

1.	Which of the following anatomical site/organ is not involved in coccidioidal dissemination?						
	(A)	Liver	(3) Gastroint	testinal tract			
	(C)	Lungs	(D) Synovia				
	(E)	Answer not known	,				
2.	An e	xample of Dimorphic fungi					
	us	Histoplasma capsulatum	(B) Cryptoco	ccus neoformans			
	(C)	Aspergillus fumigatus	(D) Chromob				
	(E).		·				
3.	Com	mon mucosal lesions found in	bottle fed infan	ts is			
		Oral thrush	(B) Dermator	mycosis			
	(C)	Pityriasis versicolor	(D) Mucormy	•			
	(E)	Answer not known	•				
4.		t-like form of fungi which	divides by fi	ssion and not by			
	(A)	Sporothrix schenckii	Penicilliu	ım marneffei			
	(C)	Histoplasma capsulatum	(D) Blastomy	ces dermatitidis			
•	(E)	Answer not known	,				
5.	Amp	hotericin.B, an antifungal ag	ent, is an :				
	S	amphoteric polyene macrolic	de				
	(B)	azole					
	(C)	echinocandin					
	(D)	antimetabolite					
	(E)	Answer not known		•			
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6.	Whi	Which of the following antifungal agents is fungicidal in its action?						
	(A)	Imidazoles and triaz	zoles					
	(P)	Allylamines and benzylamines						
	(C)	Griseofulvin						
	(D)	O) Tolnaftate						
	(E)	Answer not known						
7.	Kod	ua poisoning is caused	d by which mycotoxins					
	(A)	Patulin	(B) Ochratoxin A					
	(C)	Trichothecene	Cyclopiazonic Acid					
	(E)	Answer not known						
.8.		Maize is the source of exposure for the following mycotoxins EXCEPT						
	(A)	Fumonisins	(B) Trichothecenes					
	(2)	Cyclopiazonic Acid	(D) Aflatoxins					
	(E)	Answer not known						
9.		ch of the following fare?	mycotoxins can be used in Biological					
	(A)	Fumonisins	Trichothecanes					
	(C)	Ochratoxins	(D) Aflatoxins					
	(E)	Answer not known						

10.		0% KOH mount, spaghetti and cribed in:	d meat ball appearance of fungi is			
	(A)	Hortaea Werneckii	(B) Trichosporon Beigelii			
	(C)	Piedraia Hortae	(B) Malassezia Furfur			
	(E)	Answer not known				
11.		ch of the following statements n staining for the diagnosis of t	is incorrect for haematoxylin and fungal infections?			
	(A)	(A) Tissue response can be demonstrated better than with any other stain				
	(B)	Does not stain many fungi or	stain poorly			
	(2)	Innate colour of the fungal elements whether phaeoid or not cannot be determined				
	(D)	D) Inadequate to screen for sparse fungal elements				
	(E)	Answer not known				
12.	The enzyme released from Candida Pseudohyphal tip for tissue invasion, is a					
	(A)	Hyaluronidase	(B) Protease			
	(C)	Peptidases	(27) Phospholipase			
	(E)	Answer not known	•			
13.	frial	<del>-</del>	neous mycoses characterized by and eye, largely reported in India			
	(A)	Sporotrichosis	(B) Rhinosporidiosis			
	(C)	Chromomycosis	(D) Botryomycosis			
	(E)	Answer not known				

14.	Microsporum species usually infect the following.							
	(A)	Skin and nails	(B)	Nails and hair				
	(Z)	Skin and hair	(D)	Skin, nails and hair				
	(E)	Answer not known						
15.	Pow seen	dery buff coloured colories con n in	sists	of abundant macroconidia is				
	(2)	Microsporum gypseum	(B)	Microsporum audouinii				
	(C)	Microsporum canis	(D)	Epidermophyton floccosum				
•	(E)	Answer not known						
16.	Infe	ctions of the hair shaft are coll	ective	ely called as				
	(A)	Tineas	(B)	Dermatomycosis .				
	(C)	Trichosis	(B)	Piedras				
	(E)	Answer not known	•					
17.	Tine	ea Unguium is caused by all of	the fo	ollowing EXCEPT				
	(A)	Trichophyton rubrum						
	(B)	Trichophyton mentagrophyte	s					
	(C)	Epidermophyton floccosum		•				
	<i>(18</i> )	Trichophyton verrucosum						
	(E)	Answer not known		•				
18.	Whi	Which of the following fungi is geophilic?						
	(A)	Trichophyton rubrum	(B)	Trichophyton audouinii				
	(C)	Epidermophyton floccosum	(B)	Microsporum gypseum				
	(E)	Answer not known	•					

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19.	The actinomycete that possess acid-fast filaments are:						
	(A)	Actinomadura madurae	(B)	Actinomadura pelletieri			
	(2)	Nocardia brasiliensis	(D)	Streptomyces somaliensis			
	(E)	Answer not known					
20.	Blac	k Piedra is caused by					
	(A)	Malassezia furfur	(B)	Hortaea werneckii			
	(2)	Piedraia hortae	(D)	Trichosporon asteroides			
	(E)	Answer not known		•			
21.		following is a screening test	for	diagnosis of urinary tract			
	(A)	Oxidase test	(B)	Heat test			
•	(2)	Gneiss nitrate test	(D)	Loop test			
	(E)	Answer not known					
22.	Spec	cific tests for syphilis is					
	(A)	VDRL	(B)	RPR			
	(6)	ТРНА	(D)	Microscopy			
	(E)	Answer not known					

23.			orrectl al agen	-	sexu	ally	transmitte	ed infections	with	their
		Sypl	_	.03.		1.	Human pa	apilloma virus	:	
		• -		acum	inata		Treponem	_		
	(c)		ncroid			3.		granulomatis	3	
	• •		ovanor			4.		lus ducreyi		
		(a)	(b)	(c)	(d)					
	(1)	2	1	4	3					
	(B)	1	2	4	3					
		4		2	3					
	(D)		4	2	1					
	(E)	Ans	wer no	t know	'n					
24.	Her	nolyt	ic uren	ic sync	drome	is c	aused by .			
	(A)	En	teroinv	asive ]	E.Coli		(B) Er	nterotoxigenic	E.Coli	i
	(C)	En	teropat	hogen	ic E.C	oli	_	nterohemorrh		
	(E)	An	swer n	ot knov	wn				-	
25.	Incı	ubatio	on peri	od in s	taphy	loco	ccal food po	isoning is		
	(4)	2 to	o 6 hou	rs			(B) 6 f	to 12 hours		
	(C)		8 hou				, ,	to 12 hours		
	(E)		swer n		wn		(-, -:			
26.	Eni	idemi	c iaun	dice' is	an ac	ute:	infectious d	isease caused	hv	
-0.	(M		•		an ac	<b>a</b>			. <b>.</b>	
	((()	•	patitis					epatitis B		
	(C)	_	patitis				(D) H	epatitis E		
	(E)	AII	swer n	ot Kuo,	WII					

27.		ch one of the following in try items?	fection sp	oread by taking raw egg and
	(1)	Salmonella species		
	(B)	Campylobacter jejuni		
	(C)	Shigella species		
	(D)	Eterohemorrhagic esche	richia col	i
	(E)	Answer not known		
28.	Mos	t common virus causing as	septic mei	ningitis
	· (A)	Herpes virus	· (B)	Adenovirus
	(0)	Enteroviruses	(D)	Myxoviruses
	(E)	Answer not known		
<b>2</b> 9.	Myc	oplasma pneumoniae is de	etected by	
	(A)	Heat test	(B)	Breath test
	(2)	Cold agglutination test	(D)	Culture
	(E)	Answer not known	·	•
30.	The	protozoa which produces g	granulom	atous encephalitis is
	(A)	Naegleria	<b>(2)</b>	Acanthamoeba
	(C)	Trypanesomes	(D)	Plasmodium
	(E)	Answer not known		•
31.	Japa is	anese encephalitis is a au	to viral i	nfection for which the vector
	(A)	Anopheles mosquito	(18)	Culex mosquito
	(C)	Aedes mosquito	(D)	Mansonia mosquito
•	(E)	Answer not known	•	
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		-		·					
32.	The following are the agents causing chronic bacterial meningitis except								
	(A)	Mycobacterium tuberculosis	(B)	Tropheryma whipplei					
	(C)	Borrelia burgdorferi	(B)	Streptococcus pneumoniae					
	(E)	Answer not known							
33.	Nor	mal flora of conjunctiva is							
	(A)	C. diptheriae	(B)	C. Xerosis					
	(C)	Cl. tetani	(D)	Cl. botulinum					
•	(E)	Answer not known		•					
34.	Mos	t common cause of subacute ba	cteri	al endocarditis					
	(A)	Enterococci	(B)	Viridans Streptococci					
	(C)	Staphylococcus epidermidis	(D)	Streptococcus pneumoniae					
	(E)	Answer not known							
35.	All e	of the following parasitic organ	nisms	s can cause ocular infections					
	(A)	Acanthamoeba	(B)	Leishmania donovani					
	(C)	Onchocerca volvulus	(B)	Enterobius vermicularis					
	(E)	Answer not known	•	•					
36.		ch one of the following agent se of Acute Otitis externa?	is re	esponsible for most common					
	(K)	Staphylococcus aureus	(B)	Streptococcus pyogenes					
	(C)	Pseudomonas	(D)	Streptococcus pneumoniae					
	(E)	Answer not known							

		LGV	(B) Sypnins			
	(C)	Gonorrhea	(D) Leptospirosis			
	(E)	Answer not known				
38.	Bact	cerial endotoxin is detected by				
	(A)	String test	Limulus hysate test			
	(C)	Coagulase test	(D) Catalase test			
	(E)	Answer not known				
39.		ch of the following statemen ction?	ts are true about fetal varicella			
	(i)	Infection is transmitted by mother during early pregnancy.				
	(ii)	Hutchinson triad may be present.				
	(iii)	It is caused by herpes zoster.				
	(A)	(i) only	(B) (ii) and (iii) only			
	(2)	(i) and (iii) only	(D) (i) and (ii) only			
	(E)	Answer not known				
40.		ch one of the following is the nilis?	Late manifestation of congenital			
	(A)	Hepatosplenomegaly	(B) Bone changes			
	(2)	Interstitial keratitis	(D) Rhinitis			
	(E)	Answer not known				

37.

Frei's test is used to detect

All of the following are Coccidian parasites except						
(A)	Isospora	(B)	Cryptosporidium			
(C)	Toxoplasma	(B)	Leishmania			
(E)	Answer not known	•				
Vect	tor for Babesiosis, is					
(M)	Tick	(B)	Mosquito			
(C)	Sand fly	(D)	Black fly			
(E)	Answer not known .		•			
Mal	ignant tertian Malaria is cause	d by				
(A)	Plasmodium Vivax	<b>(B)</b>	Plasmodium Falciparum			
(C)	Plasmodium Malariae	(D)	Plasmodium Ovale			
(E)	Answer not known					
Nati	ional Institute of Health (NIH)	is lo	cated in			
(A)	U.S.A	(B)	U.K			
(C)	India	(D)	Australia			
(E)	Answer not known					
	,	•	,			
Cau	sative agent of Kala-azar is					
(A)	Trypanosoma brucei	(B)	Trypanosoma cruzi			
9	Leishmania donovani	(D)	Leishmania braziliensis			
(E)	Answer not known					
	(A) (C) (E)  Vect (C) (E)  Mal (A) (C) (E)  Nat: (C) (E)  Cau (A) (D)	<ul> <li>(A) Isospora</li> <li>(C) Toxoplasma</li> <li>(E) Answer not known</li> <li>Vector for Babesiosis, is</li> <li>(A) Tick</li> <li>(C) Sand fly</li> <li>(E) Answer not known</li> <li>Malignant tertian Malaria is cause</li> <li>(A) Plasmodium Vivax</li> <li>(C) Plasmodium Malariae</li> <li>(E) Answer not known</li> <li>National Institute of Health (NIH)</li> <li>(A) U.S.A</li> <li>(C) India</li> <li>(E) Answer not known</li> <li>Causative agent of Kala-azar is</li> <li>(A) Trypanosoma brucei</li> <li>(E) Leishmania donovani</li> </ul>	(A) Isospora (C) Toxoplasma (E) Answer not known  Vector for Babesiosis, is  (A) Tick (B) (C) Sand fly (C) Sand fly (D) (E) Answer not known  Malignant tertian Malaria is caused by (A) Plasmodium Vivax (C) Plasmodium Malariae (D) (E) Answer not known  National Institute of Health (NIH) is loc (A) U.S.A (B) (C) India (D) (E) Answer not known  Causative agent of Kala-azar is (A) Trypanosoma brucei (B) (C) Leishmania donovani (D)			

40.	Cere	ebrai maiaria is a complication	01
	(A)	Plasmodium vivax	(B) Plasmodium ovale
	(2)	Plasmodium falciparum	(D) Plasmodium malariae
	(E)	Answer not known	
47.	Whi	ch one of the following amoeba	exists only in the trophic phase?
	(A)	Embadomonas intestinalis	(B) Enteromonas hominis
	(6)	Dientamoeba	(D) Trichomonas vaginalis
	(E)	Answer not known	
48.	Old	World Cutaneous Leishmania	sis (OWCL) is caused by
	(1)	Leishmania major	
	(2)	Leishmania peruviana	
	(3)	Leishmania aethiopica	
	(4)	Leishmania braziliensis	
	(A)	(1) and (4)	(B) (1) and (2)
•	(6)	(1) and (3)	(D) (3), (4) and (2)
	(E)	Answer not known	
49.	The	gambiense strain of Trypanoso	oma brucei is transmitted by
	LAS)	Glossina palpalis	(B) Reduviid bug
	(C)	Culex fatifans	(D) Glossina morsitans
	(E)	Answer not known	

50.	Which one of the following Parasite cultivation?	ng media is needed for Leishmania						
	(A) Ringer's solution	N N N medium						
	(C) Tyrode's medium	(D) Citrated human blood						
	(E) Answer not known							
51.	Eggs of the following organization, except	anisms do not float in saturated sale						
	(A) Eggs of Taenia Sagina	ta						
	(B) Eggs of Taenia Solium	•						
	(C) Unfertilised eggs of As	· · · · · · · · · · · · · · · · · · ·						
	Eggs of Trichuris Trichiura							
	(E) Answer not known							
52.	Clay pipe-stem cirrhosis is c	aused by						
	(A) Schistosoma haematob	oium (B) Fasciolopsis buski						
	(C) Schistosoma mansoni	Schistosoma japonicum						
	(E) Answer not known							
53.	Which one of the following is	s called dwarf-tape worm?						
	(A) Hymenolepis diminuta	(B) Multiceps multiceps						
	(C) Dipyllidium caninum	Hymenolepis nana						
	(E) Answer not known							
54.	Which one of the following is	s called rat tape worm?						
	(A) Dipylidium caninum	(B) Hymenolepis nana						
	(2) Hymenolepis diminuta							
	(E) Answer not known	• • •						
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55.	Non	bile stained egg is present in				
	(A)	Fertilised egg of Ascaris				
	(B)	Unfertilised egg of Ascaris				
	(6)	Egg of Enterobius Vermicula	aris			
	(D)	Egg of Trichuris trichiura				
	(E)	Answer not known				
56.	All c	of the following microfilaria ar	e pres	ent in blood except,		
•	(A)	Microfilaria bancrofti	(B)	Microfilaria streptocerca		
	(C)	Microfilaria ozzardi		Microfilaria timorie		
	(E)	Answer not known	, ,			
57.	Man is the definitive host for all the following parasites except,					
	(A)	Taenia solium	(B)	Taenia saginata		
	(C)	Echinococcus granulosus	(D)	Enterobius vermicularis		
	(E)	Answer not known				
58.	Lung infection with which of the following parasites resembles pulmonary tuberculosis?					
	(A)	Entamoeba histolytica	(B)	Entamoeba coli		
	(B)	•		Schistosoma japonicum		
	(E)	Answer not known				
59.	_	rculated eggs giving rise to wing parasite	cilia	ted larva is seen with the		
	(1)	Diphylobothrium latum	(B)	Echinococcus granulosus		
	(C)	Taenia solium	(D)	Hymenolepis diminuta		
	(E)	Answer not known				
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60. All the following micro filaria are found in the		l in the skin, except				
	(A)	Mf. Volvulus	(B)	Mf. Streptocerca		
	929	Mf. Perstans	(D)	Mf. Ozzardi		
	(E)	Answer not known				
61.	-	technique can differentiate kl siella spp by detecting	.ebsie	ella granulomatis from other		
	(15)	Pho E gene	(B)	Kleb E gene		
	(C)	Kleb G gene	(D)	Pho G gene		
	(E)	Answer not known		•		
62.	Gene expert is used for detecting Mycobacterium tuberculosis and resistance to					
		Rifampicin	(B)	Isoniazid		
	(C)	Ethambutol	(D)	Pyrazinamide		
	(E)	Answer not known				
63.	Enz	yme used for primer extension	of P(	CR at 72° C is		
	(M)	Taq polymerase	(B)	Isomerase		
	(C)	Nuclease	(D)	Amylase		
•	(E)	Answer not known				

64.	Which one of the Automated PCR system is completely automated and giving results within 1 hour?									
	(1)	Bio fire film array								
	(B)	Loop mediated isothermal amplification								
	(C)	Real time PCR								
	(D)	Reverse transcriptase PCR								
	(E)	Answer not known	·							
65.	Whi	ch one of the following miluminescence?	reacti	ion	emits	energy	, in			
	(M)	Chemical reaction	(B) Flu	ıores	cent rea	action				
	(C)	Carbon-di-oxide-emission	(D) Ra	diolo	gical re	action				
	(E)	Answer not known								
		•	•		•	•				
66.	RT-I	PCR denotes								
	(1)	Reverse transcriptase PCR	(B) Re	al tir	ne PCR					
	(C)	Nested PCR	(D) Mu	ıltipl	ex PCR					
	(E)	Answer not known								
67.		ch one of the following valunization against Diphtheria?	iccines	is i	ndicate	d for	adult			
	(A)	DT vaccine	(B) TT	' vacc	cine					
	(C)	DPT vaccine	(P) Td	vacc	ine					
	(E)	Answer not known								

68.	No vaccines are currently available against,					
	(A)	Salmonella	(B)	Shigella		
	(C)	Vibrio	(D)	Polio		
	(E)	Answer not known				
69.	Give	e example of protein conjugate	d vaco	cine?		
	(A)	Measles vaccine	(B)	Pneumococcal vaccine		
	(C)	Pertussis vaccine	(D)	Varicella-zoster vaccine		
	(E)	Answer not known	•			
70.	All exce	the following vaccines are exept	cample	e of live-attenuated vaccine,		
	(A)	Varicella-zoster vaccine	(B)	Rubella vaccine		
	(6)	Pertussis vaccine	(D)	Oral Polio vaccine		
	(E)	Answer not known				
71.	Inactivated Viro cell culture - derived SA-14-14-2 vaccine is used for					
	(A)	Meningococcal Meningitis	(B)	Yellow fever		
	(6)	Japanese Encephalitis	(D)	West Nile fever		
	(E)	Answer not known				
72.	Whi	ich of the following is a Polysa	cchari	de Vaccine?		
	(A)	Haemophilus influenza vacc	ine			
	(25)	Pneumococcal vaccine				
	(C)	Hepatitic B vaccine				
	(D)	-				
	(E)	Answer not known				
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73.		ing sterility control of medit arded if detected contamination					
	(M)	10 %	(B)	6 %			
	(C)	3 %	(D)	2 %			
	(E)	Answer not known					
74.	Accı	reditation is also called					
	(A)	Quality control	(B)	Quality Assurance			
	(C)	Internal Audit	(1)	External Audit			
	(E)	Answer not known ·					
75.	Erythromycin can be used as a surrogate antibiotic for predicting susceptibility testing for the following antibiotics except						
	(A) ·	Azithromycin	(15)	Clindamycin			
	(C)	Clarithromycin	(D)	Dirithromycin			
	(E)	Answer not known					
76.		ch one of the following gen stance in leprosy patients?	e is	responsible for Rifampicin			
	(A)	fol P	(B)	rpo B			
	(C)	gyi A	(D)	RAM - 2			
	(E)	Answer not known					

77.	With regard to Fosfomycin – all are true except					
	(A)	Inactivates the enzy	me MurA			
	(B)	Active against uninary tract pathogens				
	(C)	Active against both gram positive and gram Negative bacteria				
	(5)	Resistance has not b	een reported yet			
	(E)	Answer not known				
78.		_	eiors classification of $eta$ -lactamase enzyme amase belongs to type			
	(A)	2a	2be			
	(C)	2br	(D) 2d			
	(E)	Answer not known				
79.	Enterococci is intrinsic resistant to which one of the following drug?					
	(A)	Polymyxin B	(B) Ampicillin			
	(2)	Cephalosporins	(D) Colistin			
	(E)	Answer not known				
80.		ch of the following me nodification of the targ	echanism of antimicrobial resistance is not get sites?			
	(11)	Resistance of gram r	negative bacteria to quinolones			
	(B)	Resistance of M. tub	erculosis to streptomycin			
	(C)	Resistance of pneum	ococci to $\beta$ lactam antibiotics			
	(D)	Resistance of Entero	cocci to Vancomycin			
	(E)	Answer not known				

81.	EAC	rosettes are formed by		
	(A)	T cells	B cells	
	(C)	Manophages	(D) Monocy	tes
	(E)	Answer not known		
82.		'Network' hypothesis to explain body response was postulated l		nism of regulation of
	(A)	Burnet	(Z) Jerue	
	(C)	Mudd	(D) Fenner	
	(E)	Answer not known	•	•
83.	Inte	r Levkin 1 ( <i>IL</i> <sub>1</sub> ) is also known	as	
÷	(A)	B cell growth Factor	Endoger	nous Pyrogen
	(C)	T Cell Growth Factor	(D) Integrin	ıs .
	(E)	Answer not known		
84.	The	following are CD Markers for '	$\Gamma$ cell except	
	(K)	CD 19	(B) CD 3	
	(C)	CD 4	(D) CD 8	
	(E)	Answer not known		
85.		ording to Eichwald - Silmser e aft is transferred	effect, the reje	ction risk is greater
		From a male donor to a femal	le recipient	
	(B)	From a female donor to a ma	le recipient	
	(C)	From a male donor to a male	recipient	
	(D)	From a female donor to a fem	ale recipient	
	(E)	Answer not known		
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86.	A graft taken from an individual and placed an another individual of the same genetic constitution is called as					
	(A)	Autograft	(5) Isograft			
	(C)	Xenograft	(D) Allograft			
	(E)	Answer not known				
87.	Syngeneic Grafts are Grafts from					
		Monozygotic twins				
	(B)	The same Individual				
	(C)	Intra uterinė fetus	•			
	(D)	From an Animal of Different	species			
	(E)	Answer not known				
88.	Monoclonal antibodies approved for treatment of Breast Cancer is					
	(A)	Alemtuzumab	(B) Bevacizumab			
	(2)	Trastuzumab	(D) Cetuximab			
	(E)	Answer not known				
89.	The	following disease is due to diso	order of phagocytosis			
	(4)	Tobs.syndrome				
	(B)	Thymic hypoplasia				
	(C)	Trans cobalamin deficiency				
	(D)	Ataxia telangiectaria				
	(E)	Answer not known				

- 90. Purine Nucleoside phosphorylase deficiency is due to
  - (A) Humoral Immunodeficiency
  - Cellular Immunodeficiency
  - (C) Combined Immunodeficiency
  - (D) Disorders of phagocytosis
  - (E) Answer not known
- 91. One of the following is true about BCG Vaccine
  - (A) Killed Vaccine

- Live Attenuated Vaccine
- (C) Toxoid Vaccine

- (D) DNA Vaccine
- (E) Answer not known
- 92. Passive Immunoglobulin preparation used as post exposure prophylaxis in hematopoietic stem cell and kidney transplant recipients is
  - (A) RG ISO immuneglobulin
  - (B) Hepatitis B Immune globulin
  - Cytomegalo virus immune globulin
  - (D) Diphtheria antifoxin
  - (E) Answer not known
- 93. Membrane bound B cell Receptors are
  - (A)  $\operatorname{Ig} A + \operatorname{Ig} E$

(B) Ig G + Ig A

 $\mathscr{L}$  Ig M + Ig D

- (D) Ig G + Ig M
- (E) Answer not known

- 94. Which of the following is true of (TSST) Toxic Shock Syndrome Toxin a super antigen?
  - (A) CLIP (Class II Invariant Chain Peptide)
  - (B) Tap Protein
  - $V_{\beta}$  Region of T cell receptor
  - (D) Toll like Receptors
  - (E) Answer not known
- 95. Oudin procedure is
  - (X) Single diffusion in one dimension
  - (B) Double diffusions in one dimension
  - (C) Single diffusion in two dimension
  - (D) Double diffusion in two dimensions
  - (E) Answer not known
- 96. Paroxysmal Nocturnal Hemoglobinuria (PNH) is due to deficient
  - (A) DAF Decay
  - (B) C<sub>1</sub> esterase inhibitor
  - Decay Accelerating factor DAF and CD 59
  - (D) CD 59
  - (E) Answer not known

97.	Serum Sickness reaction is characterized by requirement of a						
	(A)	A) Single injection as sensitising dose					
	(B)	Single injection serves both as sensitising dose and shocking dose					
	(C)	Two injections respectively as s	ensitising and shocking dose				
	(D)	Single injection as shocking dos	e				
÷	(E)	Answer not known					
98.	Alla	are systemic auto immune disease	es except				
	(A)·	(A) Systemic lupus erythematosis ·					
	(B)	B) Rheumatoid arthritis					
	(9)	Addisons disease					
	(D)	Polyarteritis nodosa					
	(E)	Answer not known	•				
99.	In chai	Shwartzman reaction the in	nitial (preparatory) dose is				
	(15)	An endotoxin (	B) Serum				
	(C)	Kaolin (	D) Starch				
	(E)	Answer not known					
100.	Serum sickness is a type of hypersensitivity which is described as						
		Systemic immune complex disease					
	(B)	Localized immune complex dise	Localized immune complex disease				
	(C)	Allergic reaction					
	(D)	Delayed type hypersensitivity r	eactions				
	(E)	Answer not known					

101.	High featu	-	ilters (HEPA) has the following
	(1)	Used in biosafety cabinets, rooms	operation theatres and isolation
	(2)	Removes 99.97% of particles	with 0.3 μm size
	(3)	Membrane filters are used in	air and water filtration
	(4)	Ultra-low particulate filters a	re not available
	(K)	(1), (2) and (3) are true	(B) (2), (3) and (4) are true
	(C)	(1), (2) and (4) are true	(D) (1), (3) and (4) are true
•	(E)	Answer not known	
102.	102. Which of the following is correctly paired?		
	(1)	Floor cleaning -	Lysol .
	(2)	Mouth wash -	Hydrogen peroxide
	(3)	Drinking water –	Chlorine
	(4)	Hand rub –	Alcohol
	(A)	(1) and (2) are correct	
	<b>(B)</b>	(1), (3) and (4) are correct	
	(C)	(1), (2) and (4) are correct	
-	(D)	(2) and (3) are correct	
	(E)	Answer not known	
103.	Micro	obe which can survive pasteur	isation by holder method is
	(A)	Brucella abortus	(B) Salmonella typhi
	(C)	Mycobacterium bovis	(E) Coxiella burnetti
	(E)	Answer not known	•
			•

104.	For media containing sugars or gelatin an exposure of 100°C for 20 min on 3 successive days is called?						
	(A)	Pasteurisation	(B)	Inspissation			
	(2)	Tyndallisation	(D)	Incineration			
	(E)	Answer not known					
105.		permanent loss of fluorescence e fluorochrome is called	e as	a result of chemical damage			
	(A)	Fluorochroming	(B)	Quenching			
	(2)	Photo bleaching	.(D)	Epifluoroscence			
	(E)	Answer not known					
106.	Whie	ch of the following is incorrectly	y pai	red?			
•	(1)	Ignaz semmelweis	_	Hand hygiene			
	(2)	Antonie Van Leeuwen Hoek	_	Single – lens microscope			
	(3)	Edward Jenner	_	Vaccine for Anthrax			
	(4)	Louis Pasteur	_	Fermentation of bacteria			
	(2)	(3) is incorrectly paired	(B)	(4) is incorrectly paired			
	(C)	(2) is incorrectly paired	(D)	(1) is incorrectly paired			
	(E)	Answer not known					
107.		greatest impact in medicine v Rabies by	vas t	he development of a vaccine			
	(A)	Edward Jenner	(B)	Louis Pasteur			
	(C)	Robert Koch	(D)	Ignaz Semmelweiss			
	(E)	Answer not known					

108.	Introduction of antiseptic techniques in surgery was pioneered by				
	(K)	Joseph Lister	(B) Robert Koch		
	(C)	Paul Ehrlich	(D) Louis Pasteur		
	(E)	Answer not known			
109.	Choo	se the right matches among	the following:		
	(1)	Enriched Media –	Loeffler's serum slope		
	(2)	Basal media –	Blood agar		
	(3)	Selective media -	Potassium tellurite agar .		
	(4)	Differential media –	Nutrient agar		
		(1) and (3) are correct	(B) (1) and (2) are correct		
	(C)	(2) and (3) are correct	(D) (3) and (4) are correct		
	(E)	Answer not known	•		
110.		following are the biochemic eria, except	ical tests done for identification of		
•	(A)	Catalase test	(E) Chick – Martin test		
	(C)	Indole test	(D) Coagulase test		
	(E)	Answer not known			
111.	Follo	owing bacteria can grow in a	cidic pH		
	(A)	Vibrio cholerae	(Z) Lacto bacilli		
	(C)	Pseudomonas aeruginosa	(D) Klebsiella Sp.		
	(E)	Answer not known			

112.	When a liquid medium contains a substance that inhibits all unwanted bacteria but stimulates the growth of particular bacteria it is known as								
	(A)	Enrichment media	(B)	Selective media					
	(C)	Differential media	(D)	Transport media					
	(E)	Answer not known							
113.	Albe	rt's staining is employed to ide	ntify	· ·					
		Corynebacterium diphtheriae							
	(B)	Mycobacterium tuberculosis							
	(C)	Mycobacterium leprae							
	(D)	Pseudomonas Sp.							
	(E)	Answer not known							
•		•		•					
114.	Туре	of motility seen in Spirochetes	is:						
	(1)	Flexion – Extension motility							
	(2)	Tumbling motility							
	(3)	Corkscrew motility		•					
	(4)	Swarming motility							
	(A)	(1) and (2)	(B)	(2) and (4)					
	(C)	(3) and (4)	(B)	(1) and (3)					
	(E)	Answer not known							

115.	Choose the wrong matches:						
	(1)	Flagella	_	Motility			
	(2)	Spore	_	Cellwall deficient forms			
	(3)	Fimbriae	_	Adhesion			
	(4)	L-Forms	*****	Resting stage			
	(A)	(2) and (3) are wro	ng	(2) and (4) are wr	ong		
	(C)	(1) and (4) are wro	ng	(D) (3) and (4) are wr	ong		
	(E)	Answer not known			,		
116.		ne – acetone is use fications of Gram S		s a decolouriser in one of the ing of Bacteria	e following		
	(K)	Preston and Morre	ell's	(B) Weigert's			
	(C)	Jensen's	•	(D) Kopeloff and Beer	rman's		
	(E)	Answer not known	1				
117.	The Polymerase Chain Reaction (PCR) was first developed in the year						
	(A)	1963		(B) 1973			
	(2)	1983		(D) 1993			
	(E) Answer not known						
118.	All t	_	subst	titutions at single nucleotide	base pair		
	(11)	Transversion		(B) Silent mutation			
	(C)	Neutral mutation		(D) Missense mutation	n		
	(E)	Answer not known	ı				

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119.	Tran	Transient bacteremia occurs during the following actions except							
	(A)	Chewing		(B)	Dental procedure				
	(C)	Brushing of teeth			Bathing				
	(E)	Answer not known							
100									
120.	Choose the right match from below:								
	(1)	Northern blot	_	Used to det	tect RNA				
	(2)	Eastern blot	<del></del>	Used to det	ect proteins				
	(3)	Western blot	-	Used to det	tect lipids				
	(4)	Southern blot	_	Used to det	tect DNA				
	<b>(X)</b>	(1), (2) and (4) are correct							
	(B)	(1), (2) and (3) are correct							
	(C)	(2), (3) and (4) are correct							
	(D)	(2), (3) are correct							
	(E)	Answer not known							
121.	Chagas disease is transmitted by								
		Reduviid bug		(B)	Louse				
	(C)	Tick		(D)	Mite				
	(E)	Answer not known							
122.	The following agents used as bio terrorism agents except								
	(A)	Anthrax			Clostridium tetani				
	(C)	Claviceps purpure	a	• /	Plague				
	(E)	Answer not known							

123. Assertion [A]: Multiplex PCR is useful in detecting multiple causative agents.

Reason [R]: It amplies DNA in samples using single primer that is common for different organisms.

- (A) [A] is true and [R] is true
- (A) is true and [R] is false
- (C) [A] is false and [R] is true
- (D) Both [A] and [R] are false
- (E) Answer not known
- 124. Regarding the antimicrobial stewardship programme.

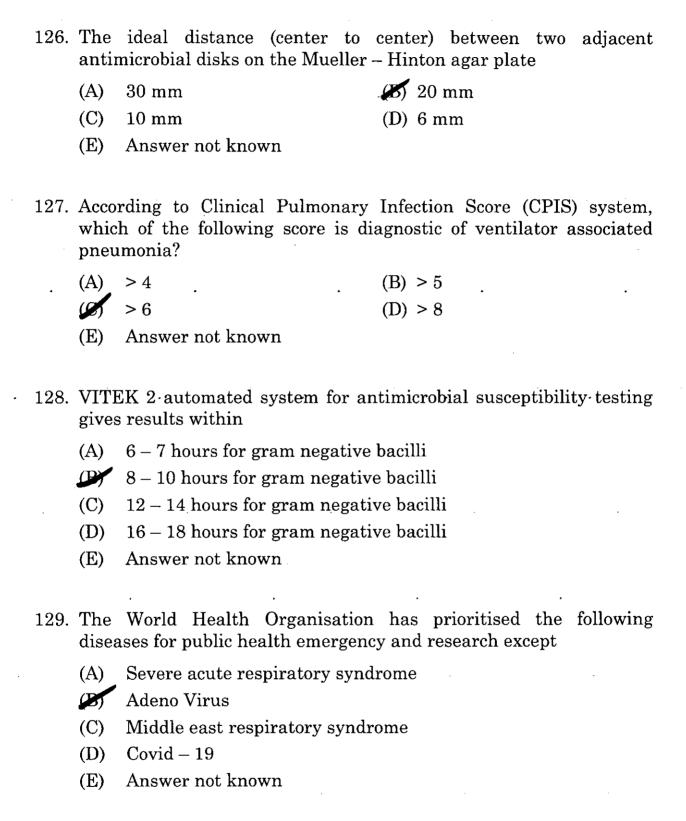
The following are the strategies

- (i) Prior authorisation
- (ii) Reducing the cost to the patient
- (iii) De-escalation of an antibiotic following empiric therapy
- (A) (i) only

(B) (ii) and (iii) only

(C) (i) and (ii) only

- (i) and (iii) only
- (E) Answer not known
- 125. Which of the following criteria is not correct in defining Catheter Related Blood Stream Infection (CRBSI)?
  - (A) The same pathogen is isolated from a quantitative blood culture drawn through central and peripheral vein
  - (B) Differential time to positivity is less than 2 hours
  - (C) Colony count is 3 times higher in the sample from central line than in peripheral line
  - Sample collected from peripheral Vein grows earlier than a sample from central Vein
  - (E) Answer not known



130.	Whic	ch of the following is fourth gen	n generation cephalosporin?						
	(A)	Cephazolin	(B) (	Cefprozil					
	(C)	Cefmetazole	(B) (	Cefeprime					
	(E)	Answer not known	•						
131.	Find out the correct sequence of doffing of PPEs?								
	(M)	$Glove \rightarrow Face shield \rightarrow Gown \rightarrow Mask$							
	(B)	$Gown \rightarrow Glove \rightarrow Face shield \rightarrow Mask$							
	(C)	C) $Mask \rightarrow Gown \rightarrow Face shield \rightarrow Gloves$							
	(D)	) Gloves→Gown→Mask→Face shield							
	(E)	Answer not known							
132.	The following statements are rejection criteria for urine sample collection except,								
	(A)	Foley catheter tips							
	(D)	Suprapubic aspiration of urine							
	(C)	Urine collected from catheter bag							
	(D)	Urine collected in unsterile container							
	(E)	Answer not known							
133.	Blood bags should be disposed in to which colour code bag?								
	(1)	Yellow	(B) I	Red					
	(C)	Blue	` '	Black					
	(E)	Answer not known	` /						

134.	Match	the	following	type	
------	-------	-----	-----------	------	--

Syndrome of virus

Specimen collected for laboratory diagnosis

- (a) Herpes simplex virus
- 1. Serum

(b) Rotavirus

- 2. Nasopharyngeal swab
- (c) Dengue virus
- 3. Feces
- (d) Influenza virus
- 4. Vesicle fluid
- (a) (b) (c) (d)
- **\***) 4 3 1 2
- (B) 4 1 2 3
- (C) 2 3 1 4
- (D) 2 1 3 4
- (E) Answer not known
- 135. One of the following media is act as a transport media for streptococcus pyogenes?
  - (A) Crystal violet blood agar medium
  - Pike's medium
  - (C) Chocolate Agar
  - (D) Tween-80 Blood agar
  - (E) Answer not known
- 136. To detect the Escherichia oil in water sample, McCrady's probability tables is used in
  - (A) Plate count
  - (B) Presumptive coliform count
  - Differential coliform test
  - (D) Membrane filtration method
  - (E) Answer not known

137.		One of the following organism is responsible for fried rice associated food poisoning?						
	(A)	Vibrio cholerae	(B)	Salmonella species				
	(2)	Bacillus cereus	(D)	Shigella species				
	(E)	Answer not known						
138.		Needle stick Injury, the risk th one of the following virus?	of t	ransmission is highest with				
	(K)	HBV Hepatitis B virus	(B)	Hepatitis C virus				
	(C)	HIV ·	(D)	Malaria ·				
	(E)	Answer not known						
139.	Effic	acy of pasteurization milk is te	ested	by				
	(A)	Methylene blue reduction test	t	•				
	(B)	Phosphatase test						
	(C)	Turbidity test						
	(D)	Eijkman test						
	(E)	Answer not known						
	The following is true about Membrane filtration method of water analysis EXCEPT							
	(A)	Less labour intensive						
	(B)	) Gives direct count of thermotolerant coliforms in water.						
	(2)	Turbid water can be tested						
	(D)	More useful in testing dialysis water						
	(E)	) Answer not known						

141.		eation for 23-valent Pneum 7 23) are all EXCEPT	ococe	eal l	Polysaccharide	e Vaccine			
	(A)	Age above 65 years	(B)	Coch	ılear implants	3			
	(C)	Sickle cell disease			dren less thar				
	(E)	Answer not known	<b>—</b> /			J +			
	( )								
142.		are true about Community hylococci (CA-MRSA) EXCEPT	_	uired	Methicillin	Resistant			
	(A)	More virulent							
	(B)	` '							
	(2)	Express mec A gene subtype II and III							
	(D)								
	(E)	Answer not known							
	•								
143.	Opto	Optochin sensitivity is a characteristic feature of							
		Pneumococcus	(B)	Stre	ptococcus pyo	genes			
	(C)	Staphylococcus aureus	(D)	Stre	ptococcus aga	lactiae			
	(E)	Answer not known				•			
144.	Posit	ive tuberculin test is indicated	by i	ndur	ation of				
	(A)	2–4 mm in diameter	(B)	6–8	mm in diamet	er			
	(2)	10 mm on more in diameter							
	(E)	Answer not known							
145.	Sun ray appearance is a characteristic feature of								
	(45)	Actinomyces	(B)	Noca	ardia				
	(C)	Mycobacteria			ımydia				
	(E)	Answer not known	` /	•	·	•			
	`. '								

146.	Shig	rella shigae is
		Shigella dysenteriea serotype 1
	(B)	Shigella dysenteriea serotype 2
	(C)	Shigella dysenteriea serotype 3
	(D)	Shigella dysenteriea serotype 4
	(E)	Answer not known
147.	Poac bacil	ched egg colony morphology is seen in which type of diphtheria
	(A)	Gravis (B) Intermedius
	(2)	Mitis (D) Minismus
	(E)	Answer not known
148.		of the following statements are true about Anthrax toxin
	(A)	Antibody to protective antigen factor is protective
	(B)	Entry of Lethal factor into cell causes cell death
	(6)	It is a complex of 10 fractions
	(D)	Oedema factor is an adenyl cyclase
	(E)	Answer not known
149.		rnational Reference centre for vibro phage typing in India is ted at
	(Å)	NIV pune
	(B)	Moulana Azad Medical College
	(C)	AIIMS New Delhi
	<b>(B)</b>	National Institute of Cholera and Enteric Disease (NICED) Kolkata
	(E)	Answer not known
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		·							
150.	All are true about Melioidons except								
	(A)	Caused by Burkholderia pseu	doma	allei					
	(B)	Characterised by normal sputum							
	(B)	Caused by Burkholderia malle	ei	•					
	(D)	Vaccine is not available							
	(E)	Answer not known							
151.	Whic	ch of the following organism is	oxida	ase negative?					
	(M)	Klebsiella pneumoniae	(B)	Vibrio cholerae					
	(C)	Pseudomonas aeruginosa	(D)	Aeromonas sp.					
	(E)	Answer not known							
152.	Injectable vaccine for typhoid contains vi polysaccharide antigen, obtained from								
	(A)	S. Typhi strain Ty 1	<b>(B)</b>	S. Typhi strain Ty 2					
	(C)	S. Typhi strain Ty 3	(D)	S. Typhi strain Ty 4					
	(E)	Answer not known							
153.	Wate	er quality is tested by absence o	of						
	(A)	Yersinia sp.	(B)	Staph. aureus					
	(2)	Coliforms	(D)	Step. pyogens					
	(E)	Answer not known							
154.	Salm	Salmonella gastroenteritis is most commonly caused by							
	(A)	S. typhi	(B)	S. typhimurium					
		S. paratyphi A		S. paratyphi B					
	(E)	Answer not known							

		-		·
155.	Lous	e Borne Relapsing fever caused	l by	
	(A)	Borrelia hermici	(B)	Borrelia parkeri
	(2)	Borrelia recurrentis	(D)	Borrelia turicate
	(E)	Answer not known		
1 E C	En:4	amia tumbua farran aguaad bu		
156.	_	emic typhus fever caused by	/Tr <b>æ</b>	70.1
	(A)	Salmonella typhi		Rickettsia prowazekii
	(C)	Rickettsia ricketsii	(D)	Rickettsia conosi
	(E).	Answer not known		
157.	The s	specific tests for T. pallidum ar	e all	except
	(4)	VDRL		
	· (B)	TPI (T. pallidum immobilisation	on te	est)
	(C)	TPHA (T. pallidum Haemaggl	utin	ation test)
	(D)	FIA - ABS (Fluorescent Trepor	nem	al Ab Absorption test)
	(E)	Answer not known		
158.	Non	motile Salmonella is		
	( N#	Salmonella pullorum	(B)	Salmonella paratyphi A
	(C)	Salmonella typhi	• •	Salmonella typhimurium
•	(E)	Answer not known	(1)	baimonena typininariam
	(E)	Answer not known		
159.	Whic	ch of the following helps in the	diag	nosis of carriers in typhoid?
	(A)	Blood	(B)	Faeces
	(C)	Urine	(D)	Pus
	(E)	Answer not known		

160.	Strains used for salmonella Antigen preparation is								
	(2)	S. Typhi 901 'O' and H	(B)	S. Typhi 904 'O' and H					
	(C)	S. Typhi 109 'O' and H	(D)	S. Typhi 409 'O' and H					
	(E)	Answer not known							
161.	Cyto	pathic effect of cell line in mea	sles	is					
	(A)	Cytoplasmic vacuolations							
	(B)	Nuclear vacuolations							
	(2)	Syncytium or multinucleated giant cell formation							
	(D)	Crenation of cells							
	(E)	Answer not known							
162.	Prin	nary cell lines divide maximum	upto	)					
		Upto 5–10 divisions	(B)	Upto 2–4 divisions					
	(C)	Upto 10–20 divisions	(D)	Upto 15–30 divisions					
	(E)	Answer not known							
163.	The	following viruses belongs to Bu	nyav	viridae family					

Hepatitis B virus and Herpes simplex virus

Corona virus and Rabies virus

Mumps virus and measles virus

Answer not known

Hanta virus and sandfly fever virus

(A)

(B)

(E)

(D)

(E).

	(A)	Echovirus and enterovi	rus
	(B)	Rhinovirus and poliovi	rus
	(C)	Varicella zoster virus a	nd cytomegalo virus
	<b>(B)</b>	Marbug virus and Ebol	a virus
	(E)	Answer not known	
165.		<del>-</del>	d to produce Macroscopic afflutination 0.5 ml of 0.5% suspension)
	(A)	106 .	$10^7$
	(C)	$10^5$	(D) 10 <sup>8</sup>
	(E)	Answer not known	
	mı.		
166.	The is	only DNA virus that rep	olicates in the cytoplasm of the host cells
	(A)	Hepatitis B virus	(P) Pox virus
	(C)	Herpes virus	(D) Parvo virus
	(E)	Answer not known	
167.	All t	he following are diploid	cell culture <u>except</u>
	(A)	W1-38 (Wistar Institut	ee - 38)
	(B)	MRC-5 (Medical Resea	rch Council Cell Strain - 5)
,	(C)	Human fibroblast cell l	ine
	<b>(B)</b>	Chick embryo cell line	
	(E)	Answer not known	

164. Which of the following viruses belongs to Filoviridae family?

168.	"Roll	ing Circle" mechanism of biosy	enthesis of DNA is seen in
	(A)	Adeno viruses	(B) Pox viruses
	(C)	Parvo viruses	Herpes viruses
	(E)	Answer not known	. , ,
169.		mechanism of action of Ralte 1 infection	gravir drug used in treatment of
	(A)	HIV protease inhibitor	
	(B)	Viral polymerase inhibitor	
	(2)	Integrase inhibitor	
	(D)	Blocking of viral uncoating	
	(E)	Answer not known	
170.		ch of the following drugs is infection?	effective against herpes simplex
	(K)	Acyclovir	(B) Ribavirin
	(C)	Indinavir	(D) Amantadine
	(E)	Answer not known	
171.		ch of the following is the ment of influenza virus infecti	matrix protein inhibitor in the on?
	(K)	Amantadine, Rimantadine	
	(B)	Dasabuvir, Sofosbuvir	
	(C)	Oseltamivir, Zanamivir	•
	(D)	Zanamivir, Sofosbuvir	
	(E)	Answer not known	

172.	Nakayama strain is used in the preparation of vaccine for									
	(A)	Yellow fever								
	(B)	Chikungunya fever								
	(C)	Dengue haemorrhagic fever								
	<b>(B)</b>	Japanese B encephalitis								
	(E)	Answer not known								
173.	The	following are Bacteriophage co	ded l	pacterial toxins except						
	(1)	Botulinum toxin A and E								
	(B)	Diptheria toxin								
	(C)	Cholera toxin								
	(D)	Verocytotoxin of Enterohemorrhagic E.coli								
	(E)	Answer not known								
174.	Which of the following viruses was used for small pox vaccination?									
	(2)	Vaccinia virus	(B)	Variola virus						
	(C)	Cow pox virus	(D)	Tanapox virus						
	(E)	Answer not known								
175.		ne the virus which causes s ulation of specimen in suckling	_							
	(A)	Coxsackie virus – A	(B)	Adenovirus						
,	(2)	Coxsackie virus - B	(D)	Herpes simplex virus						
	(E)	Answer not known								

							÷				
176.		Which of the following virus infection are transmitted by vector bite?									
	(A)	Rotavirus, adenovirus									
	(B)	Dengue virus, chikungunya virus									
	(2)	Dengue virus, chikungunya virus, yellow fever virus									
	(D)	Poliovirus, adenovirus									
	(E)	Ans	wer no	ot knov	wn						
177.	The principal mode of action of interferon										
	(A)	Prot	tects v	irus in	fected cells	s fro	m·cell de	ath ·			
	(B)	Present in serum of healthy individuals									
	(C)	-									
		Induces synthesis of cellular proteins that inhibit translation or transcription									
	(E)			ot knov	wn						
178.	Match correctly the characteristic cytopathic effect produced by the following viruses:							y the			
	(a)	Cren	ation o	of cells		1.	Adenov	irus			
	(b)	Sync	ytium	forma	tion	2.	Herpes	virus			
	(c)	Large	e gran	ular cl	umps	3.	Entero	virus			
·	(d)	Discrete focal degeneration		eneration	4.	Measle	s virus				
		(a)	(b)	(c)	(d)						
	(A)	3	2	. 1	4			•			
	(B)	1		3	2						
	(2)	3	4	1	2						
	(D)	4	3	2	1						
	(E)	Ansv	ver no	t know	'n						

179.	All are true about pegylated IFNs except								
	(A)	(A) They attain more sustained serum concentrations							
	$(\mathbf{E})$	They are IFN and linked to polymethylene glycol							
	(C)	They are slowly absorbed into	the system						
	(D)	Can be administered therapeu	itically once a week						
	(E)	Answer not known							
180.	Whic	ch type of interferon induces nit	cric oxide synthetase?						
	SAS	Interferon $\gamma$							
•	(B)	Interferon $\alpha$	•						
	(C)	Interferon $oldsymbol{eta}$							
	(D)	Interferon $\alpha$ , $\beta$ and $\gamma$							
	(E)	Answer not known	•						
181.	Herp	pangina is caused by							
	(A)	Coxsackie B virus							
	(B)	Coxsackie A virus	•						
	(C)	Enterovirus 70							
	(D)	Echoviruses							
	(E)	Answer not known							
182.	Eryt	hema infectiosum is caused by							
	(A)	Poliovirus	(B) Papovavirus						
	(2)	Parvovirus	(D) Polyoma virus						
	(E)	Answer not known							

183.		major barrier to the control of rhinovirus upper respiratory tions by immunization is						
	(A) (B)	The poor local and systemic immune response to these viruses The large number of rhinovirus serotypes						
	(C)	The side effects of the vaccine						
	(D)	The inability to grow the viruses in cell culture						
	(E)	Answer not known						
184.	Moll	uscum contagiosum virus is characterized by						
	(i)·	Not been transmitted to animals						
	(ii)	Can be grown in tissue culture						
	(iii)	Short incubation period						
•	(iv)	Viral DNA resembles vaccinia virus						
	(1)	(i) and (iv)						
	(B)	(i) and (iii)						
	(C)	(ii) only						
	(D)	(iii) and (ii)						
	(E)	Answer not known						
185.	Strai	in of mumps virus used in the production of mumps vaccine is						
	(A)	Dakar strain (25) Jeryl-Lynn strain						
	(C)	Paschen strain (D) Reiter's strain						
	(E)	Answer not known						

186.	Most of the acute pneumonia in children is caused by									
	(A)	Parainfluenza viruses 11 and 3								
	<b>(B)</b>	Parainfluenza viruses 1 and 3								
	(C)	Parainfluenza viruses 11 and 13								
	(D)	Parainfluenza viruses 1 and 13								
	(E)	Answer not known								
187.	Cast	leman's disease is caused by								
	(A)	HHV-6 HHV-8								
•	(C)	HHV-7 (D) HSV-1								
	(E)	Answer not known								
188.		Bunnel Test is the standard diagnostic procedure for the nosis of								
	(A)	Herpes simplex type-2								
	(B)	Cytomegalovirus								
	(2)	Epstein-Barr virus								
-	(D)	Herpes simplex type-1								
	(E)	Answer not known								
189.	autoi	by is delivered with CNS defects, ocular defects, renal defects, nomic system defects $\overline{e}$ cicatricial skin lesions. Which one of the nism is responsible?								
	(A)	CMV								
	(B)	Rubella								
	(C)	Toxoplasma								
	<b>(D)</b>	Varicella								
	(E)	Answer not known								

190.		human herpesvirus 7 (HHV-7) persistent infe ablished in	ctions	are
	(4)	Salivary glands		
	(B)	Lymphocytes		
	(C)	Fibroblastoid cells		
	(D)	Peripheral blood mononuclear cells		
	(E)	Answer not known		
191.	The	only human hepatitis virus that can be cultivated in	vitro is	
	(2)	Hepatitis A virus (B) Hepatitis B virus	<b>;</b>	
	(C)	Hepatitis C virus (D) Hepatitis D virus	S	
	(E)	Answer not known		
192.	_	gri bodies are characteristic intra cytoplasmic e usion bodies seen in	eosinopl	iilic
	(A)	Reo virus (28) Rabies virus		
	(C)	Polyoma virus (D) Polio virus		
	(E)	Answer not known		
193.	Нера	patitis due to hepatitis A virus is		
	(A)	Transmitted by blood transfusion, incubation periodays	od is 50	)-70
	(B)	Transmitted by faeco oral route, incubation periodays	od is 50	)-70
	(C)	Transmitted by sexual route, incubation period is 50	)-70 day	'S
		Transmitted by faeco-oral route, incubation 10-50 days	period	is
	(E)	Answer not known		

194.	Rotaviruses and astroviruses share a number of characteristics except			
	(A)	Multiple serotypes exist		
	(B)	Live vaccine available		
	(C)	Can cause gastroenteritis in infants and children		
	(D)	Fecal oral route of transmission		
	(E)	Answer not known		
195.	Rotavirus caused an epidemic in which of the following country?			
	(A)	Kenya ·	(B) Zambia	
	(C)	Burma	(F) Brazil	
	(E)	Answer not known		
196.	The principal core antigen of HIV virus is			
	(A)	$P_{31}$	(B) P <sub>18</sub>	
	(2)	$P_{24}$	(D) $P_{51}$	
	(E)	Answer not known		
197.	Substance found in urine which have a predictive value on the progression of HIV disease is			
	(A)	Albumin	(B) C-Reactive protein	
	(2)	Neopterin	(D) Fibrinogen	
	(E)	Answer not known		

198.	A patient presented to OPD with fever for about 4 days with h/o severe myalgia headache, retro bulbar pain, conjunctival injection and pain in the back and limb with maculopapular rash. What is your probable clinical diagnosis?			
	(A)	Yellow fever		
	(B)	Chikungunya		
	LO)	Dengue		
	(D)	Pontiac fever		

- 199. Which of the following statements about dengue virus is not true?
  - (A) it is distributed world wide in tropical regions
  - (B) it can cause a severe hemorrhagic fever
  - there is a single antigenic type

Answer not known

- (D) one form of disease is characterised by increased vascular permeability
- (E) Answer not known
- 200. Kyasanur Forest disease is transmitted by
  - (A) Mite

(E)

- (B) Louse
- (2) Tick
- (D) Mosquito
- (E) Answer not known