1.	Acc	cording to Spaulding classification, Lapa	aroscopic and arthroscopic instruments are unc	jer.
	a)	Critical item	b) Semi critical item	
	c)	Noncritical item	d) None of the above	9
2.	Spu	itum can be disinfected by all except:		
	a)	Autoclaving	b) Boiling	d
	7	Cresol	d) Chlorhexidine	
3.	Red	commended transport medium for sto	ol specimen suspected to contain enteric patho	gens is:
	a)	Amie's medium	b) Buffered glycerol saline medium	6
	c)	MacConkey medium	d) Blood agar	
4.	All	of the following are required in PCR ex	ccept:	
	a)	Deoxyribonucleotides		
	b)	Thermostable enzyme/ DNA polymera	se	
	c)	Dideoxyribonucleotides		
	d)	Magnesium/ssDNA/Template DNA		
5.	Dr	ug against ESBL producing Pseudomona		
	a)	Ceftriaxone + Piperacillin	b) Ceftriaxone + Tazobactam	C
	c)	Piperacillin + Tazobactam	d) Ceftriaxone + Piperacillin + Tazobactam	
6.	Fo	r antibiotic sensitivity test, the organism		
	a)	McFarland standard 0.5	b) McFarland standard 1	9
		McFarland standard 2	d) McFarland standard 3	
7.	ΑII	of the following are a part of the innat		6.
	a)	Complement	b) NK cells	d
	c)	Macrophages	d) T cells	
8.	Sp	an of C reactive protein half-life:	81 P	
	a)	18 hrs	b) 2 hrs	
	c)	12 hrs	d) 15 hrs	·
9.	All	of the following statements about hyb	oridoma technology are true except:	
	a)	Specific antibody producing cells are in	ntegrated with mycloma cells	
	b)	Myeloma cells in salvage pathway gro	ws well in HAT medium	b
	c)	Aminopterin, a folate anatagonist, inh	ibits denovo patnway	
	d)	HGPRT ase and thymidylate synthetas	e are required for salvage pathways.	nected to
10	10. A 20-year old with a history of fever and enlarged lymph nodes and sore throat was suspected to have infectious mono-nucleosis and was ordered a Paul Bunnel test. Which of the following is the principle of the test?			ving is the
	a)	Heterophile agglutination test		
	b)	Neutralization test		a
	c)	Compliment mediated cell damage		
	d)	Agglutination reaction	ffi-n entirens by Antigen	oresenting
11	. A ı	new agent was developed to increase t	the recognition of foreign antigens by Antigen	
	ce	lls. True regarding the physiological as	over	
	a)	Antigen is presented via MHC-I compl	o viruses are generated	
		APCs are required before a response t	ras APCs	d
	c)	Direct antibody stimulation still require	red by CD4+ T Cells	
	d)	Antigen processed by APC are recogni	zed by CD41 1 CC113	

12. The role played by MHC 1 and 2 is to:		
a) Stimulate interleukin production		
b) Immunoglobulin class switch over		
c) Transduce the signal to T- Cells follow	ving antigen binding	d
d) Presenting the antigen for recognitio	-	
13. Two days after penicillin administration		namalysis Which
type of hypersensitivity reaction is this?	, antibodies developed that resulted in i	iemorysis. willci
a) Type-l	b)Type-II	b
c) Type-III	d) Type-IV	
14. Which of the following is type IV hypers	ensitivity reaction?	
a) Arthus reaction	b) Serum sickness	d
c) Schwartzman reaction	d) Granulomatous disease	9
15. According to national immunization sch	edule, which of the following is recomm	ended for a child of
5-year of age?		
a) Pentavalent vaccine and vitamin A	b) DT booster	d
c) DT, OPV and Vitamin A	d) DPT booster and Vitamin A	
16. In a 5-year-old boy who has history of p	yogenic infections by bacteria with polys	accharide-rich
capsules, which of the following investigna) IgA deficiency		
c). IgG2 deficiency	b) IgGI deficiency	C
17. Cephalosporin with anti-MRSA activity:	d) IgA and IgG2 deficiency	
a) Ceftiaxone	b) Aztreonam	
c) Cefazolin	d) Ceftobiprole	d
18. MC phage type of Staphylococcus aureu		41
a) 70/80	5 15.	
b) 3A/3B		
c) 80/81		C
19. Coral cuts are associated with:		
a) Vibrio vulnificus	b) Pseudomonas aeruginosa	
c) Staphylococcus aureus	d) Streptococcus Species	d
20. A 65-years old patient presented to the		nain increased
respiratory rate and cough with expecto	그 이 사람들이 다른 이름 그는 그렇게 아프랑 아이를 먹었다면 하나 없다면 다른 사람이 없었다.	
straining which showed the presence of	7	
following willhelp in confirming the diag	nosis?	
a) Bacitracin sensitivity		
b) Catalase test		
c) Bile solubility	25	C
d) Coagulase test		11200 Sharkery Charletter
21. Conjugate vaccines are available for the	prevention of invasive disease caused by	y all of the following
except		
a) H influenzae		
b) Strep pneumonia		
c) N. meningtidis (group C)		d
d) N. meningtidis (group D)		

		turneller 3 days ha	ck has
22.	A patient has a history of sexual interco	urse with a commercialsex worker 3 days ba	d for culture of
	eveloped genital discharge resembling 'flow of seed'. What medium should be used for culture of		
	the discharge material?		No.
	a) Mannitol salt agar	b) Thayer-Martin media	b
	c) Potassium tellurite agar	d) TCBS	
	True about Corynebacterium diphtheria	:	
	a) All types produce toxin	0 / 10 <b>6</b> 0000	
	b) Toxin production is dependent upon	critical concentration of Iron	
	c) Coded by plasmid		6
	d) Inhibit cAMP		72
	Medusa head colony is seen in:	The state of the s	
	a) Bordetella pertussis	b) Bacillus anthracis	6
	c) Bartonella henselae	d) Bacteroides species	
25. E	Botulism is most commonly due to:		
	a) Egg	b) Milk	d
	c) Meat	d) Canned vegetables	Acces to
26. \	With reference to Bacteroides fragilis th	e following statements are true, except:	
	a) B. fragilis is the most frequent anerob		d
	b) B. fragilis is not uniformly sensitive to metronidazole		
	c) The lipopolysaccharide formed by B. t	fragilis is structurally and functionally differen	nt from the
	onventional endotoxins		
	d) Shock and disseminated intravascular	coagulation are common in Bacteroides bac	teremia
27. 4	Agent used in interferon gamma release	assay for diagnosis latent tuberculosis is:	
	a) MPT 64	b) Mycolic acid	4
	c) Lipoarabinpomannan	d) ESAT-6	
28. F	alse about lepromin test		
	a) Negative in children < 6 months age		
	b) It is a diagnostic test		
-	c) Used to classify leprosy		Ь
	u acc may convert a negative l	epromin test to positive.	
	2 ald man presented with hemor	rhagic colitis. The stool sample grew eschen	ichia coli in pure
c	ulture. The following serotype of E. coli	is likely to be causative agent.	
	a) O157:H7	p) 0159.H9	a
	c) O107:H7	d) O55:H7	vomiting and
30. F	armer presents with the features of hig	h fever, painful inguinal lymphadenopathy,	Volliting sine
c	liarrhea and hypotension. Which stain v	vill help in the diagnosist	1
	a) Neisser stain	b) Wayson's stain	Ь
	c) Albert's stain	d) McFadyean's stain	
31. (	Cholera patient having stool output 1000	0-1500 ml/day is known as:	
	a) Cholera mitis	b) Cholera dullidatti	a
	c) Cholera magna	d) Cholera gravis	

32. Which of the following is the	drug of choice of chemoprophylasis of cholera?	
a) Tetracycline	b) Doxycycline	
c) Furazolidone	d) Contrimoxazole	a
33. Burkholderia is infrequently	seen in:	
a) Pools	b) Plants	
c) Soil	d) Air	Ь
34. Malta fever is caused by:		
a) Treponema pallidum	b) Brucella melitensis	
c) Borreliaburgdorferi	d) Pseudomonas aeruginosa	b
35. Culture media of Leptospira:		
a) Korthoff	b) Perkin	
c) Tinsdale	d) Baker's	
36. Which is Eaton agent?		
a) Mycoplasma		
b) H. Influenza		
c) Klebsiella		
d) Chlamydia pneumonia		9
37. Actinomyces israelii has follo	wing feature:	
a) Exogenous infection		
b) Branching filaments		6
c) Aerobic		
d) Black granules		
38. Sensitivity of urinary Antigen	test of Legionella is:	
a) 80%	b) 70%	
c) 95%	d) 99%	6
39. Suckling mice is used for isola	ation of	
a) Coxsackie virus	b) Herpes	
c) Pox	d) Adenovirus	- P
40. Which of the following viral d	lisease is associated with reactivation?	
a) Pleurodynia		
b) Shingles		
c) Infectious mononucleosis		16
d) Viral Arthritis		
41. Which of the following is true	regarding HPV vaccine strains?	
a) Monovalent Vaccine 6, 11,	16, 18, 31, 52, 56, 58 strains	
b) Monovalent Vaccine 6, 11,	16, 18, 31, 33, 45, 52, 58 strains	
c) 3 doses to girls if initiated	prior to 15 years of age	
	nonths gap) between 9-14 years.	
42. According to WHO's measles	elimination strategy, vaccination campaigns are done	e in which phase
a) Mop up	b) Follow up	d
c) Keep up	d) Catch up	
43. A female became pregnant aft	ter 1 month of taking MMR vaccine: though was adv	ised to avoid
pregnancy. What advice the d	octor would give to the patient?	

a	Termination of pregnancy is mandatory	<b>/</b>	
b	High risk of anomalies, serious conside	ration for termination	
	Low risk, no action needed		a
	) Wait and watch		
	ost virulent dengue fever strain is:		
a)		b) 2	6
- 1	2	d) 4	
45. Fo	r the prevention of human rabies, imme	ediate flushing and washing the wound	d in animai bite cases,
wi	th plenty of soap and water, under run	ning tap should be carried out for how	much time:
	2 minutes	b) 1 minute	C
	15 minutes	d) 5 minutes	
46. Ep	idemiological marker in HBV infection:	various a	
a)	HBsAg	b) HBeAg	a
	Anti HBe	d) Anti HBs	
47. He	patitis C has the following characteristi	cs feature in biopsy:	
a)	Ground glass appearance		
b)	Bridging necrosis		d
c)	Interface necrosis		
d)	Lymphoid aggregates		
48. Re	sistance to HIV infection occurs due to	mutation of	
a)	CCR 5	b) CXCR4	a
c)	gp41	d) gp120	
49. W	gp41 hich of the following is used to prevent	HIV transmission from an HIV positive	pregnant mother to
	ild		
a)	Lamivudine		
b)	Stavudine		
c)	Nevirapine		C
d)	Didanosine		
50. Eb	oola-type that isnofatalin human beings	is:	
a)	Zaire		
b)	Reston		
c)	Cote d'Ivoire		
d)	Bundibugyo		
	olor of granules produced by actinomyc	etes is:	
a)	Black		1
b)	Yellow		d
c)	Blue		
d)	White		
	OC of Pneumocystis jirovecii		
a)	Cotrimoxazole		
b)	Pencillin	140	
c)	Amphotericin B		
d)	Clotrimazole		

53. W	hich worm is longest?	
a)	T. solium	
b)	T. saginata	
c)	Hookworm	6
d)	A. lumbrioides	
	hich is not causing neurodegeneration?	
a)	Balamuthia	
b)	Iodamoeba	
c)	Naegleria	6
d)	Entamoeba	
		da O
	rl visits her friend's village, develops nasal discharge, meningitis and dies in 5 o sponsible is:	days. Organism
620		
a)	Naegleriafowleri	
p)	Acanthamoeba	a
c)	Toxoplasma	
d)	P. falciparum	
	duviid bug is a vector for the transmission of:	
a)	Relapsing fever	
b)	Lyme's disease	
c)	Scrub typhus	d
d)	Chagas disease	
57. Es	pundia is a condition seen in:	
a)	Endemic syphilis	
b)	Malaria	
c)	Lympho Granuloma Venereum	a
d)	Mucocutaneous Leishmaniasis	
	patient with malaria, if patient has periodicity of 72 hours, which one of the following	s is likely to be
20.40	usative agent?	
a)	P. falciparum	
p)	P. vivax	d
c)	P. ovale P. malariae	
d)	st disaster, which of the following does not spread as epidemic?	
a)	Leptospirosis	
b)	Food Poisoning	C
c)	Leishmaniasis	
e)	Rickettsia	
	ich of the following is not true regarding surveillance of water pollution?	
a)	Multiple tube method is used to calculate the number of bacteria	
b)	E. colli can be tested by indole test at 44°C	
c)	Sodium thiosulfate is used to neutralize chlorine	ar .
f)	Presence of corynebacterium indicates recent contamination.	