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Maximum: 100 marks

Time: 1 hour and 15 minutes

1.	Specimen	s containing blood can be fixed by :		
	(A)	Formalin	(B)	Methanol
	(C)	Isopropanol	(D)	Carnoy's fluid
2.	Heparin p	prevents coagulation by :		
	(A)	Chelating action	(B)	Anti thrombin action
	(C)	Activation of plasmin	(D)	Preventing aggregation of platelets
3.	The amin	o acids from which creatinine is formed	:	
	(A)	Arginine, Glycine, Methionine	(B)	Glycine, Glutamic acid, Valine
	(C)	Methionine, Arginine, Glutamic acid	(D)	Arginine, Glutamic acid, Lysine
4.	Which am	ong the following diseases is not trans	mitte	through blood transfusion?
	(A)	HIV	(B)	Hepatitis B
	(C)	Filariasis	(D)	Hepatitis C
5.	Which am	ong these radiations is not a cold meth	od of	sterilization?
	(A)	Gamma rays	(B)	X-rays
	(C)	Cosmic rays	(D)	Infrared radiation
6.	Urobilino	gen is absent in urine in which type of	aund	ice?
	(A)	Haemolytic	(B)	Obstructive
	(C)	Hepatic	(D)	Both (A) and (C)
7.	The pH of	Sabouraud's Dextrose Agar medium is	:	
	(A)	5.8-6.0	(B)	4.2-5.2
	(C)	5.4-5.6	(D)	6.0-6.4
8.	Which an	ong these is known as bad cholesterol?		
	(A)	HDL	(B)	LDL
	(C)	IDL	(D)	VLDL
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9.	Pick up the statement that is not true with respect to Haemophilus influenzae :					
	(A)	Growth on chocolate agar medium	(B)	Pleomorphism		
	(C)	Satellitism	(D)	Resistance to refrigeration		
10.	Choose th	e method used for the estimation of	blood ur	ag ·		
10.	(A)	Liebermann-Burchard reaction	(B)	Jaffee reaction		
		Berthelot reaction	(D)	Van den Bergh reaction		
	(C)	Berthelot reaction	(D)	van den bergn reaction		
11.	Ketone bo	odies in urine is detected by which te	st?			
	(A)	Benzedine test	(B)	Ehrlich's test		
	(C)	Fouchet's test	(D)	Rothera's test		
12.	Trench fe	ver is caused by :				
	(A)	Bartonella quintana	(B)	Coxiella burnetii		
	(C)	Orientia tsutsugamushi	(D)	Rickettsia prowazekii		
13.	The intes	tinal helminth belonging to the supe		oxyuroidea is :		
	(A)	Anchylostoma duodenale	(B)	Taenia solium		
	(C)	Enterobius vermicularis	(D)	Ascaris lumbricoides		
14.	Renal thr	eshold of glucose is:				
	(A)	180 mg/dl	(B)	200 mg/dl		
	(C)	170 mg/dl	(D)	160 mg/dl		
15.	Thromboo	eytes are formed from :				
	(A)	Myeloblast	(B)	Myelocyte		
	(C)	Megakaryocyte	(D)	Megaloblast		
10	White was	1 6 11		1.0		
16.		nong the following agents is not used				
	(A)	EDTA	(B)	Chloroform		
	(C)	Nitric acid	(D)	Hydrochloric acid		
17.	The advan	ntages of RPR test over VDRL test in	clude th	e following statements except :		
	(A)	Serum or plasma can be used	(B)	Results read with naked eyes		
	(C)	Antigen is ready to use	(D)	Requires inactivation of serum		
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18.	Reticulin f	ibres are demonstrated by:		
	(A)	PAS staining	(B)	Trichrome staining
	(C)	Gomori's staining	(D)	Mallory's PTAH staining
19.	The earlie	st reliable indicator of myocardial	infarction	is:
	(A)	LDH	(B)	CKMB
	(C)	SGOT	(D)	SGPT
20.	Auer rods	may be found in :		
	(A)	ALL	(B)	AML
	(C)	CML	(D)	CLL
21.	In Sickle		ound in th	e sixth position of the beta chain of
	(A)	Glutamate is replaced by valine	(B)	Glutamate is replaced by lysine
	(C)	Valine is replaced by glutamate	(D)	Lysine is replaced by glutamate
22.	Cryopreci	pitate is infused to patient's havin	g:	
	(A)	Anaemia	(B)	Leukaemia
	(C)	Sickle cell disease	(D)	Haemophilia
23.	The conce	entration technique not used for sp	outum in p	ulmonary tuberculosis:
	(A)	Hank's flocculation method	(B)	Jungman's method
	(C)	Ehrlich's method	(D)	Petroff's method
24.	PAS stair	ning is used for the demonstration	of:	
	(A)	Collagen	(B)	Neutral mucin
	(C)	Melanin	(D)	Fibrin
25.	The light	chains in immunoglobulin's are:		
	(A)	Kappa	(B)	Lambda
	(C)	Both (A) and (B)	(D)	Alpha
26.	The ratio	of sodium citrate to blood used fo	r coagulati	on studies is :
	(A)	1:9	(B)	1:4
	(C)	1:6	(D)	1:10
A			5	[P.T.O.]

27.	In quality	control precision indicates what?			
	(A)	True value	100		
	(B)	Same value for repeated analysis			
	(C)	Measurement of a particular substa	ance		
	(D)	Measurement of minute quantity			
28.	Microcytic	c hypochromic red blood cells are seen	n in whi	ch type of anaemia?	
	(A)	Iron deficiency anaemia	(B)	Aplastic anaemia	
	(C)	Haemolytic anaemia	(D)	Megaloblastic anaemia	
29.	The exam	ination of Duodenal contents is usefu	al to dete	eet:	
	(A)	Larvae of Strongyloides stercoralis	(B)	Eggs of Fasciola species	
	(C)	Giardia intestinalis	(D)	All of these	
30.	Which am	ong these is a non-reducing sugar?			
	(A)	Fructose	(B)	Lactose	
	(C)	Sucrose	(D)	Maltose	
31.	Reticulocy	rtes are increased in peripheral blood	lin:		
	(A)	After acute blood loss	(B)	Aplastic anaemia	
	(C)	Haemolytic anaemia	(D)	Both (A) and (C)	
32.	The refere	ence method for glucose estimation is	1:		
	(A)	Hexo kinase method	(B)	Glucose oxidase method	
	(C)	Ortho toluidine method	(D)	Nelson-Somogyi method	
33.	In hypoth	yroidism :			
	(A)	T ₃ , T ₄ and TSH increases	(B)	T ₈ and T ₄ decrease, TSH increases	
	(C)	T ₃ , T ₄ and TSH decreases	(D)	T ₃ and T ₄ increase, TSH decreases	
34.	Which ena	zyme activity is highly elevated in act	ute hepa	tic disease?	
	(A)	Alanine transaminase	(B)	Aspartate transaminase	
	(C)	Amylase	(D)	Creatine kinase	
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35.	The disadv	antage of using frozen section	s is:		
	(A)	Serial sections are not obtain	ed		
	(B)	Sections prepared within a fe	w minutes		STATE OF THE STATE
	(C)	Many histochemical methods	use freezing	m	icrotomy
	(D)	Intra operative surgical const	ultation		
36.	Which of t	he following reagent is used to	detect acet	yl r	nethyl carbinol?
	(A)	Kovac's reagent	(B)	Ehrlich's reagent
	(C)	Barritt's reagent	(D)	None of these
37.	Barr body	is absent in:			
	(A)	Edward's syndrome	(B	()	Super female
4	(C)	Turner's syndrome	(1))	None of these
38.	In histopa	athological processing of tissue	s the sequer	nce	of processing is:
	(A)	Fixation, dehydration, cleari	ng, infiltrati	on	
	(B)	Fixation, clearing, dehydrati	on, infiltrati	on	
	(C)	Fixation, infiltration, clearing	g, dehydrati	ion	
	(D)	Fixation, infiltration, dehydr	ration, clear	ing	
39.	The norm	nal level of CSF chloride is :			
	(A)	600-660 mg/dl	(1	3)	460-540 mg/dl
	(C)	700-760 mg/dl	(1	D)	550-610 mg/dl
40.	Coomb's	reagent is:			
	(A)	Anti human globulin	(B)	Anti H serum
	· (C)	Anti A serum	0	D)	Anti B serum
41.	The end	product of purine metabolism	is:		
	(A)	The state of the s		B)	Uric acid
	(C)	Bilirubin	(D)	Creatinine
42.	Rees-Ecl	cer solution is used for countin	ng:		
	(A)	WBC's	(B)	Eosinophil's
	(C)	Spermatozoa		D)	Platelets
A			7		

43.	The viral	disease that is not sexually	transmitted is:		
	(A)	Rubella	(B)	HIV infection	
	(C)	Hepatitis B	(D)	Molluscum contagiosum	
44.	Which an	nong the following is an intra	cellular buffer?		
	(A)	Carbonate buffer	(B)	Phosphate buffer	
	(C)	Citrate buffer	(D)	Acetate buffer	
45.	Acid wash	ned glass wares are used for	the estimation o	r:	
	(A)	Minerals	(B)	Vitamins	
	(C)	Hormones	(D)	Enzymes	
46.	The viral	disease transmitted by the v	ector Aedes aegy	rpti is:	
	(A)	Japanese encephalitis	(B)	Yellow fever	
	(C)	Dengue fever	(D)	Both (B) and (C)	
47.	Among th	e following which solution ha	as the highest os	motic pressure?	
	(A)	1M solution of NaCl	(B)	1M solution of CaCl ₂	
	(C)	1M solution of glucose	(D)	1M solution of KCl	
48.	Which am	ong the following coagulation	n factors is not V	itamin K dependent?	
	(A)	Factor V	(B)	Factor II	
	(C)	Factor VII	(D)	Factor IX	
49.	The stains	ing technique used for hormo	nal cytology is:		
	(A)	MGG	(B)	H and E staining	
	(C)	Shorr's staining	(D)	Giemsa staining	
50.	A plane-w	edge type of knife is used for	cutting:		
	(A)	Frozen sections	(B)	Ordinary paraffin sections	
	(C)	Serial sections	(D)	All of these	
51.	Hypo segn	nentation of neutrophils are	associated with :		
	(A)	Megaloblastic anaemia	(B)	May-Heggler anomaly	
	(C)	Pelger-Huet anomaly	(D)	Thalassaemia	
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52.	Rombay bl	lood group contains which antibody?		
02.	(A)	Anti A	(B)	Anti B
	(C)	Anti H	(D)	All of these
	(0)		200	
53.	The infect	ive stage of hookworm is:		
	(A)	Embryonated egg	(B)	Filariform larva
	(C)	Rhabditiform larva	(D)	Microfilaria
54.	What is th	ne colour code of the hub of a 23G needl	le?	
	(A)	Pink	(B)	Violet
	(C)	Black	(D)	Blue
	Canyonalo	n of glycogen to glucose is called :		
55.	(A)	Glycolysis	(B)	Glycogenolysis
	(C)	Gluconeogenesis	(D)	Glycogenesis
56.	Which am	nong the following is the gold standard		
	(A)	Inulin clearance	(B)	Urea clearance
	(C)	Creatinine clearance	(D)	Hippuric acid clearance
57.		mmended concentration of chlorine of blood/body fluids is:	releas	sing compounds used for disinfecting
	(A)	1000 ppm	(B)	10000 ppm
	(C)	100 ppm	(D)	100000 ppm
	Wileink and	nong the following is not a transport m	edium	2
58.		Pike's medium	(B)	Buffered glycerol saline
	(A) (C)	Stuart's medium	(D)	Todd-Hewitt medium
59.	The past	glucose content in blood can be estimate		
	(A)	Methylated haemoglobin	(B)	
	(C)	Glycosylated haemoglobin	(D)	None of these
60.	For which	h among the following investigations co	an wh	ole blood be used?
	(A)	Glycosylated haemoglobin	(B)	
	(C)	Glucose 6 phosphate dehydrogenase	(D)	All of these
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61.	Convert 9	00 mg% glucose to millimoles/L :			
	(A)	2.5 millimoles/L	(B)	4.0 millimoles/L	
	(C)	6.0 millimoles/L	(D)	5.0 millimoles/L	
62.	The highl	y infectious virus is :			
	(A)	HIV	(B)	Hepatitis B	
	(C)	Hepatitis C	(D)	Hepatitis A	
63.	Autoinfec	tion occurs in :			
	(A)	Enterobius vermicularis	(B)	Strongyloides stercoralis	
	(C)	Hymenolepis nana	(D)	All of these	
64.	Which an	nong the following is a true yeas	1?		
	(A)	Blastomyces dermatitidis	(B)	Candida albicans	
	(C)	Cryptococcus neoformans	(D)	Coccidioides immitis	
65.	The defec	t of RBC's in Paroxysmal Noctu	rnal Haemati	uria is their susceptibility to:	
	(A)	Complement mediated lysis	(B)	Membrane abnormality	
	(C)	Hb abnormality	(D)	Enzyme deficiency	
66.	p24 antig	en can be detected in the serum	of a HIV pati	ent during :	
	(A)	Early stage of infection before	the appearan	ce of antibody	
	(B)	Severe symptomatic disease			
	(C)	None of these			
	(D)	Both (A) and (B)			
67.	A medium	n for which the exact composition	n is known as		
	(A)	Synthetic medium	(B)	Semi-defined medium	
	(C)	Both (A) and (B)	(D)	None of these	
68.	For osmot	ic fragility test red blood cells a	re placed in :		
	(A)	Hypertonic saline solution	(B)	Buffered saline solution	
	(C)	Hypotonic saline solution	(D)	Normal saline solution	
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69.	All of thes	e are zoonotic diseases except :		
	(A)	Pertussis	(B)	Brucellosis
	(C)	Plague	(D)	Tularemia
70.	The resolv	ring power of a microscope is dire	ctly proport	ional to:
	(A)	Refractive index of the medium	(B)	Numerical aperture
	(C)	Both (A) and (B)	(D)	Wavelength of light
71.	Basophilic	e stippling of RBC's is common in	:	
	(A)	Lead poisoning	(B)	Iron deficiency
	(C)	Vitamin B ₁₂ deficiency	(D)	Both (A) and (C)
72.	Alkaline j	phosphatase activity is elevated i	n :	
	(A)	Bone disease	(B)	Obstructive jaundice
	(C)	Both (A) and (B)	(D)	None of these
73.	Which en	zyme action is inhibited by iodo a	cetate in gly	ycolytic path way?
	(A)	Enolase		
	(B)	Hexokinase		
	(C)	Phospho fructokinase		
	(D)	Glyceraldehyde 3-phosphate de	hydrogenas	e
74.	Heinz bo	dies are not associated with:		
	(A)	G ₆ PD deficiency	(B)	Exposure to oxidative drugs
	(C)	Megaloblastic anaemia	(D)	Unstable Hb
75.	H ₂ S prod	uction by bacteria can be detecte	d by using:	
	(A)	Lysine iron agar	(B)	Triple sugar iron agar
	(C)	Kligler's iron agar	(D)	All of these
76.	Fiske-Su	bburow method is used for the es	timation of	
	(A)	Uric acid in serum	(B)	Inorganic phosphorous in serum
	(C)	Calcium in serum	(D)	
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	(C)	Golf	(D)	Tennis
	(A)	Soccer Soccer	(B)	Basketball
85.	Tiger woo	ds is a good player of the game :		
	(C)	Nelson Mandela	(D)	Abraham Lincoln
	(A)	Barack Obama	(B)	Martin Luther King Jr.
84.	Name the	author of Long Walk to Freedon	n' :	
	(C)	Temple entry proclamation	(D)	Guruvayur Satyagraham
	(A)	Vaikkom Satyagraham	(B)	'Nivarthana' (Abstention Agitation)
83.	connection		nder the lea	dership of Mannath Padmanabhan in
89	The fema			
	(C)	Bhupindra Nath Datta	(D)	Ras Behari Ghosh
	(A)	Bal Gangadhar Tilak	(B)	Bipin Chandra Pal
82.	The Presi	dent of the Indian National Cong	gress at the	Surat session in 1907 was
	(C)	Jhumpa Lahiri	(D)	Jim Grace
9,007	(A)	Harper Collins	(B)	Alice Munro
81.	Name the	winner of Nobel Literature prize	e 2013 :	
	(C)	6%	(D)	7.5%
	(A)	3%	(B)	4.5%
80.	What is t	he percentage concentration of 1.	5N NaOH?	
	(C)	Hippurate hydrolysis	(D)	Pigment production in Columbia again
	(A)	Aesculin hydrolysis	(B)	CAMP test
79.	Which an	nong these tests is not used to ide	entify Strept	ococcus agalactiae?
	(C)	Pour plate method	(D)	Dip spoon method
	(A)	Standard loop method	(B)	Dip slide method
78.	The meth	od used for the quantitative cult	ure of urine	is:
	(C)	3.0-5.8 meq/L	(D)	135-145 meq/L
	(A)	4.2-5.8 meq/L	(B)	3.5-5.4 meq/L
77.	The norm	al level of serum potassium is:		

86.		n people play people's role in the Communist Party of India	ne people's w	ar	was the singan or .			
34	(A) (B)	Forward block						
	(C)	Hindustan Socialist Republican Association						
	(D)	Ghadar party						
87.	The first n	nan-made object to venture in	to interstella	ır s				
	(A)	Prospero	(B)	Explorer			
	(C)	Mariner-4	(D)	Voyager-1			
88.	The song		during the S	we	deshi Movement against the partition			
	(A)	Rajnikanth Sen	(B)	Rabindranath Tagore			
	(C)	Dwijendralal Ray	(D)	Syed Abu Mohammad			
		D : 1 V	adad in a					
89.		na Paripalana Yogam was four	(B		1909			
	(A)	1907	(E)		1913			
	(C)	1911	14	"	1313			
90.	The perso	n who launched a book titled	1283:					
	(A)	Rafael Nadal	(P	3)	Pele			
	(C)	Sachin Tendulkar	(I)))	Gabriel Garci-a Marquez			
91.		Carlsen, the World No. 1 Che on November 2013, belongs :	ess Champic	on	who unseated Viswanathan Anand in			
	(A)	Denmark	(F	3)	Sweden			
	(C)	Bulgaria	(I)))	Norway			
92.	Name the	President of Syria on Novem	ber 2013 :					
32.	(A)	Hazem Al-Beblawi	(H	3)	Mamnoor Hussain			
	(C)	Bashar Al-Assad))	Hassan Rouhani			
93.	Name the		ged as the	sin	gle largest party in the recently held			
	(A)	Nepali Congress	(1	B)	Communist party of Nepal (UML)			
	(C)	UCPN (Maoist)		D)	RPP (Nepal) 61/2014			
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94.	Where do	es Puralimala locate?		
	(A)	Idikki	(B)	Kanyakumari
	(C)	Munnar	(D)	Thalassery
95.	'Magna C	arta' of English Education in India :		
- 10	(A)	Macaulay's Minute		
	(B)	Wood's Despatch		
	(C)	Founding of Fort William College at	Calcu	tta
	(D)	Hunter Commission		
96.	Name the	winner of the European Union Human	n Righ	nts Price :
	(A)	Jhumpa Lahiri	(B)	Mikhail Khodorkovsky
	(C)	Malala Yousafzai	(D)	Lars Peter Hansen
97.	The Sumi	mit meeting of the G-20 nations was he	ld on	September 5, 6, 2013 at :
	(A)	St. Petersburg	(B)	
	(C)	Tokyo	(D)	Shanghai
98.	Ilbert Bill	controversy during Lord Lytton's time	wası	related to the concent of
	(A)	Fundamental rights		sale and the concept of .
	(B)	Participation in the Legislative Counc	cil	
	(C)	Freedom and equality		
	(D)	Judicial equality		
99.	Name the	Home Minister of India :		
	(A)	Salman Khurshid	(B)	Sushilkumar Shinde
	(C)	P. Chidambaram	(D)	Sarath Pawar
100.	The media	tor of the historia association at the 1-11		
	(A)	tor of the historic agrarian strike led b		
	(C)	Changanassery Parameswaran Pillai Kandala Nayan Pilla		
		Amada Najan i ma	(D)	Kunnath Sasankanpilla

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