PSC Laboratory Assistant Dairy /cfp - Kcmmf Ltd Examination Previous Year Question Paper

Exam Name: Laboratory Assistant Dairy /cfp - Kemmf Ltd

Date of Test: 11.02.2016

Question Paper Code: 026/2016

Medium of Questions: English



026/2016

Maximum	100	mar	ks
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Time: 1 hour and 15 minutes

(A) (C)	$0.1 \mathrm{M}$ $0.5 \mathrm{M}$ action $\mathrm{N_2O_{4(g)}} \Longrightarrow 2 \mathrm{NO_{2(g)}}$, an increase Terminate the reaction Does not change the equilibrium ive property depends on :	(B) (D) ase in p (B) (D)	1 M 10 M bressure: Shifts the equilibrium to the left Shifts the equilibrium to the right
In the rea (A) (C) A colligat	action $N_2O_{4(g)} \rightleftharpoons 2 \ NO_{2(g)}$, an increase Terminate the reaction Does not change the equilibrium	ase in p	oressure: Shifts the equilibrium to the left
(A) (C) A colligat	Terminate the reaction Does not change the equilibrium	(B)	Shifts the equilibrium to the left
(C)	Does not change the equilibrium		
A colligat		(D)	Shifts the equilibrium to the right
	ive property depends on :		
(A)			
	The number of solvent particles in v	which th	ne solute dissolves
(B)	Mass of solute dissolved in the solve	ent	
(C)	Mass of solvent taken		
(D)	The number of solute particles disso	olved in	a given volume of the solvent
On diluti	on, specific conductance of an electroly	yte:	
(A)	Increases	(B)	Decreases
(C)	Does not change	(D)	Increases and then decreases
pH of a se	olution whose hydroxide ion concentra	ition is	0.001 mole/litre will be :
(A)	3	(B)	11
(C)	12	(D)	2
The conju	igate acid-base pairs in the following	reaction	n, $HCl + NH_3 \longrightarrow NH_4^+ + Cl^-$, are:
(A)	HCl and Cl	(B)	The second of th
(C)	HCl and NH ₃	(D)	NH ₄ and Cl ⁻
The num	ber of fundamental vibrations of meth	ane are	a :
(A)	3	(B)	4
(C)	9	(D)	8
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8.	The symn	netric vibrations of CO2 are:		
	(A)	Raman active	(B)	IR active
	(C)	Both Raman and IR active	(D)	Both Raman and IR inactive
9.	An adsort	pent used in column chromatogra	aphy is :	
	(A)	Sodium hydroxide	(B)	Silicon dioxide
	(C)	Calcium hydroxide	(D)	Aluminum chloride
10.	Which of	the following is an extensive pro	perty?	
	(A)	Pressure	(B)	Temperature
	(C)	Concentration	(D)	Heat
11.	pH of mil	k ranges from :		
	(A)	6-7	(B)	5-6
	(C)	7-8	(D)	3-4
12.	The yello	w colour of milk is mainly due to		
	(A)	Casein	(B)	Carotene
	(C)	Riboflavin	(D)	Phospholipids
13.	The prese	ence of starch in milk can be dete	ected using:	
	(A)	Bromine water	(B)	Calcium chloride solution
	(C)	Iodine solution	(D)	Hydrochloric acid
14.	An examp	ole for a synthetic food colour add	ditive:	
	(A)	Saffron	(B)	Curcumin
	(C)	Caramel	(D)	Tartrazine
15.	The titral	ole acidity of milk can be express	sed in terms	of:
	(A)	Citric acid	(B)	Malic acid
	(C)	Lactic acid	(D)	Tartaric acid
16.	An examp	ele of a class II preservative is :		
	(A)	Honey	(B)	Acetic acid
	(C)	Glucose	(D)	Benzoic acid
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17.	The prese	nce of tin in the food sample can	be detected	using:	
	(A) Spectrophotometric Catechol violet method				
	(B)	Colorimetric Carbamate metho	d		
	(C)	Colorimetric molybdenum blue	method		
	(D)	Colorimetric Silver diethyl dith	iocarbamate	method	
18.	An examp	le for an artificial sweetener :			
	(A)	Sucrose	(B)	Polyphenols	
	(C)	Cyclamate	(D)	Fructose	
19.	Fat perce	nt of toned milk in Kerala :			
	. (A)	3.5	(B)	4	
	(C)	4.5	(D)	3	
20.	The test f	or checking the efficiency of past	eurization of	f milk :	
	(A)	Alkaline phosphatase test	(B)	Gerbers test	
	(C)	CLR test	(D)	Mohrs method	
21.	The swee	test sugar among the following is	9:		
	(A)	Glucose	(B)	Mannose	
	(C)	Galactose	(D)	Fructose	
22.	First enzy	yme to be isolated in pure crysta	lline form wa	as:	
	4.1	Zymase	(B)	Invertase	
	(C)	Urease	(D)	Lactase	
23.	Hexokina	se enzyme belongs to the class:			
	(A)	Oxido-reductase	(B)	Transferase	
	(C)	Ligase	(D)	Hydrolase	
24.	Which of	the following is NOT a homopoly	ysaccharide?		
	(A)	Pectin	(B)	Chitin	
	(C)	Inulin	(D)	Cellulose	
25.	Caesin of	milk is a :			
	(A)	Glycoprotein	(B)	Phosphoprotein	
	(C)	Metalloporotein	(D)	Lipoprotein	
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26.	Which of	the following amino acid does not sho	ow optic	al activity?
	(A)	Proline	(B)	Histidine
	(C)	Valine	(D)	Glycine
27.	Palmitie	acid is:		
	(A)	Monoenoic fatty acid	(B)	Polyenoic fatty acid
	(C)	Unsaturated fatty acid	(D)	Saturated fatty acid
28.	Proteins	absorbs UV radiation maximum at 28	30 nm di	ue to the presence of:
	(A)	Tryptophan	(B)	Tyrosine
	(C)	Phenyl alanine	(D)	All of the above
29.	Two prote them will		same is	soelectric point. The best way to resolve
4	(A)	Ion Exchange Chromatography	(B)	Gel Filtration Chromatography
	(C)	Reverse Phase Chromatography	(D)	Chromatofocussing
30.	Dietary fa	at:		
	(A)	is usually present, although there i	s no spe	cific need for it
	(B)	if present in excess, can be st triacylglycerol	tored as	s either glycogen or adipose tissue
	(C)	should include linoleic and linolenic	e acids	
	(D)	should increase on an endurance tr energy stores	raining p	program in order to increase the body's
31.	The effect	ts of vitamin A may include all of the	followin	g EXCEPT:
	(A)	Prevention of anemia	(B)	Serving as an antioxidant
	(C)	Cell differentiation	(D)	The visual cycle
32.	All the fol	llowing compounds are Intermediate	of the ci	tric acid cycle except :
	(A)	Isocitrate	(B)	Malate
	(C)	Pyruvate	(D)	Succinate
33.	Which of	the following would probably not be a	ffected	when a protein is denatured?
	(A)	Primary structure	(B)	Secondary structure
	(C)	Hydrogen bonds	(D)	Tertiary structure
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34.	The gener	al name for an enzyme that transfer	s phosph	nate groups from ATP to a P	rotein is:
	(A)	Protein kinase	(B)	Phosphorylase	
	(C)	Phosphatase	(D)	ATPase	
35.	A techniq	ue commonly used for the assay of he	ormones	is:	
	(A)	Gel filtration	(B)	GLC	
	(C)	Radioimmunoassay	(D)	HPLC	
36.	Iodine nu	mber is an indication of:			
	(A)	Chain length	(B)	Degree of unsaturation	
	(C)	Rancidity	(D)	Specific gravity	
37.	Ninhydrii	n reacts with proline to give :			
	(A)	Purple colour	(B)	Green colour	
	(C)	Yellow colour	(D)	Red colour	
38.	Conversion	on of two phosphoglycerate to phosph	noenol py	ruvate by the enzyme enola	se is:
	(A)	Decarboxylation	(B)	Dehyration	
	(C)	Phosphorelation	(D)	Dehydrogenation	
39.	Which is	the active form of an enzyme?			
	(A)	Holoenzyme	(B)	Apoenzyme	4
	(C)	Co-enzyme	(D)	Zymogen	
40.	The follow	wing are the examples for C18 fatty a	cids EXC	CEPT:	
	(A)	Oleic acid	(B)	Palmmitic acid	
	(C)	Stearic acid	(D)	Linoleic acid	
41.	The biolo	gical indicator used for testing the e	fficiency	of autoclave sterilization is	:
	(A)	Geobacillus stearothermophilus	(B)	Bacillus anthracis	
	(C)	Bacillus megatarium	(D)	Clostridium botulinum	
42.	Amphitr	ichous bacteria possess :			
	(A)	One flagellum at one end			
	(B)	Single flagellum at each pole			*
	(C)				
	(D)	Uniformly distributed flagella over	er the wh	ole cell surface	
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43.	Which of	the following is the largest animal virus	8?			
	(A)	Rabies virus	(B)	HIV		
	(C)	Pox virus	(D)	Herpes virus		
44.	The first studies o	direct demonstration of role of bacteria	a in c	ausing human diseases came from the		
	(A)	Robert Koch	(B)	Louis Pasteur		
	(C)	Joseph Lister	(D)	Edward Jenner		
45.	Which of the following microscopes can be used for observation of living cells?					
	(A)	Bright field Microscope				
	(B)	Dark field Microscope				
	(C)	Phase Contrast Microscope				
	(D)	All of the above				
46.		pe of culture media is supplemented fastidious microbes?	with	special nutrients for supporting the		
	(A)	Enrichment media	(B)	Enriched media		
	(C)	Selective media	(D)	Differential media		
47.	Which of the following is a classic model of cellular slime molds?					
	(A)	Dictyostelium	(B)	Myxogastria		
	(C)	Physarium	(D)	Hemitrichia		
48.	Which of	the following is an acidic dye used in sir	nnles	taining?		
		Methylene blue	(B)	Basic fuchsin		
	(C)	Crystal violet		Eosin		
49.	In negative spread wi	ve staining of tissue specimen for transr th a thin film of:	nissio	n electron microscopy, the specimen is		
	(A)	Mercuric chloride	(B)	Platinum		
	(C)	Phosphotungstic acid	(D)	Liquid epoxy plastic		
50.	Bacterial	cell membrane contain steroid like mole	cules	called:		
	(A)	Cholesterol	(B)	Hopanoids		
	(C)	Terpenoids	(D)	Glycerol		

	Malda	I magete which causes food enciled	e prefers .	
51.		l yeasts which causes food spoilag Alkaline pH	(B)	Neutral pH
	(A)	Acidic pH	(D)	None of the above
	(C)	Acidic pA	(2)	21010 01 410 10011
52.		the following selective medium is ter quality analysis?	s used for	isolation of coliforms in the confirmed
	(A)	Mac Conkey Agar	(B)	Potato Dextrose Agar
	(C)	Mannitol Salt Agar	(D)	Eosin Methylene Blue Agar
		Cond b	anna disana	os in humans is i
53.		common causative agent of food b		Clostridium botulinum
	(A)	Clostridium perfringens	(B)	
	(C)	Staphylococcus aureus	(D)	Campylobacter jejuni
	Miliah C.	ngi produces aflatoxins, known to	he nowerfu	l carcinogens?
54.			(B)	Claviceps purpura
	(A)	Aspergillus flavus	(D)	Penicillium notatum
	(C)	Rhizopus stolonifer	(15)	1 CiteConstant November
55.	Which of	the following is a mold ripened ch	eese?	
	(A)	Swiss cheese	(B)	Cottage cheese
	(C)	Mozzarella	(D)	Blue cheese
56.	A halophi	ile would be a microorganism that	prefers :	
	(A)	Increased amount of acid	(B)	Increased amount of oxygen
	(C)	Increased amount of salt	(D)	Increased amount of pressure
-7	The maio	r biological indicator of faecal poll	ution is :	
57.		Escherichia coli	(B)	Streptococcus faecalis
	(A) (C)	Thiobacillus ferroxidans		Clostridium perfringens
58.	The time		ST pasteuri	zation of 71°C for 15 sec is selected or
	(A)	Escherichia coli	(B)	Bacillus subtilis
	(C)	Clostridium botulinum	(D)	Coxiella burnetti
59.	Which o	f the following organism produ tion of low acid canned foods?	ces nisin,	a bacteriocin currently used for the
	(A)	Enterococcus faecalis	(B)	Lactococcus lactis
	(C)	Lactobacillus acidophilus	(D)	Streptococcus lactis
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60.	In which	of the following fungal division com	es the cor	mmon bread mold, Rhizopus stolonifer
	(A)	Ascomycota	(B)	Zygomycota
	(C)	Basidiomycota	(D)	Deuteromycota
61.	Use of liv	ing microorganisms to degrade env	ironment	al pollutants is called :
	(A)	Micro remediation		
	(B)	Nano remediation		
	(C)	Bio remediation		
	(D)	All of these		
62.	Introduct	ion of DNA in to cells exposing to h	igh voltag	ge electric pulse is called :
	(A)	Electrofusion	(B)	Electrofision
	(C)	Electrolysis	(D)	Electroporation
63.	The PCR	a technique was developed by :		
	(A)	Kary Mullis	(B)	Kobler
	(C)	Milstein	(D)	Altman
64.	Interferor	ns are:		
	(A)	Antibacterial Proteins	(B)	Antiviral Proteins
	(C)	Bacteriostatic Proteins	(D)	All of these
65.	The first	successfully cloned animal was:		
	(A)	Monkey	(B)	Gibbon
	(C)	Sheep	(D)	Rabbit
66.	In E coli,	which enzyme synthesizes the RNA	primer f	or okazaki fragments :
	(A)	DNA A	(B)	DNA C
#	(C)	DNA G	(D)	All of these
67.	Transcrip	tion is the transfer of genetic inform	nation fro	om:
	(A)	DNA to mRNA	(B)	tRNA to mRNA
	(C)	tRNA to DNA	(D)	none
68.	Chlorella	species are widely used in the remo	oval of:	
	(A)	Organic wastes	(B)	Hydrocarbons
	(C)	Heavy metals	(D)	All of these
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69.	Western l	plotting is the technique for the det	ection of:	
	(A)	Specific DNA in a sample	(B)	Specific RNA in a sample
	(C)	Specific protein in a sample	(D)	Specific glycolypid in a sample
70.	In which their net		od where j	proteins are separated on the basis of
	(A)	Affinity chromatography	(B)	Ion Exchange Chromatography
	(C)	Dialysis	(D)	Gel Filtration Chromatography
71.	Ti plasmi	d, that is used in plant vector is ob	tained from	m:
	(A)	Agrobacterium tumifaciens	(B)	Agrobacterium rhizhogenes
	(C)	Agrobacterium radiobactor	(D)	Thermus aquatics
72.	Which of	the following reagents are used for	precipitat	ting DNA?
	(A)	Isopropanol	(B)	Ethanol
	(C)	Both (A) and (B)	(D)	None of these
73.	Probiotics	s are:		
	(A)	Cancer inducing microbes	(B)	Safe antibiotics
	(C)	New kind of food allergens	(D)	Live microbial food supplement
74.	The first	vaccine produced from animal cell	culture wa	as:
	(A)	Hepatitis B vaccine	(B)	Influenza vaccine
	(C)	Small pox vaccine	(D)	Polio vaccine
75.	A group o	of genetically similar organisms ob	tained by a	a sexual reproduction is called :
	(A)	Clone	(B)	Population .
	(C)	Assembly	(D)	None
76.	RFLP is			
	(A)	Restriction Fragment Length Po	lymorphis	m
	(B)	Repeated Fragment Length Poly	morphism	
	(C)	Renewed Fragment Length Poly	morphism	
	(D)	Required Fragment Length Poly	morphism	
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11.	rioui reac	ing activity to maintain the			
	(A)	Occurs after the synthesis l			
	(B)	Is a function of the 3'-5' exo	nuclease activit	y of the DNA polymerases	
	(C)	Requires the presence of an	enzyme separa	te from the DNA polymerases	
	(D)	Occurs in prokaryotes but r	not eukaryotes		
78.	Transgen	ic Organisms are :			
	(A)	Produced by gene transfer t	technology		
	(B)	Extinctict Organisms			
	. (C)	Naturally occurring and en	demic		
	(D)	Produced by traditional pla	nt breeding tech	nnique	
79.	ECORI is	a:			
	(A)	DNA Ligase Enzyme			
	(B)	Restriction Endonuclease			
	(C)	A vector used for insulin sy	nthesis		
	(D)	A plasmid used as a vector			
80.	Monoclon	al antibodies are usually pro	duced from:		
	(A)	Myeloma cells	(B)	Hybridoma cells	
	(C)	Monocytes	(D)	Adipocytes	
81.	The India	n Constitution was amended	for the first tim	ne in :	
	(A)	1950	(B)	1951	
	(C)	1952	(D)	1953	
	The Cons		d, Fundamental	Duties, from which of these Countri	es'
	(A)	USA	(B)	Canada	
	(C)	USSR	(D)	UK	
83.	Who acte	d as the Chairman of the Dra	fting Committee	e of the Constituent Assembly?	
	(A)	B.C. Rajagopalachari	(B)	B.R. Ambedkar	
	(C)	Rajendra Prasad	(D)	Jawaharlal Nehru	
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84.	When did	Right to Information Act con	ne into force?	
	(A)	2005	(B)	2003
	(C)	2004	(D)	2006
85.	Who beca	me India's first woman judge	at the Kerala F	High Court in 1959?
	(A)	Arya Pallam	(B)	Akkama Cheriyan
	(C)	Anna Chandy	(D)	Lalitha Prabu
86.	Antharjar	na Samaajams were organise	d under the lead	lership of:
	(A)	Akkama Cheriyan	(B)	Lalitha Prabu
	(C)	Kuttimalu Amma	(D)	Arya Pallam
87.	Which is	the only Union Territory to h	ave a High Cou	rt of its own?
	(A)	Chandigarh	(B)	Lakshadweep
	(C)	Delhi	(D)	Daman and Diu
88.	Kerala Sa	ngeetha Nataka Academy is	located in:	
	(A)	Ernakulam	(B)	Kottayam
	(C)	Thrissur	(D)	Kozhikode
89.	The news	paper started by Herman G	undert:	
	(A)	Pashchimodayam	(B)	Rajyasamacharam
	(C)	Malayalarajyam	(D)	Keralapazhama
90.	The miss:	onary who established the fi	rst printing pres	ss at Kottayam in 1821:
	(A)	Joseph Fenn	(B)	Thomas Norton
	(C)	Henry Baker	(D)	Benjamin Bailey
91.	'Savarna	Jatha' to support Vaikom Sa	tyagraha was o	ganized by :
	(A)	K. Kelappan	(B)	Thycad Ayya
	(C)	Mannathu Padmanaban	(D)	G.P. Pillai
92.	'Vivekoda	yam' magazine was publishe	ed by :	
	(A)	Ramakrishna Pilla	(B)	V.T. Bhattathirippadu
	(C)	Ayyankali	(D)	Kumaranasan
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93. The agitation known as Nivarthana movement was started as a proconstitutional reforms of:				vas started as a protest against the
	(A)	1932	(B)	1919
	(C)	1909	(D)	1947
94.	Who was the founder of Prathyaksha Raksha Daiva Sabha?			
	(A)	Ayyankali	(B)	Poykayil Kumara Guru Devan
	(C)	Sahodaran Ayyappan	(D)	Vaghbadananda
95.	'Pattini Jatha' was led by:			
	(A)	A.K. Gopalan	(B)	Sree Narayana Guru
	(C)	V.T. Bhattathirippadu	(D)	Ayyankali
96.	Which novel of Thakazhi Sivasankara Pillai got Kendra Sahithya Academy Award in 1958?			
	(A)	Enippadikal	(B)	Anubhavangal Palichakal
	(C)	Chemmeen	(D)	Ouseppinte Makkal
97.	Who is kr	nown as 'Kerala Vyasa'?		
	(A)	Kunjikuttan Thampuran	(B)	Vallathol Narayana Menon
	(C)	Kumaranasan	(D)	G. Sankara Kurup
98.	Which country adopted its first democratically framed constitution on 20th September 2015?			
	(A)	Bangladesh	(B)	Myanmar
	(C)	Bhutan	(D)	Nepal
99.	International day of peace:			
	(A)	September 11	· (B)	September 21
	(C)	September 24	(D)	September 6
100.	Which state received the tourism award of 2013-14 for most innovative use of Information technology?			
	(A)	Gujarat	(B)	Madhya Pradesh
	(C)	Kerala	(D)	Assam
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