Hat को तब तक न खोलें जब तक कहा न जाए। Do not open this Question Booklet until you are asked to do so.

पुस्तिका में पुष्ठों की संख्या: 16 No. of Pages in Booklet: 16 पुस्तिका में प्रश्नों की संख्या: 150 No. of Questions in Booklet: 150

Question Booklet No प्रश्न

Paper Code: 91

Subject: Concerned Subject

समय: 02:30 घण्टे + 10 मिनिट अतिरिक्त*

Exam Date 07/07/2025.

अधिकतम अंक : 150 Maximum Marks: 150

Time: 02:30 Hours + 10 Minutes Extra*

प्रश्न पुस्तिका के पेपर की सील / पॉलिथिन बैग को खोलने पर प्रश्न पत्र हल करने से पूर्व परीक्षार्थी यह सुनिश्चित कर लें कि :-

प्रश्न पुस्तिका संख्या तथा ओ.एम.आर. उत्तर-पत्रक पर अंकित बारकोड संख्या समान है।

प्रश्न पुस्तिका एवं ओ.एम.आर. उत्तर-पत्रक के सभी पृष्ठ व सभी प्रश्न सही मुद्रित हैं। समस्त प्रश्न जैसा कि ऊपर वर्णित है, उपलब्ध हैं तथा कोई भी पृष्ठ कम नहीं है/मुद्रण त्रुटि नहीं है।

किसी भी प्रकार की विसंगति या दोषपूर्ण होने पर परीक्षार्थी वीक्षक से दूसरी प्रश्न पुस्तिका प्राप्त कर लें। यह सुनिश्चित करने की जिम्मेदारी अभ्यर्थी की होगी। परीक्षा प्रारम्भ होने के 5 मिनट पश्चात् ऐसे किसी दावे/आपत्ति पर कोई विचार नहीं किया जायेगा।

On opening the paper seal/polythene bag of the Question Booklet before attempting the question paper the candidate should ensure that:-

Question Booklet Number and Barcode Number of OMR Answer Sheet are same.

All pages & Questions of Question Booklet and OMR Answer Sheet are properly printed. All questions as mentioned above are available and no page is missing/misprinted.

If there is any discrepancy/defect, candidate must obtain another Question Booklet from Invigilator. Candidate himself shall be responsible for ensuring this. No claim/objection in this regard will be entertained after five minutes of start of examination.

परीक्षार्थियों के लिए निर्देश

- 1. प्रत्येक प्रश्न के लिये एक विकल्प भरना अनिवार्य है।
- सभी प्रश्नों के अंक समान हैं।
- प्रत्येक प्रश्न का मात्र एक ही उत्तर दीजिये। एक से अधिक उत्तर देने की दशा में प्रश्न के उत्तर को गलत माना जाएगा।
- OMR उत्तर-पत्रक इस प्रश्न पुस्तिका के अन्दर रखा है। जब आपको प्रश्न पुस्तिका खोलने को कहा जाए, तो उत्तर–पत्रक निकाल कर ध्यान से केवल **नीले** बॉल प्वॉइंट पेन से विवरण भरें।
- कृपया अपना रोल नम्बर ओ.एम.आर. उत्तर-पत्रक पर सावधानीपूर्वक सही भरें। गलत रोल नम्बर भरने पर परीक्षार्थी स्वयं उत्तरदायी होगा।
- ओ.एम.आर. उत्तर-पत्रक में करेक्शन पेन/व्हाईटनर/सफेदा का उपयोग
- प्रत्येक गलत उत्तर के लिए प्रश्न अंक का 1/3 भाग काटा जायेगा। गलत उत्तर से तात्पर्य अशुद्ध उत्तर अथवा किसी भी प्रश्न के एक से अधिक उत्तर से है।
- प्रत्येक प्रश्न के पांच विकल्प दिये गये हैं, जिन्हें क्रमशः 1, 2, 3, 4, 5 अंकित किया गया है। अभ्यर्थी को सही उत्तर निर्दिष्ट करते हुए उनमें से केवल एक गोले (बबल) को उत्तर-पत्रक पर नीले बॉल प्वॉइंट पेन से गहरा करना है।
- यदि आप प्रश्न का उत्तर नहीं देना चाहते हैं, तो उत्तर-पत्रक में पांचवे (5) विकल्प को गहरा करें। यदि पांच में से कोई भी गोला गहरा नहीं किया जाता है, तो ऐसे प्रश्न के लिये प्रश्न अंक का 1/3 भाग काटा जायेगा।
- 10.*प्रश्न पत्र हल करने के उपरांत अभ्यर्थी अनिवार्य रूप से ओ.एम.आर. आंसर शीट जांच लें कि समस्त प्रश्नों के लिये एक विकल्प (गोला) भर दिया गया है। इसके लिये ही निर्धारित समय से 10 मिनट का अतिरिक्त समय दिया गया है।
- 11. यदि अभ्यर्थी 10% से अधिक प्रश्नों में पांच विकल्पों में से कोई भी विकल्प अंकित नहीं करता है, तो उसको अयोग्य माना जायेगा।
- 12. मोबाइल फोन अथवा इलेक्ट्रॉनिक यंत्र का परीक्षा हॉल में प्रयोग पूर्णतया वर्जित है। यदि किसी अभ्यर्थी के पास ऐसी कोई वर्जित सामग्री मिलती है, तो उसके विरुद्ध आयोग द्वारा नियमानुसार कार्यवाही की जायेगी।

चेतावनी : अगर कोई अभ्यर्थी नकल करते पकड़ा जाता है या उसके पास से कोई अनिधकृत सामग्री पाई जाती है, तो उस अभ्यर्थी के विरुद्ध पुलिस में प्राथमिकी दर्ज कराते हुए और राजस्थान सार्वजनिक परीक्षा (भर्ती में अनुचित साधनों की रोकथाम अध्युपाय) अधिनियम, 2022 तथा अन्य प्रभावी कानून एवं आयोग के नियमों-प्रावधानों के तहत कार्यवाही की जाएगी। साथ ही आयोग ऐसे अभ्यर्थी को भविष्य में होने वाली आयोग की समस्त परीक्षाओं से विवर्जित कर सकता है।

INSTRUCTIONS FOR CANDIDATES

- It is mandatory to fill one option for each question.
- All questions carry equal marks.
- Only one answer is to be given for each question. If more than one answers are marked, it would be treated as wrong answer.
- The OMR Answer Sheet is inside this Question Booklet. When you are directed to open the Question Booklet, take out the Answer Sheet and fill in the particulars carefully with BLUE BALL POINT PEN only.
- Please correctly fill your Roll Number in OMR Answer Sheet. Candidate will himself/herself be responsible for filling wrong Roll Number.
- Use of Correction Pen/Whitener in the OMR Answer Sheet is strictly forbidden.
- 1/3 part of the mark(s) of each question will be deducted for each wrong answer. A wrong answer means an incorrect answer or more than one answers for any question.
- Each question has five options marked as 1, 2, 3, 4, 5. You have to darken only one circle (bubble) indicating the correct answer on the Answer Sheet using BLUE BALL POINT PEN.
- If you are not attempting a question, then you have to darken the circle '5'. If none of the five circles is darkened, one third (1/3) part of the marks of question shall be deducted.
- After solving the question paper, candidate must ascertain that he/she has darkened one of the circles (bubbles) for each of the questions. Extra time of 10 minutes beyond scheduled time is provided for this.
- 11. A candidate who has not darkened any of the five circles in more than 10% questions shall be disqualified.
- Mobile Phone or any other electronic gadget in the examination hall is strictly prohibited. A candidate found with any of such objectionable material with him/her will be strictly dealt by the Commission as per rules.

Warning: If a candidate is found copying or if any unauthorized material is found in his/her possession, F.I.R. would be lodged against him/her in the Police Station and he/she would liable to be prosecuted under Rajasthan Public Examination (Measures for Prevention of Unfair Means in Recruitment) Act, 2022, other laws applicable and Commission's Regulations. Commission may also debar him/her permanently from all future examinations.

उत्तर-पत्रक में दो प्रतियां हैं - मूल प्रति और कार्बन प्रति। परीक्षा समाप्ति पर परीक्षा कक्ष छोड़ने से पूर्व परीक्षार्थी उत्तर-पत्रक की दोनों प्रतियां वीक्षक को सौंपेंगे, परीक्षार्थी स्वयं कार्बन प्रति अलग नहीं करें। वीक्षक उत्तर-पत्रक की मुल प्रति को अपने पास जमा कर, कार्बन प्रति को मुल प्रति से कट लाईन से मोडकर सावधानीपूर्वक अलग कर परीक्षार्थी को सौंपेंगे, जिसे परीक्षार्थी अपने साथ ले जायेंगे। परीक्षार्थी को उत्तर-पत्रक की कार्बन प्रति चयन प्रक्रिया पूर्ण होने तक सुरक्षित रखनी होगी एवं आयोग द्वारा मांगे जाने पर प्रस्तुत करनी होगी।



	Firms 1646 walls hay	1. 13	Brochemist Colonistelis			
1.	Ligand for LDL particle is -					
	(1) Apo A		Apo E			
	(3) Apo B-100	(4)	Apo B-48			
. 5	(5) Question not attempted					
2.	Nitric oxide functions as a smooth muscle relax	ant. Its	primary intracellular target is -			
	(1) Adenylyl cyclase		Phospholipase C			
	(3) Tyrosine kinase	(4)	Guanylyl cyclase			
_	(5) Question not attempted		LE RESERVE AND A STEEL AND A			
3.	Lathyrism, resulting from the long-term consur					
	(1) Paralysis and muscle weakness		Skin rash and irritation			
	(3) Kidney damage	(4)	Respiratory failure			
	(5) Question not attempted	in jara	and the second control payors are second on the Very 1993			
4.	In colorimetry, the tungsten lamp is primarily u					
	(1) Ultraviolet range (200-400 nm)		Visible range (400-700 nm)			
	(3) Infrared range (700-1500 nm)	(4)	Both ultraviolet and visible ranges			
	(5) Question not attempted		n and the first well about the way and the first the second of the secon			
5.	Nephrotic syndrome is characterized by all the					
	(1) Haematuria		Proteinuria			
	(3) Oedema	(4)	Hypoalbuminemia			
	(5) Question not attempted					
6.	In Acute Intermittent Porphyria, neurologic syn					
	(1) Delta-aminolevulinic acid		Uroporphyrin			
	(3) Heme	(4)	Bilirubin			
	(5) Question not attempted					
7.	Investigation technique used for Metabolic disorder is -					
	(1) Tandem mass spectrometry		ELISA			
	(3) Western blotting	(4)	Immunoturbidimetry			
	(5) Question not attempted					
8.	What is the primary use of 99mTc-Methylene					
	(1) Liver function test		Cardiac imaging			
	(3) Brain imaging	(4)	Bone scanning			
	(5) Question not attempted					
9.	Which HIV gene is detected by Nucleic Acid 7	Testing ((NAT)?			
	(1) env		tat			
	(3) vpu	(4)	vif			
	(5) Question not attempted					
10.	In sickle cell anemia, glutamic acid is replace chain?	d by wl	hich amino acid at position 6 of the beta-glob			
	(1) Valine	(2)	Glycine			
	(3) Lysine	(4)	Alanine			
	(5) Question not attempted		were the second of the second			
11.	performance liquid chromatography?	ype I re	eagent grade water which could be used in hi			
	(1) Distillation and deionization	3357				
	(2) Filtration and distillation	300				
	(3) Ultraviolet treatment and deionization	AVIM				
	(4) Activated carbon filtration and ultraviolet	treatme	nt .			
	(5) Question not attempted					

12.	what is the pr	rimary function of sma	ll interfering RNA	As (siRNAs) in cells?
	(1) Gene sile	ncing	(2)	Protein folding
	(3) RNA spli	cing		DNA replication
	(5) Question	not attempted		
13.	Selenocystein	e is formed by which o	of the following pr	ocess?
	(1) Co-transla	ational modification		Oxidative deamination
		slational modification		Transamination
	(5) Question			Transammation
14.		e requires chloride ion	as activator?	
	(1) Amylase	e requires contente fon		Elastin
	(3) Lipase			Trypsin
	(5) Question	not attempted	\	Пурын
15.		occurs in the followin	g condition	
		e deaminase deficiency		Leach Nyhan ayndroma
	(3) Gout	o dearminase dericiency		Lesch-Nyhan syndrome
	(5) Question i	not attempted	(+)	Chronic kidney disease
16.			a hiamarkar far l	Marsonia D. Diagram
	(1) Flevated I	following is considered evels of Heparan sulfat		
		l levels of glucosamine		Elevated levels of Dermatan sulfate
	(5) Question r		(4)	Elevated levels of keratan sulfate
17.			o in odula 1 1	
	(1) Hypothyro	sidism		o which of the following conditions?
	(3) Dwarfism			Gigantism
	(5) Question r		(4)	Acromegaly
18.		tion of Insulin on lipid	matakalia0	
	(1) It decrease	es lipolysis and decreas	nietabonsm?	all:
	(2) It increase	s synthesis of triglycer	ide and katana ha	diag
	(3) It increase	s lipolysis and increase	e triglygeride sym	thesis
	(4) It decrease	es lipolysis and increase	es trialvoeride syn	thesis
	(5) Question n	not attempted	es digiyeende syn	ittlesis
19.		de analogue that inhibit	e ravarca transaria	atoga waad in ant
	(1) Abacavir	ie analogue mai minon		
	(3) Azidothym	nidine		Nevirapine Zidovudine
	(5) Question n		(+)	Zidovudine
20.		vanillic acid is excretor	m product dominio	1.C. hwelve a tribel to conseque
	(1) Dopamine	vaimine acid is excition		Serotonin
	(3) Epinephrin			
	(5) Question n		335	Norepinephrine
21.	Inducer of lactor	사용하면 없었다. 이 사는 유럽에서 가게 되었다. 그리고 있다면서	570	
	(1) Glucose	ose operon is -	133 (M)	Color
	(3) Allolactose			Galactose
		ot attempted	(4)	Mannose
22.		lria does not contain en	zymas of	Page 1
	(1) Glycogeno			nacis dia para dia changa dia dia dia dia dia dia dia dia dia di
		n of fatty acids		Ketogenesis
			(4)	TCA cycle
	Question n	ot attempted		

23.	The urinary marker for diagnosing carcinoid syn	ndrome	is them to northwest there is any a state of the				
	(1) Vanillylmandelic Acid (VMA)	(2)	Homovanillic Acid (HVA)				
	(3) 5-Hydroxyindoleacetic Acid (5-HIAA)	(4)	Metanephrine				
	(5) Question not attempted						
24.	Which form of mercury is commonly used as a	preserv	ative in some vaccines?				
	(1) Methylmercury		Mercury chloride				
	(3) Ethylmercury	(4)	Dimethylmercury				
	(5) Question not attempted	779	to Caushina or autopied				
25.	DNA synthesis occurs in which cell cycle phase	?					
	(1) M - Phase		G -1 Phase				
	(3) G -2 Phase	(4)	S - Phase				
	(5) Question not attempted		(%) is beginned to solution (G)				
26.	Anticancer agent methotrexate is inhibitor of en	zvme -					
	(1) Xanthine oxidase		Dihydrofolate reductase				
	(3) Phenylalanine hydroxylase	(4)					
	(5) Question not attempted		Part of the absolute and bush bush the				
27.	Which DNA polymerase is involved in repair or	f mamr	nalian DNA?				
	(1) Delta		Alpha				
	(3) Epsilon		Beta				
	(5) Question not attempted		Team of being the last more and a second				
28.	The pathway of metabolic integration is -						
	(1) Krebs' Cycle	(2)	Glycolysis				
	(3) Beta-Oxidation	(4)	HMP shunt (hexose monophosphate shunt)				
	(5) Question not attempted		Yought and the terms of				
29.	Which of the following is also referred as soluble RNA?						
	(1) t-RNA		m-RNA				
	(3) r-RNA		mi-RNA				
	(5) Question not attempted						
30.		onsum	ed to form a single peptide bond during protein				
	synthesis?	Olisain	to form a single popular bone daring protein				
	(1) 4	(2)	6				
	(3) 1	(4)					
	(5) Question not attempted		description (2)				
31.	Endorphins are primarily involved in -		Kilonofor I a kilonofor lings karnadi onav gl. 03				
	(1) Blood clotting	(2)	Pain relief and mood elevation				
	(3) Muscle contraction		Digestion				
	(5) Question not attempted	THE STATE	Digestion (Constant)				
32.	Which enzyme is not required for replication?		processor and spinits (\$				
	(1) Reverse transcriptase	(2)	Topoisomerase				
	(3) Ligase	(4)	20 등을 하고 다음 전 전 10 10 10 10 10 10 10 10 10 10 10 10 10				
	(5) Question not attempted		herimonis ton noticeuo.				
33.	What is the primary function of Slow Reacting	Substa	nce of Anaphylaxis (SRS-A) in the hody?				
	(1) Bronchoconstriction		Increase heart rate				
	(3) Stimulate insulin secretion		Promote vasodilation				
	(5) Question not attempted	(-/	Tromote vasodilation				
	. · · · · · · · · · · · · · · · · · · ·		경기가 다리하다 (4년 1년2일 이 1월 1일				

34.	Which of the following is a potential application	n of dd	RNAi?				
	(1) Treating genetic diseases via gene silencing	(2)	Increasing protein folding speed				
	(3) DNA replication enhancement		Enhancing gene expression				
	(5) Question not attempted						
35.	Uptake of Iodine by thyroid gland is inhibited b	y -					
	(1) Bromide		Fluoride				
	(3) Perchlorate	(4)	Chloride				
	(5) Question not attempted		estrugios reconficueros escorban en (1)				
36.	Mineral deficiency that leads to impaired glucos	se toler	rance is -				
	(1) Phosphorus		Iron				
	(3) Chromium	(4)	Calcium				
	(5) Question not attempted		the dealers of the dealers of				
37.	Creatine is synthesized in the body from all the	follow	ing EXCEPT -				
	(1) Methionine		Glycine				
	(3) Arginine		Tyrosine				
	(5) Question not attempted		S. S. S. Seller State of State				
38.	Which one of the following disease is not associ	iated w	vith mitochondrial defects?				
	(1) Alzheimer's disease	No. of the last of	Krabbe disease				
	(3) Huntington's disease	(4)	Parkinson's disease				
	(5) Question not attempted						
39.	Which of the following enzyme exhibits reverse transcriptase activity?						
	(1) S1 Nuclease		DNA Polymerase II				
	(3) Terminal Deoxynucleotidyl Transferase		Telomerase				
	(5) Question not attempted		ingania io privinci (*)				
40.	All are vectors for gene therapy EXCEPT -		ha suno man in Lorenta. Sublidia				
	(1) Retroviruses	(2)	Liposomes				
	(3) Adenoviruses	(4)	Proteasomes				
	(5) Question not attempted						
41.	Selenium is Prosthetic group for enzyme -		thad a complete the state of the collowing se				
	(1) Glutathione Reductase	(2)	Glutathione Synthetase				
	(3) Glutathione Dehydrogenase	(4)	Glutathione Peroxidase				
	(5) Question not attempted						
42.	Which of the following correctly represents the	definit	ion of normality?				
	(1) The number of grams of solute per liter of se		(STEEN) 그 4 0 - 6 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5				
	(2) The number of moles of solute per liter of so	olution	L page sticker no zero (**)				
	(3) The number of gram equivalent of solute pe	r liter o	of solution.				
	(4) The number of gram equivalents of solute pe	er mill	iliter of solution.				
	(5) Question not attempted						
43.	Which of the following is a potential life-threate	ening c	onsequence of severe hyperkalemia?				
	(1) Hypoglycemia	(2)	Cardiac arrhythmias				
	(3) Respiratory alkalosis	(4)	Dehydration				
	(5) Question not attempted						

44.	Calculate LDL cholesterol using Friedwald for	rmula if -	adit in the property of the pr
	Total Cholesterol: 225 mg/dL		
	HDL Cholesterol: 45 mg/dL		
	Triglyceride: 125 mg/dL		
	(1) 155 mg/dL	(2)	180 mg/dL .
	(3) 130 mg/dL	(4)	100 mg/dL
	(5) Question not attempted		
45.	Ame's test is used to check -		
	(1) Inborn errors of mucopolysaccharides	(2)	Mutagenicity of compound
	(3) Sickle cell Anemia		Viral diseases
	(5) Question not attempted		That discuses
46.		folio acio	1 otmoture?
40.	Which of the following is not a component of		
	(1) Glutaric acid		Para-Aminobenzoic Acid (PABA)
	(3) Glutamic acid	(4)	Pteridine ring
	(5) Question not attempted		
47.	All diseases involve prion proteins EXCEPT		
	(1) Mad Cow Disease		Alzheimer's Disease
	(3) Creutzfeldt-Jakob Disease	(4)	McArdle's Disease
	(5) Question not attempted		
48.	Milk is a good source of all the following EXO	CEPT -	
	(1) Potassium		Sodium
	(3) Riboflavin	(4)	Iron
	(5) Question not attempted		
49.	Sickle cell Anemia is an example of which typ	e of mut	ation?
	(1) Missense		Nonsense
	(3) Silent		Frameshift
	(5) Question not attempted		
50.	5 millilitre is expressed in microlitre as -		
	(1) 500 µL	(2)	50000 μL
			- 12. (1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
	(3) 50 μL	(4)	5000 μL
	(5) Question not attempted		
51.	In a fasting state, which of the following enzy		
	(1) Glycogen synthase		Glycogen phosphorylase
	(3) Acetyl-CoA carboxylase	(4)	Phosphofructokinase
	(5) Question not attempted		
52.	Vitamin C is required in all processes EXCEP	T -	
	(1) Synthesis of bile acids	(2)	Hydroxylation of proline and lysine
	(3) Synthesis of serotonin	(4)	Transsulfuration of homocysteine
	(5) Question not attempted		all regions of school to the on early 19.
53.	Which disease was the first to be treated using	gene the	erapy?
			Hemophilia
	(3) Muscular dystrophy	(4)	Severe Combined Immunodeficiency (SCID)
	(5) Question not attempted		
54.	DNA Repair pathway for "Pyrimidine dimers"	# 14 O.H	
	(1) Base Excision Repair		Nucleotide Excision Repair
	(3) Mismatch Repair	(4)	Homologous Recombination
		(4)	Homologous recombination
	(5) Question not attempted		

55.	Systemic error can best be described as consisting	ig of -	
	(1) Constant and proportional error	(2)	Proportional error
	(3) Random error	(4)	Constant error
	(5) Question not attempted		and the state of t
56.	Which enzyme protects DNA from aging?	la	
	(1) Topoisomerase	(2)	DNA polymerase
	(3) Deoxyribonuclease	Ca.	Telomerase
	(5) Question not attempted		AND THE STATE OF T
57.	An application of plasmid-liposome complex is	-	
	(1) Inhibition of DNA replication		Gene delivery into cells
	(3) Activation of protein synthesis		Production of monoclonal antibodies
	(5) Question not attempted		
58.	Which of the following enzymes is primarily inv	olved	in Phase I of xenobiotic metabolism?
	(1) UDP-glucuronosyltransferase		N-acetyltransferase
	(3) Glutathione-S-transferase		Cytochrome P450
	(5) Question not attempted		
59.	Which of the following is a symptom of prolong	ed Vit	amin A deficiency?
	(1) Scurvy		Beriberi
	(3) Rickets		Xerophthalmia
	(5) Question not attempted		
60.	Excessive supplementation of menadione (synthetics)	etic vit	tamin K3) in adults can lead to -
	(1) Increased bone density		Enhanced muscle growth
	(3) Improved kidney function		Hemolytic anemia
	(5) Question not attempted		
61.	Which of the following kinase catalyses reversib	le reac	etion in Glycolysis?
	(1) Hexokinase		Phosphofructo Kinase
	(3) Phosphoglycerate Kinase		Pyruvate Kinase
	(5) Question not attempted		
62.	Which of the following is the primary source o	f ener	gy for skeletal muscles when oxygen supply is
	insufficient?		
	(1) Palmitic acid	(2)	Fatty acids
	(3) Amino acids	(4)	Glucose
	(5) Question not attempted		
63.	Which of the following is a naturally occurring of	carcino	ogen?
	(1) Asbestos		Aflatoxin
	(3) Formaldehyde	(4)	Benzene
	(5) Question not attempted		
64.	Retinitis pigmentosa is related with the deficience	y of w	which of the following?
	(1) Docosahexenoic Acid (DHA)	(2)	
	(3) Oleic Acid	(4)	Arachidonic Acid
	(5) Question not attempted		
65.	Ochronosis is seen in -		SSB car I recommend to be supported by the State of the S
	(1) Tyrosinosis	(2)	Phenylketonuria
	(3) Alkaptonuria		Albinism
	(5) Question not attempted		To grown and wall the

66.	For recombinant DNA technology all of the f	following	are cloning vectors, EXCEPT -		
	(1) Plasmid	(2)	Prion was the allowing the same of (1)		
	(3) Cosmid	(4)	Lambda phage		
	(5) Question not attempted		the defining political (3)		
67.	Which of the following types of waste fal Management Rules, 2016?	ls under	the yellow category in the Biomedical Waste		
	(1) Vacutainer tubes	(2)	Needles and syringes		
	(3) Human tissues	(4)	Catheters		
	(5) Question not attempted		emen not a soft because to not some or . It		
68.	Hemolyzed samples give falsely low values f	for analyte			
	(1) Phosphate	(2)	LDH Transprigor & ACL to not felialist (1)		
	(3) Bilirubin	(4)	Magnesium		
	(5) Question not attempted		bolights is ion dollable() 45)		
69.	During prolonged starvation, which of the gluconeogenesis?	followin	g is most likely to be used by the liver for		
	(1) Glycogen	(2)	Ketone bodies		
	(3) Fatty acids		Amino acids		
	(5) Question not attempted	(-)			
70.	One of the following is an example of repress	nion	s harrow myz a al potweffot car for covi		
	•		AT A Synthaga by home		
	(1) Glycogen phosphorylase by glucagon		ALA Synthase by heme Cytochromes by cyanide		
	(3) Succinate dehydrogenase by malonate	(4)	Cytochromes by Cyamide		
71.	(5) Question not attempted	n dio (a)	special part to rectage a contract of the All 100		
<i>,</i> 1.	Which of the following is not an anticoagular				
	(1) Potassium oxalate		Ethidium bromide		
	(3) EDTA	(4)	Heparin		
70	(5) Question not attempted		Same and the second sec		
72.	Which coloured bag or container is used for o		[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]		
	(1) Yellow		Black		
	(3) Blue	(4)	White		
	(5) Question not attempted		BSIGNOLL 200 GOLDEN AND		
73.	Co-enzyme for Transketolation Reaction in F				
	(1) PLP		TPP		
	(3) FAD	(4)	NAD		
	(5) Question not attempted		which community (C)		
74.	Which of the following is true about antibodies with the suffix "umab"?				
	(1) The antibody is fully synthetic with no natural sources.				
	(2) The antibody contains exclusively human sequences.				
	(3) The antibody has both human and murine	e regions.	obly: formed (6) Sec.		
	(4) The antibody is humanized, with some m	nurine con	ponents.		
	(5) Question not attempted				
75.	Interferons are secreted by -		et all the manifest of the decidence with the de		
	(1) Mast cells	(2)	Virus infected cells		
	(3) Marcophages		Leucocytes		
	(5) Question not attempted		beigneste en softeet). (9)		
76.	All inhibit Bacterial DNA gyrase EXCEPT -	· Wasa			
	(1) Nalidixic acid		Doxorubicin		
	(3) Novobiocin		Ciproflòxacin Ciproflòxacin (4)		
	(5) Question not attempted		belongstis dan gobeen O. (F)		

77.	Which of the following acid reagents is from glassware?	most co	mmor	nly used to clean stubborn organic contaminants
	(1) Hydrofluoric acid	BAXE	(2)	Acetic acid
	(3) Chromic acid-sulfuric acid mixture	7365		
			(4)	Hydrochloric acid
78.	(5) Question not attempted		· ·	
70.	Antineoplastic drug which blocks the sy	nthesis o		
	(1) 6-Thioguanine			Etoposide
	(3) Vinblastine		(4)	Methotrexate
	(5) Question not attempted			
79.	The graphical shape of Gaussian distribu	ution cur	ve is -	and the state of the control of the state of
	(1) Rectangular		(2)	Skewed
	(3) Uniform		(4)	Bell shaped
	(5) Question not attempted			
80.	Which of the following is a negative acu	ite-phase	prote	in?
	(1) Albumin		(2)	Alpha-1 antitrypsin
	(3) C-reactive protein		(4)	Haptoglobin
	(5) Question not attempted			
81.		ly uses th	he bio	otin-avidin complex for increasing sensitivity of
	detection?	-j		
	(1) Polymerase Chain Reaction (PCR)			
	(2) Enzyme-Linked Immunosorbent As	sav (ELI	SA)	
	(3) Western blotting	5 (,	
	(4) Gel electrophoresis			
	(5) Question not attempted			
82.	Major histocompatibility complex is loc	ated on		
	(1) Chromosome 6	aicu on -		Chromosome 18
	(3) Chromosome 21		(4)	
			(+)	Chromosome 8
83.	(5) Question not attempted	St. W. J.	1614	
00.	Which monosaccharide is responsible for	or seques		[2] [1] [2] [2] [2] [2] [2] [3] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4
	(1) Mannose			Glucose
	(3) Allose		(4)	Fructose
04	(5) Question not attempted			
84.	Lung maturity in foetus is assessed by -		(0)	
	(1) Phosphatidyl Serine			Lecithin/Sphingomyelin (L/S) Ratio
	(3) Cephalin		(4)	Cortisol
100 E	(5) Question not attempted			
85.	Colorimeter is based on -			
	(1) Hard-Weinberg Law		(2)	Beer-Lambert Law
	(3) Haber-Weiss Law		(4)	Graham's Law
	(5) Question not attempted			
86.	If an R _{4S} pattern occurs in a 2-level QC	run on L	evey-	Jennings chart, what should be the next step?
	(1) Continue with the test run, as this is			
	(2) Ignore the pattern if the points are w			
	(3) Accept the run and monitor for furth			a transament
	(4) Reject the test run and investigate po	The Park Name		natic errors.
	(5) Question not attempted			equipliant in the light

87.	How does enalapril help lower blood pre	essure?					
	(1) It competitively inhibits angiotensin-converting enzyme, lowering angiotensin II production.						
	(2) It increases nitric oxide release, causing vasoconstriction.						
	(3) It blocks beta-adrenergic receptors, 1						
	(4) It stimulates aldosterone release, inc		200	[[[[[[[[[[[[[[[[[[[
	(5) Question not attempted	reasing so					
88.	The safe limit of fluoride in drinking was						
	(1) between 2.5-4.0 ppm	ICI 18 -	(2)	-h 5 0			
	: : : : : : : : : : : : : : : : : : :			above 5.0 ppm			
100	(3) about 1.0 ppm		(4)	below 0.3 ppm			
90	(5) Question not attempted			internation in the control of the second			
89.	What color does the aqueous solution of	Bromocre		'전 공습문의 'B' (1975) - 1982 - 1			
	(1) Blue	WX.		Red			
	(3) Green	1000	(4)	Yellow			
	(5) Question not attempted	natorą cer					
90.	Protease inhibitor antiretroviral drug is -						
	(1) Indinavir		(2)	Nevirapine			
	(3) Abacavir			Zidovudine			
	(5) Question not attempted			glacing is a seek of Dispersion for the see			
91.	All drugs causes hypokalemia EXCEPT	-					
	(1) Acetazolamide		(2)	Digoxin			
	(3) Corticosteroids			Insulin			
	(5) Question not attempted		` '	And the second s			
92.		k factor fo	or c	leveloping Non-Alcoholic Fatty Liver Disease			
	(NAFLD)?	a ractor re	,	leveloping from Alcohome Tality Liver Disease			
	(1) Regular exercise		(2)	Uncontrolled diabetes mellitus			
	(3) Low-fat diet			Low blood sugar levels			
	(5) Question not attempted		` '	Down blood sugar levels			
93.	Mechanism involved in the intestinal synthesis of Apo B-48 -						
	(1) DNA rearrangement	ulesis of F	OF BUSINESS	RNA interference			
	(3) DNA transposition	(8)		RNA editing			
	(5) Question not attempted		(4)	KNA editing			
94.	마양하다 그 그리고 얼마나 하다 그리고 아이트 그리고 있다. 그리고 얼마나 하는 그리고 있다고 있다.						
•	Limiting amino acid in gelatin protein is		(0)	THE REPORT OF A SECURITION OF THE PROPERTY OF THE PARTY O			
	(1) Threonine			Lysine			
	(3) Cysteine		(4)	Tryptophan			
05	(5) Question not attempted			Common ten bereind at 8			
95.	Which of the following best describes the coordinated role of gp120 and gp41 in HIV infection?						
	(1) gp120 degrades host RNA, gp41 promotes viral budding						
	(2) gp120 integrates viral DNA, gp41 ac						
	(3) gp120 binds host receptors, gp41 me						
	(4) gp120 produces viral enzymes, gp41 produces viral RNA						
	(5) Question not attempted						
96.	CA-125 is primarily used as a tumor mar	ker for wh	ich	type of cancer?			
	(1) Ovarian cancer			Colorectal cancer			
	(3) Breast cancer	1917 201	(4)	Lung cancer			
	(5) Question not attempted						

97.	Leigh syndrome is associated with defects in which	h mi	tochondrial respiratory chain enzyme complex?
	(1) Succinate dehydrogenase		ATP synthase
	(3) NADH: ubiquinone oxidoreductase		Cytochrome c oxidase
	(5) Question not attempted		the physic landing pauly (6)
98.	De Ritis Ratio is ratio between -		tory tards on an application of an artist and a second
	(1) CPK BB : CPK MB	(2)	AST: ALT
	(3) ACP: ALP		AST: ALP
	(5) Question not attempted		and a grante for not set.
99.	What is the approximate glycemic index range of f	u11-1	fat whole milk?
	(1) 10-15		90-95
	(3) 55-60		35-40
	(5) Question not attempted		Lorementa tom homestica (3) - a
100.	Hyperuricemia occurs in all the following conditio	ns F	EXCEPT -
	(1) Lesch-Nyhan syndrome	la .	(") Hoteland have been lovely
	(2) Von Gierke's disease	Re Re	
	(3) Xanthine oxidase deficiency	i.	
	(4) Phosphoribosylpyrophosphate synthetase super	racti	vity when a manufacture of the derivity
	(5) Question not attempted	luct	ing of the Substitute Services were loosed to
101.	Who is credited with developing the technique of p	olv	merase chain reaction?
	(1) Louis Pasteur		Kary Mullis
	(3) Rosalind Franklin		Rosalyn Yalow
	(5) Question not attempted		an an a possiciones or and a tech considerate
102.	Following are positive health benefits of dietary file	rec	EXCEPT - MINICIPAL CONTRACTOR OF THE PARTY O
	(1) Decreases plasma cholesterol		Decreases absorption of calcium and iron
	네 살림을 보고 있는데 이번 경에 가는 아이를 중국에 이번 경국에 이번 경기를 받는데 이번 생각하게 되었다. 이번 사람들에게 하는 아이트를 하는데 가지를 하는데 가지를 하는데 되었다. 그렇게 하는데		Reduces risk of constipation
	(5) Question not attempted	9.7	reduces risk of constipation
103.	Which codon is not chain terminating codon?		
	(1) UGA	(2)	AUG VIEROSUS (*)
	(3) UAA		UAG
	(5) Question not attempted	``	the optimition to be a selected as open of well a
104.	What is the relation between K_m (Michaelis Consta	nt)	and Affinity of Enzyme for the substrate?
	(1) When K _m Decreases, Affinity Decreases.	1111)	and Arminty of Enzyme for the substrate:
	(2) When K _m Increases, Affinity Increases.		enabilisam musdenginink dal (8)
	(3) When K _m Increases, Affinity Decreases.		 Appending Aller Service and Appending Committee
	(4) There is no relation between K_m and Affinity of	f en	zyme for the substrate
	(5) Question not attempted	1 011	The substitute.
105.	In SDS-PAGE technique, what is the main role of S	SUS	(Sodium dodecyl sulfate)?
	(1) To stain the proteins		To increase the pH of the buffer
	(3) To break disulfide bonds in proteins		To give proteins a uniform negative charge
	(5) Question not attempted	٠٠,	To give proteins a uniform negative charge
106.	Which of the following act as a strong reducing age	ent?	o Planta in the area of the control of the control
•	(1) Folic acid		Ascorbic acid
	(3) Nicotinic acid		Pantothenic acid
	(5) Question not attempted	(.,	a another acid
107.	Histone undergo extensive modification by all EX	TT	reserve as an enterior of the second of the
	(1) Methylation	The Property	Glycosylation
	(3) ADP ribosylation		Acetylation
	(5) Question not attempted	٠.,	Acetylation menantal contraction (2)
	, , Zassion not attempted		

108.	All of the vitamins play key roles in the citric acid	сус	le EXCEPT -
	(1) Biotin	(2)	Riboflavin
	(3) Niacin	(4)	Pantothenic acid
	(5) Question not attempted		
109.	Calmodulin is Homologous to which protein in str	uctu	are and function?
	(1) Ceruloplasmin		Troponin C
	(3) Transferrin	(4)	2. [2] [2] [2] [2] [2] [2] [2] [2] [2] [2]
	(5) Question not attempted		halways the sam on the
110.	Nitrogen donor at position 9 in purine ring biosynt	hesi	s is -
	(1) Aspartate		Glutamine
	(3) Alanine	(4)	Serine
	(5) Question not attempted		to hearly for regiserio. (c)
111.	A key laboratory finding in Zollinger-Ellison synd	rom	
	(1) Increased insulin levels		Elevated fasting serum gastrin levels
	(3) Low serum gastrin levels	(4)	Decreased gastric acid secretion
	(5) Question not attempted		O DESCRIPTION OF THE PROPERTY
112.	주에는 아들이 그 아들은 이번 나라에서 하면 내용에 되어 가게 되었습니다. 그 사람들이 아들은 아들이 아들이 아들이 되었는데 하는데 아들이	fact	that large quantities of one of the following
	metabolites excreted in urine is a keto acid. Which		
	(1) Phenyllactate	(2)	Phenylpyruvate
	(3) Phenylacetate		Phenylalanine
	(5) Question not attempted		
113.	Acid base disturbance associated with diabetic keto	osis	is -
	(1) Respiratory Alkalosis		Metabolic Alkalosis
	(3) Normal anion gap metabolic acidosis	(4)	High anion gap metabolic acidosis
	(5) Question not attempted		
114.	Which level of structural organisation is present in	insi	ulin?
	(1) Secondary		Primary
	(3) Quaternary	(4)	Tertiary
	(5) Question not attempted		
115.	In response to cold exposure, thermogenin plays a	key	role in -
	(1) Stimulating brown adipose tissue to produce he		
	(2) Generating ATP through oxidative phosphoryl		n.
	(3) Inhibiting energy expenditure.		(2) When the Indicates the first increase
	(4) Enhancing fatty acid synthesis.		
	(5) Question not attempted		thing of the world of the strings specific (6)
116.	Which of the following plasma protein is primarily	resp	onsible for maintaining in vivo colloidal osmatic
	pressure?		
	(1) Haemoglobin	(2)	Albumin
	(3) α ₂ Macroglobulin	(4)	Fibrinogen
	(5) Question not attempted		
117.	Which enzyme defect is seen in Menkes disease?		managers and the execution of the second
	(1) Prolyl hydroxylase	(2)	Lysyl hydroxylase
	(3) Prolyl oxidase	(4)	Lysyl oxidase
	(5) Question not attempted		
118.	Which of the following enzymes is responsible for		
	(1) DNA glycosylase		Superoxide dismutase (SOD)
	(3) DNA polymerase	(4)	DNA ligase
	(5) Question not attempted		beignein ich ann al (8)

119.	Which complex is not a proton pump in respir		
	(1) Complex - II		Complex - IV
	(3) Complex - III	(4)	Complex - I
	(5) Question not attempted		
120.	Which of the following clotting factors does n	ot require	e Vitamin K for activation?
	(1) Factor VII		Factor II
	(3) Factor IX	(4)	Factor VIII
	(5) Question not attempted		
121.	DNA which has left handed Helix?		
	(1) Z - DNA	(2)	A - DNA
	(3) C - DNA		D DNA
	(5) Question not attempted	` '	B - DNA balquisha la tanah
122.	사용하다 경기(구경) (2012년 1일 - 1일	nonents (of which cellular machinery?
SIN B	Sman nacical modulatesproteins are neg com-		Spliceosome
	(1) DNA polymerase complex		Telomerase
	(3) Ribosome	(4)	Telomerase
100	(5) Question not attempted		1.1
123.	그 사람들은 사람들이 많은 사람들이 되었다. 그는 사람들은 사람들이 되었다면 하는 사람들이 되었다면 하는 사람들이 되었다면 하는 것이다.	anhydro	ogalactose units which are used as matrix for
	electrophoresis is -	(2)	
	(1) Cellulose		Agarose
	(3) Polystyrene	(4)	Dextran
	(5) Question not attempted		
124.	Radionuclide compound used as tracer in Posi		
	(1) Strontium glucose		Flurodeoxy glucose
	(3) Technetium	(4)	Iodine diodrast
	(5) Question not attempted		
125.	Trotmones having cen surface receptors and n		전에 보는 보면 전투 전쟁 전투 경기 보고 있는 것이다. 그는 전 보고 있는 것이 되었다. 그런 그는 전 보고 있는 것이 되었다. 그런 그는 것이 없는 것이다. 그런 그는 것이 없는 것이다. 그런 그
	(1) Thyroxine		Insulin
	(3) Calcitonin	(4)	Oxytocin
	(5) Question not attempted	(x79	
126.	Which enzyme is primarily inhibited by organ	ophosph	orus pesticides?
	(1) Acetylcholinesterase	(2)	Phospholipase A2
	(3) ATP synthase	(4)	Cytochrome P450
	(5) Question not attempted		
127.	The amino acid which does not allow formation	on of alpl	ha helix is -
	(1) Glutamate	(2)	Proline
	(3) Tyrosine	(4)	Histidine
	(5) Question not attempted		
128.	When glycogen phosphorylase is active, what	is the st	Ite of glycogen synthase?
	(1) Inactive due to phosphorylation		Activated by glucagon
	(3) Also active		Not affected
	(5) Question not attempted	1 Inch	
129.	. HT NEW HOLD HE WITCH TO THE STATE OF THE STA	ency of w	which enzyme?
	(1) Carbamoyl phosphate synthetase 1		Ornithine transcarbamylase
	(3) Argininosuccinate synthetase		Arginase
	(5) Question not attempted		a. Letamsha top houses (2014)
		The second second	and the state of t

130.	Respiratory quotient for proteins is -	eriteti.					
	(1) 0.84		(2)	0.71			
	(3) 1.0		(4)	0.65			
	(5) Question not attempted						
131.	Lipogenesis is not decreased in -						
	(1) Absorptive state		(2)	High fat diet			
	(3) Feeding low calorie diets		(4)	Deficiency of insulin			
	(5) Question not attempted						
132.	로만나이트 문에에 기업을 보고 하는 . 그렇게 발생하면 하게 되었다면 하게 되었다면 하게 되었다. 그런 그렇게 하게 되었다면						
	(1) Apolipoprotein B-100			Apolipoprotein E			
	(3) Apolipoprotein C-II		(4)	LDL receptor			
	(5) Question not attempted						
133.	What is an intron?						
	(1) A non-coding sequence removed RNA processing.	during	(2)	A segment of DNA that serves as a binding site for ribosomes.			
	(3) A promoter region of DNA.		(4)	A protein-coding region of a gene.			
	(5) Question not attempted						
134.	10 전 10 - 이렇게 10 10 10 10 10 10 10 10 10 10 10 10 10						
	(1) Refsum's disease		(2)	Zellweger's syndrome			
	(3) Ketonuria	3887	(4)	Dicarboxylic aciduria			
	(5) Question not attempted			about the second of the second			
135.	Tangier disease is due to defect of -						
	(1) LDL Receptor		(2)	β-Galactosidase			
	(3) ATP Binding Cassette Transporter-1		(4)	HMG CoA Reductase			
	(5) Question not attempted			en a la companya de			
136.	A clinical feature commonly seen in systemic carnitine deficiency is -						
	(1) Hypoketotic Hypoglycemia			Hyperbilirubinemia			
	(3) Hyperglycemia	8. 10. 11999	(4)	Hyperkalemia			
	(5) Question not attempted						
137.	60S subunit of peptidyl transferase in inhibited by -						
	(1) Puromycin	HEROT R		Mitomycin			
	(3) Diphtheria toxin			Cycloheximide			
	(5) Question not attempted			of the state of th			
138.	Which of the following molecules is the product of the reaction between superoxide anion and						
	Superoxide dismutase?						
	(1) Hydrogen peroxide		(2)	Nitric oxide			
	(3) Water			Ammonia			
	(5) Question not attempted						
139.	Enzyme deficient in Erythropoietic Protoporphyria (EPP) is -						
	(1) Ferrochelatase	Acit ale		Protoporphyrinogen oxidase			
	(3) Hydroxymethylbilane (HMB) synthase	N-1		ALA Synthase			
	(5) Question not attempted			The state of the s			
140.	The following complex serves as a physical link between citric acid cycle & Electron Transport Chain						
	(ETC) -						
	(1) Complex - I		(2)	Complex - III			
	(3) Complex - II		(4)	Complex - IV			
	(5) Question not attempted			Anna maranda (C)			

142.	(1) (3) (5)	synthesis of the purine ring requires following Glycine, asparagine, and histidine Glutamine, aspartate, and glycine Question not attempted	(2)	Alanine, glutamine, and serine			
142.	(3) (5)	Glutamine, aspartate, and glycine		를 하고 있다면 가득하는 것이 있다. 이 프로그램 등 전에 가는 사람들이 되었다면 하는 것이 되었다면 하는데			
142.	(5)		(77)	Glutamate, tyrosine, and threonine			
142.		Question not attempted		o is the control of t			
	The correct statement about red and fasting inclabone states is -						
	(1)	1) In the fasting state, glucagon acts to increase the synthesis of glycogen from glucose					
	(2) The amount of ketone bodies synthesised during fasting state increases as fasting extends in starvation						
	(3)	(3) In the fasting state glucagon acts to increase the activity of lipoprotein lipase in adipose tissue					
	(4)	(4) In the fed state insulin acts to increase the breakdown of glycogen to maintain blood glucose					
	(5) ((5) Question not attempted					
143.	Valinomycin inhibits oxidative phosphorylation because -						
	(1)	(1) It inhibits ATP synthase					
		2) It makes mitochondria permeable to Potassium					
		It inhibits cytochrome oxidase					
) It forms a complex with NADH					
		Question not attempted					
144.	Gluta	camine analog used as anti-cancer drug is -					
		6-Mercaptopurine	(2)	Thioguanine			
		Azaserine	(4)	5 Fluorouracil			
		Question not attempted					
145.	Green coloured cap vacutainer tube contains -						
	(1) I	Heparin	(2)	EDTA			
	(3) I	Fluoride	(4)	Sodium citrate			
		(5) Question not attempted					
146.	Wha	t causes Creutzfeldt-Jakob disease?					
		Prion	(2)	Protein S deficiency			
		Virion	(4)	Viroids			
	(5) (Question not attempted					
147.	All th	All the following minerals are considered to be major elements EXCEPT -					
	(1) S	Sodium		Calcium			
	(3) N	Magnesium	(4)	Iron			
		Question not attempted					
148.	Indic	cate the role of PEX family of genes?					
	(1) E	Enzymes in glycolysis	(2)	Peroxisome biogenesis			
		Proteins involved in DNA repair		Components of the ribosome			
	(5)	Question not attempted					
149.	Vitan	min B12 is required for all EXCEPT -					
	(1) P	Protein synthesis	(2)	Transamination			
	d	Reduction of ribonucleotides to deoxyribonucleotides	(4)	Methylation of homocysteine to methionine			
		Question not attempted					
		A1 is classified as which type of gene?					
		Tumor suppressor gene	(2)	Oncogene			
	(3) D	DNA repair gene		Proto-oncogene			
	(5) Ç	Question not attempted					
		9809		나 없는 빨리 가게 되었다는 그리고 그			

Space for Rough Work / रफ कार्य के लिए जगह

