	www.radasatat.rec	PUD	UKKOT		DIS	7	
	HALF YEARLY EXAMINATION	- 2023	Exam.N	0			
T	ime : 3.00 Hours XI - ZO		GY		Ma	arks ;	70
3		I-TS					
Vot	e: 1) Answer all the questions. 2) Cl	hoose the	e best answ	er.	(1	15x1=	=15)
100	What taxonomic aid gives comprehen	sive info	rmation abou	ut a tax	xon?		
	a) Taxonomic key		b) Herbariun	n			
	c) Flora		d) Monograp	h			
	The respiratory pigment in cockroach	is	Alle Car of the			1	
	a) haemoglobin		b) haemocya	anin			
	c) haemoerythrin		d) none of the	ne abov	ve		
	Non-shivering thermogenesis in neon	ates pro	duces heat t	hrough	1		
	a) white fat	12 4 4 10	b) brown fat	1			
	c) yellow fat		d) colourless	fat			
	Buccopharyngeal respiration in frog		4-10-10				
	a) is increased when nostrils are clos-	ed					
	b) stops when there is pulmonary res	spiration		197			
	c) is increased when it is catching fly	E. LACTI			1 1 1		
	d) stops when mouth is opened						
	Assertion(A): Large intestine also sh				e sma	III inte	estine
	Reason (R): Absorption of water tal						
	a) Both A and B are true and B is the						
	b) Both A and B are true but B is not	the corre	ect explanati	on of A	1		
	c) A is true but B is false						
	d) A is false but B is true			and the state of	4000	HAY	
	Which of the following best describes			xchang	ge in t	he lu	ngs?
	a) Air moves in and out of the alveoli			The state of			
	b) Carbon dioxide diffuses from deoxyge						
	c) Oxygen and carbon dioxide diffuse	down the	eir concentra	tion gr	adient	ts bet	ween
	blood and alveolar air			40			
	d) Oxygen diffuses from alveolar air i	nto deox	ygenated bid	000			4 4
	Dub sound of heart is caused by a) Closure of atrio-ventricular valves		h) Onanina	-6			
			b) Opening				
	c) Closure of semi-lunar values ventricular valves		. a)	Openi	ng d	or a	itrio-
		corntion	of water in		4		
•	The hormone which helps in the reab a) Cholecystokinin				tubule	es is	
	c) Antidiuretic hormone		b) Angiotens				
		dation of	u) Pa	ncreoz	ymin		
	Inflammation of joints due to accumula) Gout					ed as	
	c) Osteoporosis		b) Myasthen		/IS		
0.			d) Osteomal		h	100	
	a) Faster conduction of nerve impulse	aceu with	the myenne	: sneat	n exce	ept	
*	b) Nodes of Ranvier forming gaps alo	es ong the s	von			10,0	
	c) Increased energy output for nerve	impulse	conduction				
	d) Saltatory condition of action poten	tial	conduction		1 175	M	
1.	Which of the following statement abo	nut say h	ormonos is a	correct	2		
	a) Testosterone is produced by leydig of	ells unde	r the influence	of lut	i. Ginizin	a hor	mono
	b) Progesterone is secreted by corpus	s luteum	and softens	pelvic	ligame	ents d	luring
	Cilid Difu)				nyante	iils (uring
	c) Oestrogen is sereted by both serto	oli cells a	nd cornus lui	teum			
	a) Progesterone produced by cornus	luteum i	s biologically	differe	ent fro	m the	one
	produced by blacenta			a.iici e	aric 110	iii uk	- OIR
2.	The instrument used to measure blo	od press	ure is			1992	
	a) Stethoscope		1 LV 11-		The state of the s		. 300

b) Haemocytometer

d) Haemoglobinometer

12.

a) Stethoscope

c) Sphygmomanometer

Which one of the following is not related to vermiculture? ii) Breakdown of inorganic matter i) Maintains soil fertility iii) Gives porosity, aeration and moister holding capacity iv) Degradation of non biodegradable solid waste b) iii and iv is correct a) i and ii is correct c) ii and iv is not correct d) i and iii is not correct 14. How much oxygen is delivered in 100ml of blood in a normal physiological conduction? b) 5ml c) 7ml a) 6ml d) 8ml Match the following and find the correct answer. 15. Column II Column I i) Erythropoitin a) Agglutiniztion b) It takes important role in inflammation of body tissues ii) Haematocrit c) Finding the ratio between blood and red blood cells iii) Heparin iv) Antigen - d) It stimultes the synthesis of RBCs in the bone marrow a) i-d II-C iii-b iv-a b) i-a ii-b III-C iv-d c) i-a ii-C iii-d iv-b d) i-d ii-c iii-b iv-a PART - II (6x2=12)Note: Answer any six questions. Question No.24 is compulsory. What is cladogram? 16. Compare closed and opened circulatory system. 17. 18. What are the components of blood in frog? 19. What should be the characteristic features of respiratory surface? Differentiate cortical from medullary nephrons. 20. 21. How is tetany caused? 22. Write the functions of (CCK) cholecystokinin. 23. Define: Cross Breeding. Right ventricular wall is thinner than the left ventricular wall. Why? 24. PART - III Note: Answer any six questions. Question No.33 is compulsory. (6x3=18) List the functions of air bladder in fishes. 25. Compare dense regular connective tissue with the dense irregular connective tissues? 26. 27. Bile juice contains no digestive enzymes, yet it is important for digestion. Why? What is meant by dead space? 28. What is lymph? Write its function. 29. Draw a labelled diagram of LS of kidney. 30. 31. What is meant by physiotherapy? Write the clinical significance of ultra sonogram. 32. Give the economic importance of Silkworm. 33. PART - IV (5x5=25)Note: Answer all the questions. a) List the characteristics features of phylum artropoda? (OR) b) Compare the chordates with non-chordates? a) Give an account of digestive system of earthworm? (OR) b) Describe the process of inspiration & expiration with a diagram? a) Describe the process of digestion in the stomach. 36. b) Distinguish between arteries and veins. a) How is Urine formed in the human body? 37. (OR) b) List the refractive errors of eye. a) What are the advantages of CT over other imaging techniques? 38. b) i) Give the economic importance of lac insect. ii) What are the advantages of artificial insemination?

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