

BOOKLET SR.NO.



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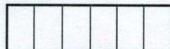
Physiology

3ZXN



સમય : 50 મિનિટ Time : 50 Minutes કુલ પ્રશ્નો : 100 Total Que. : 100 કુલ ગુણ : 100 Total Marks : 100

ઉમેદવારનો સીટ નંબર



ઉમેદવારોને સુચના

- (01) આ પ્રશ્નપુસ્તિકામાં કુલ 100 પ્રશ્નો છે. દરેકના સરખા ગુજ્ઞ છે. બધા પ્રશ્નોના જવાબ આપો. તમારા કુલ ગુજ્ઞનો આધાર તમે જેટલા સાચા ઉત્તરો આપ્યા હશે તેની સંખ્યા ઉપર રહેશે.
- (02) 1થી 100 પ્રશ્નો પૂરેપૂરા છપાયેલા છે કે કેમ? તેની પ્રથમ ખાતરી કરી લો. જો પ્રશ્નો પૂરા છપાયા ન હોય અથવા કોઈ પૃષ્ઠ ફાટેલું હોય કે કોઈ પૃષ્ઠ સામેલ ન હોય (Missing) તો તુરત જ પ્રશ્નપુસ્તિકા નિરીક્ષક પાસેથી અચુક બદલાવી લેવી.
- (03) આ પાના ઉપર આપનો બેઠક નંબર લખો.
- (04) આપ કોઈના ઉત્તરની નકલ કરશો નહિ, તેમજ આપના ઉત્તરની નકલ કરવા દેશો નહિ.
- (05) પરીક્ષાર્થીઓને પરીક્ષાખંડ/હૉલમાં, પ્રવેશપત્ર સિવાય કોઈ પણ પ્રકારના હસ્તલિખિત, છાપેલ પુસ્તક કે કાગળની ચિક્રી, પેપર, મોબાઈલ-સેલ ફોન કે કોઈ પણ પ્રકારના ઇલેક્ટ્રોનિક સાધનો લઈ જવાની કે ઉપયોગ કરવાની અનુમતિ નથી.
- (06) પ્રશ્નોના જવાબો અલગ જવાબવહીમાં આપવાના રહેશે. જેને માટે નિરીક્ષક દ્વારા આપને કોમ્પ્યુટરાઈઝડ ખાસ **પ્રકારની જવાબવહી** આપવામાં આવશે. ઉમેદવારને જવાબવહી મળ્યા બાદ જો તેઓ દ્વારા તેનો નાશ કરવામાં આવશે કે ગુમ કરવામાં આવશે તો ઉમેદવાર ફોજદારી ગુનાને પાત્ર બનશે. સૌ પ્રથમ આપે જવાબવહી ઉપર દર્શાવેલ નિયત ખાનામાં (English) અંગ્રેજીમાં પરીક્ષાનં નામ, પરીક્ષાની તારીખ, કેન્દ્ર, જન્મતારીખ, પરીક્ષાર્થીનું નાય (અટક પહેલાં લખવી), રોલ નંબર (બેઠક નંબર) તથા વિષય ફક્ત ભૂરી (Blue) અથવા કાળી (Black) શાહીની બોલપેનથી (English) અંગ્રેજીમાં લખીને નિયત ખાનામાં પોતાની સહી કરવાની રહેશે. આ વિગતોની ચકાસણી બાદ નિરીક્ષક તેમની સહી કરશે. જો વિગતો ભરવામાં નહિ આવે તો આપની જવાબવહીનું મુલ્યાંકન કરવામાં આવશે નહિ અને શૂન્ય ગુણ આપવામાં આવશે. જવાબવહીના પાછળના ભાગમાં રોલ નંબર (બેઠક નંબર), પ્રશ્નપુસ્તિકા સીરીઝ અને પ્રશ્નપુસ્તિકા નંબરના ખાનામાં લાગુ પડતી સાચી વિગતો ફક્ત ભૂરી અથવા કાળી શાહીની બોલપેનથી જ વર્તુળ પૂરેપૂર્ંડાર્ક કરીને (encode) કરીને આપવી.

(07) આ પ્રશ્નપત્રના બધા પ્રશ્નો હેતુલક્ષી છે. દરેક પ્રશ્નના ઉત્તરમાં A, B, C, D વિકલ્પો આપેલા છે. તેમાંથી સાચો વિકલ્પ શોધી જવાબવહીમાં સંબંધિત પ્રશ્નના ક્રમ નીચે આપેલ A, B, C કે Dના વર્તુળને પૂરેપૂરુ ભૂરી/કાળી શાહીની બોલપેનથી ડાર્ક કરવું. આ સિવાયની કોઈ પણ કલરની શાહીની બોલપેનથી જવાબો આપ્યા હશે તે જવાબવહી તપાસવામાં આવશે નહિ અને આપોઆપ "શૂન્ય" ગુજ્ઞ આપવામાં આવશે. એકવાર ડાર્ક કરેલ જવાબને બદલી શકાશે નહિ.

ઉદાહરણ તરીકે :

ભારતનું કયું રાજ્ય સૌથી લાંબો દરિયા કિનારો ધરાવે છે ?

(A) (B) (D)

- (A) મહારાષ્ટ્ર
- (B) તામીલનાડુ
- (C) ગુજરાત
- (D) આંધ્રપ્રદેશ
- આ ઉદાહરણમાં સાચો જવાબ (C) છે. આથી (C)નું વર્તુળ ડાર્ક (encode) કરેલ છે. ઉમેદવારોએ જવાબમાં "ગુજરાત" લખવું નહિ.
- (08) એક જ પ્રશ્ન માટે જો જવાબવહીમાં એકથી વધુ વિકલ્પ આપે આપેલા હશે તો તે જવાબ માટે ગુણ આપવામાં આવશે નહિ.
- (09) આ જવાબવહી કોમ્પ્યુટર દ્વારા તપાસવાની હોવાથી તે વળે, ફાટે કે બગડે નહિ તેની ખાસ કાળજી રાખવી. પ્રશ્નપુસ્તિકામાં કોરી જગ્યામાં રફકામ કરવું. તે માટે અલગ કાગળ આપવામાં આવશે નહિ. જવાબવહીમાં કંઈ પણ રફવર્ક કરવું નહિ. પ્રશ્નપુસ્તિકામાં જવાબો લખવાની મનાઈ છે.
- (10) પ્રશ્નપુસ્તિકાના કોઈ પૃષ્ઠ ફાડવાં કે જુદાં કરવાની મનાઈછે.
- (11) પરીક્ષાખંડ છોડતા પૂર્વે જવાબવહી (OMR Answer Sheet) નિરીક્ષકને સોંપવી, જ્યારે પ્રશ્નપુસ્તિકા ઉમેદવારો લઈ જઈ શકશે.
- (12) આ સૂચનાઓના અનાદર માટે ઉમેદવાર સામે શિક્ષાત્મક કાર્યવાહી કરવામાં આવશે.



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8003 PHYSIOLOGY

1	Deficiency of iron results in					
	(A) Aplastic anemia (B) Megaloblastic anemia					
	(C) Microcytic anemia (D) Normocytic anemia					
2	From the following blood cells which one is the smallest in size					
	(A) Red blood cell (B) Neutrophil					
	(C) Monocyte (D) Small lymphocyte					
3	Leucocytosis occurs due to					
	(A) Repeated exposure to radiations					
	(B) Aplasia of bone marrow					
	(C) Acute bacterial infections					
	(D) Cytotoxic drug administration					
4	Clotting factor					
	(A) II is ribrinogen					
	(B) IV is Calcium					
	(C) VII is Fibrin stabilising factor					
	(D) X is Antihemophilic globulin					
5	If blood groups of mother as well as child are 'AB', Father can NOT have					
	(A) 'O' group (B) 'A' group					
	(C) 'B' group (D) 'AB' group					
6	In mismatched blood transfusion					
	(A) Recipients cells are agglutinated and haemolysed					
	(B) Donor's cells are agglutinated and haemolysed					
	(C) There is obstructive jaundice					
	(D) All of the above					
7	Reticulocytes are normally					
	(A) Present in bone marrow but absent in peripheral blood					
	(B) Absent in bone marrow but present in peripheral blood					
	(C) Present in reticulo endothelial cells but absent in periphera blood					
	(D) Present in bone marrow as well as in peripheral blood					

8	Absolute Eosinophil count is						
	(A) Number of eosinophils per 100 W.B.C.						
	(B) Number of eosinophils per ml of blood						
	(C)	Number of eosinoph	ils per	cubic mm of blood			
	(D)	4 to 6 %					
			nabbald				
9	Bleeding time is prolonged in						
	(A)	Hypercalcemia	(B)	Hemophilia			
	(C)	Thrombocytosis	(D)	Purpura			
10	A r	reliable screening test	for pla	telet function is			
	(A)	Prothrombin time	(B)	Clotting time			
	(C)	Clot retraction time	(D)	None of the above			
11	Nor	mal haematocrit valu	e is	manual la contra different			
	(A)	45%	(B)	55%			
	(C)	50%	(D)	60%			
12	Sali	iva contains		(commonth order)			
	(A)	Pepsin	(B)	Ptyalin			
	(C)	Trypsin	(D)	Gastrin			
13	Oed	lema can occur due t	0				
	(A) Increase in blood capillary hydrostatic pressure						
	(B) Decrease in plasma proteins						
	(C)	Increased blood capi	llary pe	rmeability			
	(D)	All of the above	RSI	Cenatione absorance			
14	Ach	alasia is a disorder r	related	to to the first state of the st			
	(A) Speech (A)						
	(B)	Cerebellum					
	(C)	Hydrochloric acid se	cretion	in stomach			
	(D)	Cardiac sphincter of	oesoph	agus			
15	An	important sign of cer		lesion is			
	(A)			Aphasia			
	(C)			A -1-111			
	(-)	- J-FB	(2)				

16	Composition of glomerular filterate is same as				
	(A)	Plasma except plasma proteins			
	(C)	Intra cellular fluid (D) None of the above			
17	Cho	lecystokinin causes			
	(A)	Contraction of gall bladder			
	(B)	Increased secretion of bile by hepatocytes			
	(C)	Increased secretion of pancreatic juice rich in bicarbonate			
	(D)	All of the above			
		the second of the second secon			
18	Pan	creatic juice contains			
	(A)	Ptyalin (B) Pepsin			
	(C)	Lipase (D) Enterokinase			
		the parties to rection and designed 11			
19	Cep	halic phase of gastric secretion is due to			
	(A)	Presence of food in mouth			
	(B)	Inhibition of vagus nerve			
	(C)	Gastric distension			
	(D)	Entero gastric reflex			
	100	(C) Topsia			
20	Whi	ich of the following clearance tests measures renal plasma			
	flow	at said thought of a second of the			
	(A)	Inulin clearance test			
	(B)	Para amino hippuric acid (PAH) clearance test			
*	(C)	Urea clearance test			
		Creatinine clearance test			
21	Nor	mal rate of glomerular filteration is			
	(A)				
	(C)	1.5 l/hr (D) 1.5 l/day			
22	Bile	salts			
		Are synthesised by hepatocytes			
	(B)	Lower surface tension			
	(C)	Are normally absent in urine			
	(D)	All of the above			

23	Pyloric glands of stomach secrete				
	(A) Acid				
	(B) Acid and Pepsin				
	(C) Thin alkaline watery mucin				
	(D) Thick alkaline viscid mucus				
24	Segmentation movement of small intestine				
	(A) Is a wave of contraction followed by a wave of relaxation				
	(B) Is a wave of relaxation followed by a wave of contraction				
	(C) Mainly causes mixing of food				
	(D) Mainly causes propulsion of food				
25	Following hormone is released when duodenal contents become acidic				
	(A) Secretin (B) Gastrin				
	(C) Cholecystokinin (D) Somatostatin				
26	Intra pleural pressure during inspiration becomes				
	(A) More positive				
	(B) More negative				
	(C) Equal to atmospheric pressure				
	(D) Equal to pressure in alveoli				
27	Volume of air in lungs at the end of normal expiration is				
	termed as a symmetric (ii) should be good if				
	(A) Vital capacity (B) Functional residual capacity				
	(C) Residual volume (D) Expiratory reserve volume				
28	Spirometer is useful in measuring all the following EXCEPT				
21	(A) Tidal volume				
	(B) Vital capacity				
	(C) Expiratory reserve volume				
	(D) Total lung capacity				
29	Haemoglobin combined with carbon dioxide is termed as				
	(A) Carboxy haemoglobin (B) Carbamino haemoglobin				
	(C) Reduced haemoglobin (D) Methaemoglobin				
3ZX	N/A] 5 [Contd				
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 (A) In congestive cardiac failure (B) In congenital heart disease (C) In chronic lung disease (D) At high altitude 31 Central chemoreceptors, are mainly stimulated by (A) Decreased blood pO₂ (B) Increased blood pCO₂ (C) Increased blood H+ ion concentration (D) All of the above 32 Vagal stimulation causes all EXCEPT (A) Decrease in heart rate (B) Decrease in blood pressure (C) Broncho dilation (D) Increase in gastric acid secretion 33 When tidal volume is 500 ml, dead space is 150 ml and of respiration is 12 / min; the alveolar ventilation is (A) 1500 ml (B) 2400 ml (C) 4200 ml (D) 5100 ml 	
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(A) 1500 ml (C) 4200 ml (B) 2400 ml (D) 5100 ml	
(C) 4200 ml (D) 5100 ml	
(D) Equal to present in giventi .	
24 Countar gurrant evaluation existen operates at	
54 Counter current exchanger system operates at	
(A) Glomerular capillaries (B) Vasa recta	
(C) Loop of Henle (D) Collecting ducts	
35 Water reabsorption in proximal convoluted tubules	
(A) Is under control of anti diuretic hormone	
(B) Varies so as to regulate water balance	
(C) Is about 60% of glomerular filterate	
(D) All of the above	
and the state of t	
36 Hypothalamohypophyseal portal system	
(A) Controls hormones of posterior pituitary	
(B) Controls hormones of anterior pituitary	
(C) Carries ADH and oxytocin to posterior pituitary	
(D) None of the above	

37 Acromegaly

- (A) Occurs in adults
- (B) Causes enlargement of membranous bones
- (C) Increases blood glucose level
- (D) All of the above

38 About oxytocin following is true, EXCEPT

- (A) Is released during labor when there is stretch on cervix
- (B). Causes milk secretion from lactating mammary gland
- (C) Causes contraction of myoepithelial cells of lactating mammary gland
- (D) Is regulated by positive feed back mechanism during labor

39 Thyroid hormone

- (A) Reduces appetite
- (B) Increases fat deposition in adipose tissue
- (C) Decreases rate of glycolysis
- (D) Promotes growth of brain during early fetal life

Goitre means 40

- (A) Enlarged thyroid gland
- (B) Hyperthyroidism
- (C) Deficiency of thyroid stimulating hormone
- (D) All of the above

41 Sympathetic stimulation causes

- (A) Constriction of pupil
- (B) Contraction of detrusor muscle
- (C) Constriction of arterioles and veins
- (D) All of the above

42 Following are the actions of glucocorticoids, EXCEPT

- (A) Increase gluconeogenesis
- (B) Promote utilization of fatty acids for energy purpose
- (C) Increase blood glucose level
- (D) Prevent ketosis

Decreased secretion of aldosterone results in

- (A) Cushing's syndrome (B) Addison's disease
- (C) Adrenogenital syndrome (D) Myxedema

Pol	ydipsia is
(A)	Excessive urine formation
(B)	Excessive eating of food
(C)	Excessive drinking of water
(D)	FIRST 971 14 325 103
3.12	theat orecord following is true, ENTRIT
Sor	natostatin and a make makel puzzula homolom al ch
(A)	
(B)	Stimulates secretion of insulin and glucagon
(C)	Is secreted by delta cells of islets of Langerhans
(D)	the state of the s
Vit	amin D
(A)	Is converted to 25-hydroxycholecalciferol in kidneys
(B)	Is converted to 1,25-dihydroxycholecalciferol in live
(C)	Acts as a hormone when 1,25-dihydroxycholecalcife
	formed
(D)	All of the above
(2)	
٠.	Statement through plants. (A.
••	rathyroid hormone
• •	rathyroid hormone Is a steroid
Par	rathyroid hormone Is a steroid
7 Par (A) (B)	rathyroid hormone Is a steroid
(A) (B) (C)	rathyroid hormone Is a steroid Increases calcium excretion in urine
(A) (B) (C) (D)	Is a steroid Increases calcium excretion in urine Increases calcium deposition in bones Increases calcium absorption from intestine
(A) (B) (C) (D)	Is a steroid Increases calcium excretion in urine Increases calcium deposition in bones Increases calcium absorption from intestine
(A) (B) (C) (D)	Is a steroid Increases calcium excretion in urine Increases calcium deposition in bones Increases calcium absorption from intestine ficiency of vitamin d results in Rickets (B) Osteoporosis
(A) (B) (C) (D)	Is a steroid Increases calcium excretion in urine Increases calcium deposition in bones Increases calcium absorption from intestine ficiency of vitamin d results in Rickets (B) Osteoporosis
7 Par (A) (B) (C) (D) 8 De (A)	Is a steroid Increases calcium excretion in urine Increases calcium deposition in bones Increases calcium absorption from intestine ficiency of vitamin d results in Rickets (B) Osteoporosis
7 Par (A) (B) (C) (D) 8 De (A) (C)	Is a steroid Increases calcium excretion in urine Increases calcium deposition in bones Increases calcium absorption from intestine ficiency of vitamin d results in Rickets (B) Osteoporosis Tetany (D) Osteoarthritis
7 Par (A) (B) (C) (D) 8 De (A) (C) 9 Os (A)	Is a steroid Increases calcium excretion in urine Increases calcium deposition in bones Increases calcium absorption from intestine ficiency of vitamin d results in Rickets (B) Osteoporosis Tetany (D) Osteoarthritis

(C) Cholecalciferol

Tetosterone

(D) Calcitonin

50

Hypercalcemia is caused by

51	Decreased hypothalamic function causes decreased levels of all, EXCEPT				
90	(A) Growth hormone (B) Prolactin				
	(C) ACTH (D) TSH				
52	Most potent mineralocorticoid secreted is				
	(A) Cortisol (B) 11-deoxycorticosterone				
	(C) Aldosterone (D) Androgens				
53	In diabetes mellitus				
	(A) Urine volume is 1 litre in a day				
	(B) Ketone bodies in blood are increased				
	(C) Specific gravity of urine is 1010				
	(D) None of the above				
-1	The world planed pales and EVCEDT				
54	Thyroid gland releases all, <u>EXCEPT</u>				
	(A) Thyrocalcitonin (B) T4				
	(C) T3 (D) TSH				
55	Thirst is initiated by injecting hypertonic saline in which area				
	of hypothalamus				
	(A) Supraoptic nucleus (B) Preoptic nucleus				
8	(C) Paraventricular nucleus (D) Posterior hypothalamus				
56	Hormone associated with cold adaptation is				
	(A) Melanocyte-stimulating hormone				
	(B) Growth hormone				
	(C) Insulin a favoragent to societize consensus and a state				
	(D) Thyroxine				
57	Life span of sperm in female genital tract is				
	(A) 1-2 min (B) 1-2 hrs				
	(C) 1-2 days (D) 1-2 months				
	46 Process of the following in using is the house of green				
58	All the statements about descent of testes are true, EXCEPT				
	(A) Failure of descent of testes is called cryptorchidism				
	(B) Normal spermatogenesis fails to occur in undescended testes				
	(C) Temperature of testes is higher in scrotum				
8	(D) Hormone testosterone is responsible for the descent				

59	Test	tosterone secretion is controlled by			
	(A)	Spermatogenesis			
	(B)	Luteinising hormone			
	(C)	Follicle stimulating hormone			
	(D)	All of the above			
60	Hormone which is directly responsible for puberty changes in				
	mal	es is			
	(A)	Gonadotropin releasing hormone			
	(B)	Gonadotropic hormone			
	(C)	Testosterone			
	(D)	None of the above			
61	Hor	mone responsible for preovulatory phase of ovarian cycle			
	(A)	LH (B) FSH			
	(C)	Progesterone (D) None of the above			
62	Irre	spective of the duration of ovarian cycle, ovulation always			
	(A)	14 days after onset of menstruation			
	(B)	14 days before onset of next menstruation			
	(C)	Exactly during mid cycle			
	(D)	All of the above			
63	Fertile period of female sexual cycle is				
	(A)	During menstrual phase			
	(B)	First 8 days after menstrual phase			
	(C)				
	(D)	4 days before initiation of menstrual phase			
64	Rise in body temperature by 0.5 degree F in postovulatory phase				
		lue to			
	(A)	Oestrogen (B) Progesterone			
	(C)	FSH (D) All of the above			
65	Presence of the following in urine is the basis of pregnancy				
	1920x124	Contract to the series of the			
	(A)	Oestrogen			
	(B)	Progesterone and alkali arean garanteen la market (d)			
	(C)				
	(D)	Human chorionic gonadotropin			
37Y	N/A1	10 IContd			

- 66 Following statements are true for corpus luteum, EXCEPT (A) Secretes progesterone (B) Increases in size and life span during pregnancy (C) Is responsible for ovulation (D) Is essential for maintenance of pregnancy during first trimester 67 After vasectomy (A) There are no sperms in semen (B) There is no testosterone secretion (C) Male secondary sexual characters disappear (D) All of the above During action potential opening of activation gates of Na+ 68 channels causes (A) Depolarisation (B) Repolarisation (C) Positive after potential (D) Negative after potential 69 Saltatory conduction (A). Requires more energy (B) Has faster rate of conduction (C) Occurs in unmyelinated nerve fibre (D) All of the above Depolarisation in a nerve fibre is due to (A) Na+ ion influx (B) K+ ion influx (C) K+ ion efflux (D) Na+ ion efflux Chronaxie is minimum in 71 (A) Skeletal muscle fibre (B) Cardiac muscle fibre (C) Large myelinated nerve fibre (D) Small unmyelinated nerve fibre
- 72 Among the muscles
 - (A) Smooth muscle has poorly developed sarcoplasmic- T tubular system
 - (B) Cardiac muscle has one T- tubule per sarcomere
 - (C) Skeletal muscle is most excitable
 - (D) All of the above

73	"C"	group nerve fibres		one standard parents are	
	(A)	Are of large diameter		(A) Services people (A)	
	(B)	Have slowest rate of	condu	ction	
	(C)	Carry impulses from	Ruffin	i's end organs	
	(D)	Supply Meissner's corp	puscle	Sin not inches and all ((i))	
74	"A	gamma" type of nerve	fibres	supply	
-	(A)	Extrafusal skeletal m	ascle	fibres	
	(B)	Intrafusal fibres of.m	uscle	spindle	
	(C)	Annulospiral endings	of mu	scle spindle	
	(D)	Smooth muscle fibres		med recommendate for	
*					
75	Neu	rotransmitter at neuro	muscu	lar junction is	
	(A)	Epinephrine	(B)	Norepinephrine	
	(C)	Serotonin	(D)	Acetylcholine	
		mostinie all (
76	Unidirectional conduction is seen in				
	(A)	Motor nerve fibres	(B)	Sensory nerve fibres	
	(C)	Synapse	(D)	All of the above	
77	Resting membrane potential in SA nodal fibres is				
	(A)	-90 mv	(B)	+49 mv	
	(C)	Stable	(D)	Unstable and the UA MA	
78	Inot	tropic effect in heart r	elates	to me an endandering in a mot	
	(A)	Excitability of cardiae	muse	cle matri see was (A)	
	(B)	Heart rate			
	(C)	Conduction speed of o	ardia	impulse	
	(D)	Force of contraction of		rt sugainta al ausare 15 m	
	D	·lilo			
79		ring cardiac cycle	od dan	ring isometric contraction phase	
	(A)			the beginning of rapid ejection	
	(B)	phase	u at t	the beginning of rapid ejection	
	(C)		valves	s produces second heart sound	
	3 15			(A) Securi mede banga	
	(-)	Control of the Contro			
80	Nor	mal ejection fraction is	3		
	(A)			60%	
	(C)		(D)		
	1				

- 81 Stroke volume is
 - (A) Volume of blood ejected out by left ventricle in 1 sec
 - (B) Volume of blood ejected out by each ventricle in 1 heart beat
 - (C) Volume of blood ejected out by right ventricle in 1 min
 - (D) Difference in volume of blood ejected out by left and right ventricles
- 82 Within physiological limits venous return to the heart
 - (A) Decreases heart rate
 - (B) Increases cardiac output
 - (C) Decreases systolic blood pressure
 - (D) None of the above
- 83 Heart rate
 - (A) Increase is known as bradycardia
 - (B) Increases with increase in vagal tone
 - (C) Is low in hyperthyroidism
 - (D) Is low in athletes under resting condition
- 84 P wave of ECG occurs
 - (A) Before atrial contraction begins
 - (B) At the end of atrial contraction
 - (C) At the beginning of ventricular contraction
 - (D) At the end of ventricular contraction
- 85 Mary's law states that
 - (A) Heart rate is directly proportional to blood pressure
 - (B) Blood pressure is directly proportional to heart rate
 - (C) Heart rate is inversely proportional to blood pressure
 - (D) Blood pressure is inversely proportional to heart rate
- 86 During exercise all changes occur, EXCEPT
 - (A) Increased sympathetic tone to heart
 - (B) Increased vagal tone to heart
 - (C) Increased respiration
 - (D) Vasodilatation in exercising muscles

	(A)	A hormone with the beautiful beautiful to append with	
	(B)	An enzyme way as two beared, boold so amirle?	
		A powerful vasoconstrictor	
17.170	(D)	All of the above	
88	Firs	et heart sound	
	(A)	Is produced due to closure of semilunar valves	
	(B)	Is best heard in aortic area	
	(C)	Has higher pitch than second heart sound	
	(D)	None of the above	
		December symbol blood presents	
89	Core	onary blood flow is maximum in	
	(A)	Rapid ejection phase	
	(B)	Slow ejection phase	
	(C)	Isometric contraction phase	
	(D)		
90	Whi	ich of the following has fastest rate of impulse co	nduction
	(A)	Atrial muscle fibres	
	(B)	AV Nodal fibres	50
	(C)	Ventricular muscle fibres	
	(D)		
		continuation retainment by both add the	
91		erior spinothalamic tract carries sensation of	
	(A)	Crude touch (B) Fine touch	
		Pain and temperature (D) Vibration	
menen		Blood pressure is directly propositional to leave a	
92		spinal cord	
		Posterior horn cells are motor	
	(B)	Anterior horn cells are sensory	
		Anterior horn cells are of alpha and gamma typ	
	(D)	All of the above	
Western Co.			
93		lowing is an example of monosynaptic reflex	
	(A)	Withdrawal reflex (B) Stretch reflex	
	(C)	Golgi tendon reflex (D) Righting reflex	
3ZX	N/A]	14	[Contd

87

Renin is

94	Thalamus is sensory relay station for all, EXCEPT					
	(A)	Visual sensation (B) Auditory sensation				
	(C)	Olfactory sensation (D) Proprioception				
95	Increase in Salivary secretion at the sight of food is					
	(A)	Conditioned reflex				
	(B)	Unconditioned reflex				
	(C)	Is due to vagus nerve				
	(D)	None of the above				
96	In h	nemisection of spinal cord, below the level of lesion there is				
	(A)	Loss of pain and temperature sensations on the same side				
	(B)	Loss of deep sensations on opposite side				
	(C)	Upper motor neurone lesion on the same side				
	(D)	Lower motor neurone lesion on the opposite side				
97	Parl	kinson's disease is due to damage of				
٠.	(A)	Putamen				
	(B)	Globus pallidus				
	(C)	Dopaminergic cells of substantia nigra				
	Yan Sales and	All of the above				
	(2)	The of the thore				
98	Delt	a waves in EEG occur during				
		Deep sleep (B) Light sleep				
		REM sleep (D) Awake state				
99	Following is a superficial reflex					
		Knee jerk (B) Abdominal reflex				
	3-3	Micturition reflex (D) Enterogastric reflex				
100	Low	er motor neuron lesion is associated with				
	(A)	Loss of touch sensation				
	(B)	Hypotonia				
	(C)	Exaggerated tendon relex				
	(D)	Rigidity				

SPACE FOR ROUGH WORK

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