Time: 3 Hours Marks:75

20M

Q. 1 Attempt all multiple-choice questions (MCQ)

	ipt an matapic-enoice questions (MCQ)	201	2011
Sr No	Questions		Options
1	The only movable bone of the skull is	a	Maxilla
		b	Mandible
		С	Temporal bone
4		d	Frontal bone
2	Plasma membrane is made up of	a	A protein, a lipid and a cellulose layer
		b	A protein layer between two lipid layers
		С	A lipid layer between two protein layers
		d	Bimolecular lipid layer surrounded by protein layers
3	In the electrocardiogram, the	a	T wave is due to repolarization of the ventricles
		b	RT interval is related to ventricular action potential duration
		С	R-R interval normally varies during the respiratory cycle
		d	All of the above

4	For Cardiac output identify the false statement	a	Is normally expressed as the output of one ventricle in litres/minute
		b	May not increase when heart rate rises
O Do		С	Usually rises when a person lies down
		d	Does not increase in exercise following denervation of the heart
5	Nervous tissue is not found in	a	brain
		b	tendons
		c	nerves
		d	spinal cord
6	The study of joints is known as	a	Archaeology
3		b	Arthrology
		c	Osteology
4		d	Anthropology
7	is called the "Graveyard" of RBC.	a	Thymus
3	Oligies Printer 18th Jake United		ERING SOLVERY WEELDING V
	SKEPLO, OLDLIED, SEPLE, SEOLOGIE	b	Spleen
	STORES RESIDENCES CONTRACTOR CONT	С	Kidney

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N.			
	SALES ESTOTO TOPOSE SESTE	d	Stomach
8	Arterioles	a	Have a smaller wall:lumen ratio than have arteries
		b	Play a major role in regulating arterial blood pressure
		С	Have a larger total cross-sectional area than do the capillaries
		d	A and C
9	Involuntary oscillatory eye movements (nystagmus)	a	Do not occur in healthy people
		b	May result from cochlear disease
		c	Occur in cerebellar disease
		d	Both A and B
10	The Purkinje tissue cells in the heart (identify the false statement)	a	Conduct impulses faster than some neurones
		b	Are larger than ventricular myocardial cells
		c	Lead to contraction of the base before the apex of the heart
		d	Are responsible for the short duration of the QRS complex
11	In long-sightedness (hypermetropia)	a	Objects at infinity cannot be focused sharply on the retina

C 1			
		b	Objects at the usual near-point are focused behind the retina
		С	Ciliary muscle contracts more strongly to bring objects in midvisual range into clear focus
		d	Both B and C
12	In the brachial artery	a	Pulse waves travel at the same velocity as blood
	SECIEND SHOOLE LIFETY, STATES	b	Pulse pressure falls with decreasing elasticity of the wall
	ENTOTORNE COLOR DE CO	С	Pressure rises markedly when the artery is occluded distally
		d	Pressure falls when the arm is raised above head level
13	Person with Blood group have Red blood cells that do not contain either A or B antigens on	a	ON THE STREET STREET SON
	their surface.	b	A BAST SHEET THE THE TOTAL THE TENTES OF THE
		С	AB COLUMN SOLVEY
		d	AN STATE OF
14	Thymosin from epithelial cells is secreted by	a	Spleen
		b	Thymus
		С	Lymph node
		d	Lumph
7 0		·	

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	15	is the primary function	a	Helps in transport of gases
		of platelets.		
			b	Protects body from infection
900			c	Prevent and stop bleeding
			d	Acts as a covering
	16	Sympathetic effect on pupil is	a	Dilation
4			b	Constriction
<i>y</i>			c	No change
			d	Pupil turns upward
^	17	is the longest bone in the body.	a	Humerus
			b	Tibia Tibia
			c	Fibula
			d	Femur
	18	Preganglionic fiber neurotransmitter in sympathetic division is	a	Adrenaline
5			b	GABA
			c	Acetylcholine
2			d	Noradrenaline

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N. Y.				
19	Tibia is a bone found in the	a	Skull	
3		b	Leg	000
8		С	Face	
		d	Arm	-
20	The study of the nervous system and its disorder is called	a	Urology	
		b	Herpetology	
		С	Hematology	5
		d	Neurology	A

Q 2.A. Attempt ANY TWO of the followings $(2\times10=20M)$

- i. Explain the Structure of Cardiac Muscle and the Cardiac Conduction System
- ii. Explain the anatomy of the eye. Add a note on the visual projection pathway.
- iii. Classify peripheral nervous system. Write a detailed note on the Parasympathetic nervous system.

Q 2.B. Attempt <u>ANY SEVEN</u> of the followings $(7 \times 5 = 35M)$

- i. Define Tissue, Classify & Explain Location, Structure & Function of Epithelial Tissue
- ii. Define cardiac output. Describe the factors affecting stroke volume.
- iii. Classify bones. Explain structure of the long bone.
- iv. Discuss the anatomy and physiology of spleen.
- v. Give functional classification of Joints. Explain the structure of Synovial Joint.
- vi. Describe the properties and types of Sensory Receptors.
- vii. Explain the regulation of Heart Rate. Describe autonomic and chemical regulation of heart rate.
- viii Compare and contrast autonomic nervous system and somatic nervous system.
- ix. Define Blood. Give composition of blood with the help of schematic representation. Give functions of blood.

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