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- c) Hydrolytic activity
- d) Catalytic activity
- (ix) Select the correct answer: Rough Endoplasmic Reticulum has
 - a) Cell wall
 - b) Golgi bodies
 - c) Ribosomes
 - d) Lysosomes
- (x) Select the correct location of cardiac muscle:
 - a) Epicardium
 - b) Endocardium
 - c) Myocardium
 - d) Abdomen
- (xi) Select the correct answer: Microtubules are made up of
 - a) Protein
 - b) Carbohydrate
 - c) Aglycon
 - d) None of these
- (xii) Identify the correct answer from the following: Strength is provided to plants by tissues known as
 - a) Parenchyma only
 - b) Collenchyma only
 - c) Ground tissues
 - d) Parenchyma and collenchyma
- (xiii) Choose the Coccyx bone is divided into
 - a) 4
 - b) 2
 - c) 3
 - d) 1
- (xiv) Select the correct answer from the following: Hardening of small arteries are termed as
 - a) Arteriosclerosis
 - b) Atherosclerosis
 - c) Cardiac arrest
 - d) Myocardial infarction
- (xv) Select the correct answer from the following: Formation of lipid plaque inside the wall of arteries is known as
 - a) Thrombosis
 - b) Arteriosclerosis
 - c) Atherosclerosis
 - d) Heart attack
- (xvi) Choose the Sacrum bone is divided into
 - a) 5
 - b) 4
 - c) 3
 - d) 2
- (xvii) Select the correct function of Peroxisomes
 - a) Beta-oxidation
 - b) Increase gluconeogenesis
 - c) Formation of bile acids
 - d) All of these
- (xviii) Choose the Sacrum bone is divided into
 - a) 5
 - b) 4
 - c) 3
 - d) 2
- (xix) Select the correct answer : Function of cytoskeleton
 - a) Lipid synthesis
 - b) Oxidation
 - c) Provide structure and shape to the cell
 - d) Destroy cell
- (xx) Choose the correct answer: the function of a tendon is
 - a) To link bones to bones
 - b) To link muscles to bones
 - c) To link muscles to ligaments
 - d) To bind the cells in compact bone closer together

Group-B

(Short Answer Type Questions)

5 x 7=35

- 2. Briefly describe function of ribosome. (5)
- 3. Explain the structure and function of intermediate filaments. (5)
- 4. Describe gap junction. (5)
- 5. Explain the following terms: Hemopoiesis, Erythropoiesis, Fibrinogen, Sister chromatid, Synaptic cleft (5)
- 6. Define blood coagulation with name of factors. (5)
- 7. Describe endocytosis process. (5)

OR

Describe mitochondria.

(5)

8. Explain the function of rough endoplasmic reticulum with proper diagram.

(5)

OR

Explain the structure and functions of plasma membrane

(5)

Group-C

(Long Answer Type Questions)

10 x 2=20

9. Describe anaemia with its types.

(10)

10. Elaborate on the regulation of the cardiac conduction system by the autonomic nervous system.

(10)

OR

Explain the structure and function of skin.

(10)

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