



- Notes :
1. Illustrate your answer necessary with the help of neat sketches.
 2. All questions are compulsory.
 3. Use of pen Blue/Black ink/refill only for writing the answer book.
 4. Solve all questions.

1. MCQ

- 1) According to unit membrane structure, the thickness of plasma membrane is about. **20**
 - a) 35°A
 - b) 20°A
 - c) 75°A
 - d) 100°A
- 2) Smooth Endoplasmic reticulum is well developed in the cells which synthesize.
 - a) Steroids
 - b) Proteins
 - c) Carbohydrates
 - d) All of these
- 3) The clavicle articulates with ----- the scapula.
 - a) Acromion process
 - b) Glenoid cavity
 - c) Acetabulum cavity
 - d) Ball and socket joint.
- 4) Elbow joint is an example of
 - a) Hinge joint
 - b) Gliding joint
 - c) Ball and socket joint
 - d) Pivot joint
- 5) In human beings a typical nerve cell is
 - a) Bipolar
 - b) Apolar
 - c) Multipolar
 - d) Pseudounipolar
- 6) The membranous labyrinth is surrounded by a fluid called.
 - a) Perilymph
 - b) Endolymph
 - c) Cerebrospinal fluid
 - d) Vitreous humor
- 7) Smallest cranial nerve at the body is
 - a) Trigeminal
 - b) Abducens
 - c) Ophthalmic
 - d) Trochlear
- 8) The number of spinal nerves in man is
 - a) 31
 - b) 62
 - c) 12
 - d) 24
- 9) Overproduction at aqueous humour result in
 - a) Astigmatism
 - b) Fovea centralis
 - c) Macula lutea
 - d) Glaucoma
- 10) Cranium protects the brain is made up of
 - a) 9 Bones
 - b) 18 bones
 - c) 28 bones
 - d) 8 Bones
- 11) Blood platelets release
 - a) Fibrinogen
 - b) Prothrombin
 - c) Hemoglobin
 - d) Thromboplastin

- 1) Describe the origin and function of cranial nerves **OR** Structure of human eye. **10**
- 2) Draw the diagram of Heart? Describe in detail the structure of Heart. **10**
- 3) Describe the physiology of muscle contraction. **10**

- 1) Write the structure and function of Golgi bodies and mitochondria.
- 2) Explain the structure and function of sweat gland.
- 3) Explain the physiology of vision.
- 4) What is Blood pressure? How it is regulated.
- 5) Differentiate between Artery and vein.
- 6) Write the mechanism of co-agulation.
- 7) Explain the normal Electrocardiogram.
- 8) Write the significance of Rh factor in transfusions of Blood & blood group.
- 9) Explain the pulmonary circulation of Blood.

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