

11602

**SECOND MID TERM TEST - 2023****STD - XI****ZOOLOGY****MARKS : 35****TIME : 1.30 Hrs****I. Choose the correct Answer.****8 x 1 = 8**

- The bundle of muscle fibres are called
  - Myofibrils
  - Fascicle
  - Sarcomere
  - Sarcoplasm
- Knee joint is an example of
  - Saddle joint
  - hinge joint
  - Pivot joint
  - gliding joint
- The pointed portion of the elbow is
  - acromion process
  - glenoid cavity
  - olecranon process
  - symphysis
- Which structure in the ear converts pressure waves to action potentials?
  - Tympanic membrane
  - Organ of Corti
  - Oval window
  - Semicircular canal
- Assertion(A): The imbalance in concentration of  $\text{Na}^+$ ,  $\text{K}^+$  and proteins generates action potential.  
Reason (R): To maintain the unequal distribution of  $\text{Na}^+$  and  $\text{K}^+$  the neurons use electrical energy.
  - Both A and R are true but the R is the correct explanation of the A.
  - Both A and R are true but the R is not the correct explanation of the A.
  - A is True, but R is false
  - Both A and R are false.
- The abundant intracellular cation is
  - $\text{H}^+$
  - $\text{K}^+$
  - $\text{Na}^+$
  - $\text{Ca}^{++}$
- Which of the following hormone is not secreted under the influence of pituitary gland?
  - thyroxine
  - insulin
  - oestrogen
  - glucocorticoids.
- Which of the following gland is related with immunity?
  - pineal gland
  - adrenal gland
  - thymus
  - Parathyroid gland

**II. Answer any four Questions. Q.No.12 is compulsory****4 x 2 = 8**

- How does an isotonic contraction take place?
- How is tetany caused?
- Why the limbic system is called the emotional brain? Name the parts of it.
- The sense of taste is considered to be the most pleasurable of all senses.
- Specify the symptoms of acromegaly.
- Write the functions of cholecystinin (CCK)

**III. Write any three questions.****3 x 3 = 9**

- What is mean by Foramen magnum?
- Brief account of slow-oxidative fibres?
- What is Mammillary bodies and its function?
- Define Corpus Collasum?
- Comment on Acini of thyroid gland?

**IV. Answer in detail****2 x 5 = 10**

- a) Describe the structure of sarcomere (OR) b) What are the functions of Skeletal system?
- a) Describe the structure of Human brain (OR)  
b) Enumerate the role of Kidney as on endocrine gland.

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