

2021
ZOOLOGY

Paper: ZOO-HC-3026

(ANIMAL PHYSIOLOGY: CONTROLLING AND COORDINATING SYSTEMS)

Full Marks: 20

Time: One hour

Answer ^{Four} ~~any five~~ of the following questions.

(5×4=20)

1. Explain the structure of compact bone.
2. How an impulse is propagated through a nerve fibre? Distinguish between conduction in myelinated non-myelinated nerve fibre.
3. Write the type of different epithelial tissue and their structure and function.
4. Name the major muscle protein involved in muscle contraction. Explain their role in molecular basis of muscle contraction with the help of sliding filament theory.
5. What is a sarcomere? Explain it with suitable diagram.
6. Define spermatogenesis. Explain the process of spermatogenesis with diagram.

7. Write about blood components of blood and their function?
