

M.Sc. (Zoology) Semester - 3 (CBCS) Examination
Oct/Nov. -2019 - [NEW COURSE]
Mammalian Physiology (Core (New))

Time: 2:30 Hours**Marks: 70****Instructions:**

1. All questions are compulsory.
 2. Figures to the right indicate marks.
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SECTION -1

- Que.1 Answer the following. (14)
(A) Write in detail about physiology of human digestive system.
(B) Explain Kidney and its functioning in detail.
- Que.2 Answer the following. (14)
(A) Explain functioning of heart in detail **OR** Comparative anatomy of heart.
(B) Describe Blood corpuscles, haemopoiesis and plasma function.
- Que.3 Answer any seven out of eight. (14)
1. What is physiology?
2. What are the applications of physiology?
3. Which activities are performed at Bowman's capsule?
4. What is tubular secretion?
5. Name salivary glands and its position in human.
6. What is the function of glomerulus?
7. Draw a basic unit of kidney and label all parts.
8. Write in short about types of excretion.

SECTION -2

- Que.4 Answer the following. (14)
(A) Explain in detail about any two endocrine glands and its functioning.
(B) Describe reproductive processes.
- Que.5 Answer the following. (14)
Explain structure and physiology eye in detail with diagram.
- Que.6 Answer any seven out of eight. (07)
1. What will happen if urine formation stops in human body?
2. What is haemopoiesis?
3. Which gland is endocrine as well as exocrine in function?
4. Draw cochlea.
5. How cone cell and rod cell differ?
6. What is cardiac cycle?
7. What is the role of hemoglobin?
8. How Central and peripheral nervous system differs?
