

M.Sc. Semester - 3 (CBCS) Examination
Oct/Nov. - 2018
Zoology - 314 Mammalian Physiology (Core)

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

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

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- Que-1 Answer the following. (Any seven out of ten question) (14)
- (1) What is the role of diaphragm during respiration?
 - (2) Name a few protein digesting enzymes.
 - (3) Which activities are performed at capillary beds?
 - (4) Which are some skin glands?
 - (5) Comment on location of salivary glands in human.
 - (6) What is the function of Bowman's capsule?
 - (7) Which glands are present on the skin? Draw and label any one.
 - (8) What is the importance of studying physiology?
 - (9) Draw a nephron and label all parts.
 - (10) Write in short about types of muscle.
- Que-2 Answer the following. (Any two out of three) (14)
- (1) Give detailed account of spermatogenesis or oogenesis with diagram.
 - (2) Write short note on physiology of human digestive system.
 - (3) Explain physiology of excretion.
- Que-3 Answer the following. (14)
- (1) Explain functioning of heart in detail.
 - (2) Describe the events involved in oxygen transport.
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- Que-3 Answer the following.
- (1) Explain short note on CO_2 transport.
 - (2) Write short note on circulatory system of humans.
- Que-4 Answer the following. (Any two out of three) (14)
- (1) Explain how aquatic animals manage their osmotic regulation.
 - (2) Describe the role of lymphatic system.
 - (3) What is thermoregulation? Explain in detail with examples.
- Que-5 Write short note on any two out of four. (14)
- (1) Write short note on sense of hearing.
 - (2) Describe the physiology of "Sense of smell".
 - (3) Explain sense of taste in detail.
 - (4) Write short note on sense of vision.
