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Sardar Patel University

M. Sc. Integrated Biotechnology Examination, First Semester

Monday, 27th April, 2015

10:30 a.m. to 01:30 p.m.

Subject: Animal Sciences, Code: PS01CIGB04

Total Marks: 70

- Notes: - 1) Figures to the right indicate marks.
2) Draw neat and labeled diagram, wherever necessary.

Q.1 Choose the Correct Answers of the Following. [08]

- _____ phylum animals known as pore bearing animals.
a) annelida b) porifera c) arthropoda d) mollusca
- Mammary glands are found in _____ class of animals.
a) mammals b) aves c) reptile d) amphibian
- The tissue which provide covering or lining to organs known as _____.
a) muscle b) epithelial c) connective d) nervous
- Which fibre is elastic in nature?
a) white b) yellow c) green d) none of these
- Amoeba feeds with the help of _____.
a) tentacles b) pseudopodia c) cillia d) none of these
- Which type of blood vessels carries oxygenated blood in the body?
a) veins b) arteries c) cirri d) compound veins
- Sasan Gir sanctuary made for the protection of _____ animal.
a) tiger b) wild ass c) lion d) leaped
- Malaria caused by _____ insect.
a) Mosquito b) moth c) house fly d) honeybee

Q.2 Answer the following in short. (Attempt Any Seven) [14]

- Outline the distinguishing characters of class crustacea.
- Give the characters of class Aves.
- Draw the flow chart of different types of connective tissue.
- Draw a neat and labeled diagram of bone.
- Narrate the skeletal muscles with suitable diagram.
- Define: symbiotic and parasitic nutrition.
- Write a difference between open and close type of circulatory system.
- Enlist the direct use of mammals.
- Narrate the preventing measures of control of Malaria.

Q.3 (A) Describe the general characters of class Reptilian with examples. [06]

(B) Mention the general characters of phylum mollusca with examples. [06]

OR

(B) Enlist the general characters of phylum protozoa. [06]

Q.4 (A) Define the term epithelial tissue and Explain any two epithelial tissues with a neat and labeled diagram. [06]

(B) Describe the structure of white fibrous and yellow fibrous connective tissues with suitable diagrams. [06]

OR

(B) Explain the generalized structure of neuron with suitable diagram. [06]

Q.5 (A) Define asexual reproduction and explain the fission and budding formation in animals. [06]

(B) Explain osmoregulation in freshwater animals with suitable diagram. [06]

OR

(B) Write a note on development of blood vascular system in animals. [06]

Q.6 (A) Explain Symptoms, Diagnosis, Treatment, Prevention and Control of AIDS. [06]

(B) Describe the use of mammalian products. [06]

OR

(B) Write a note on "Biosphere reserves". [06]
