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Seat No : _____

No. of Printed Pages : 02

SARDAR PATEL UNIVERSITY
S. Y. B. Sc. (THIRD SEMESTER) EXAMINATION

2019

TUESDAY, 26TH NOVEMBER

Time: 2.00 p.m. to 5.00 p.m.

US03CBIO22 (BIOLOGY)

(APPLIED ZOOLOGY)

- Note: 1. Answers of all the questions (including multiple choice questions) should be written in the provided answer book only
2. Figures to the right indicate the full marks of sub question
3. Draw neat and labelled diagrams wherever necessary

Maximum Marks: 70

Q. 1. Multiple choice questions

(10)

1. _____ constituent is maximum in honey.
a. Dextrose b. Levulose c. Maltose d. Water
2. Lac insects secrete lac for _____.
a. Protection b. Food c. Reproduction d. Attracting microbes
3. One of the worst diseases of silkworm is _____.
a. Carotid artery b. Pulmonary artery c. Coronary artery d. Phrenic artery
4. Animals developing the ability to live on tree is called _____ adaptation.
a. Scansorial b. Cursorial c. Volant d. Aerial
5. Burrowing adaptation is also known as _____ adaptation.
a. Fossorial b. Scansorial c. Volant d. Cave
6. *Tse tse fly* is a vector/carrier animal for _____ parasite.
a. *Trypanosoma* b. *Dracunculus* c. *Taenia* d. *Schistosoma*
7. *Ancylostoma duodenale* is commonly known as _____.
a. Pinworm b. Hookworm c. Roundworm d. Earthworm
8. Periyar wildlife sanctuary is situated in _____ state.
a. Uttar Pradesh b. Meghalaya c. Kerala d. Maharashtra
9. Gir sanctuary in Gujarat is famous for _____.
a. Asiatic lions b. African lions c. Bengal tiger d. One horned Rhino
10. Indian one horned Rhino is conserved in _____ National Park.
a. Corbett b. Kaziranga c. Vansada d. Marine



(P.T.O.)

- Q. 2. Answer the following questions in short (Any Ten)** (20)
1. Give details about species of honey bees.
 2. What is button lac? What is shell lac?
 3. Give details of diseases found in poultry
 4. Give two examples of Batesian mimicry
 5. What is Camouflage? Explain it with example.
 6. How intertidal animals adapt themselves to change in salinity?
 7. Name the disease caused by *Leishmania* and *Ancylostoma* with symptoms.
 8. Draw a neat and labelled diagram of *Trypanosoma*.
 9. Give details of sexual dimorphism in *Ascaris*
 10. Enlist any four wildlife organizations
 11. What is a Biosphere reserve?
 12. Name National Parks of Gujarat.
- Q. 3. a. Write in detail about preservation and processing of fishing.** (07)
b. Draw a neat and labelled diagram of typical movable hive. (03)
- OR**
- Q. 3. a. Write in detail about grainage management for rearing of silkworm.** (07)
b. Mention about precautions for hatching of chicks. (03)
- Q. 4. Explain in detail about cursorial adaptations** (10)
- OR**
- Q. 4. Write a detailed note on Dessert animal adaptations.** (10)
- Q. 5. a. Write a detailed note on pathology, prevention and control of Leishmaniasis** (06)
b. Write a short note on *Enterobius*: pathogenesis, treatment and control (04)
- OR**
- Q. 5. a. Describe the life cycle of *Ascaris lumbricoides* briefly** (06)
b. Write briefly about *Balantidium coli* (04)
- Q. 6. a. Explain in detail about Importance of wildlife** (06)
b. What are the causes of destruction? (04)
- OR**
- Q. 6. a. Describe different methods for wildlife conservation** (06)
b. Write about Indian Elephant and Asiatic Lion (04)

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