

[68]

SARDAR PATEL UNIVERSITY
S. Y. B.Sc. 3rd SEMESTER EXAMINATION

4th January, 2021, Monday

2.00 PM to 4.00 PM

Applied Zoology(US03CBIO22)

Total Marks-70

Note: All the questions are compulsory
Draw the necessary diagrams

Q.1. Find the correct answer and write it in the answer sheet

[10]

1. Rock bee is about _____ mm.
a. 06 b. 66 c. 20 d. 30
2. One queen lays upto _____ eggs in a day.
a 15000-20000 b 1500-2000 c 150-200 d 15-20
3. Temperature between _____ is found best inducer for spawning of fishes.
a. 10-30°C b. 20-25°C c. 15-20°C d. 24-32°C
4. Liver with high oil content is cut into very small pieces and cooked at _____.
a. 80-85°C b. 85-90°C c. 60-70°C d. 40-60°C
5. Burrowing adaptation is also known as _____ adaptation.
a. Fossorial b. Scansorial c. Volant d. Cave
6. Dessert adaptation is having _____ type of skin.
a. Hyposcopic b. Hydrosopic c. Hygroscopic d. Both A & B
7. *Tse tse fly* is a vector/carrier animal for _____ parasite.
a. Balantidium b. Leishmania c. Trypanosoma d. Plasmodium
8. Infective stage of *Balantidium coli* is _____.
a. Trophozoite b. Larva c. Nymph d. Merozoite
9. Periyar wildlife sanctuary is situated in which state?
a. Uttar Pradesh b. Meghalaya c. Kerela d. Manipur
10. Tiger project was launched in India in _____.
a. 1973 b 1975 c 1978 d 1990

[1]

[P.T.O.]

Q.2 State the statement as true or false.

(08)

1. Too much grain feeding is very helpful to fowls. (True/False)
2. Honeybee belong to class insecta. (True/ False)
3. In Ranikhet disease birds become weak and die within 4-5 days. (True/False).
4. The scientific name of Asiatic Elephant is Elephasmaximus. (True/False).
5. Wildlife Protection Act was made in year 1974. (True/False).
6. Dessert insects are wax proof. (True/False)
7. Scansorial adaptation is also called as arboreal adaptation. (True/False)
8. No drug has been found for trypanosome gambience. (True/ False)

Q-3 Short answer questions (Answer any ten)

(20)

1. Write the economic importance of silk worm.
2. Enlist the composition of lac.
3. Enlist the byproducts of poultry farming.
4. Explain Arboreal adaptation with an example.
5. Define Camouflage with one example.
6. What is protective mimicry? Give one example for it.
7. Give details of sexual dimorphism in Ascaris
8. Write about prevention and control of Trypanosomiasis
9. Mention the symptoms of hookworm disease
10. Difference between Sanctuary and National park.
11. Enlist the methods of wildlife conservation.
12. Enlist four wildlife organizations.

Q.4 Long answer questions (Answer any 4)

(32)

1. Explain in detail the lifecycle of Apis indicus. **(08)**
2. Enlist Indian major carps and explain the type of culture in india. **(08)**
3. Write a note on Dessert animal adaptation. **(08)**
4. Explain in detail about echolocation in bats **(08)**

5. Explain the lifecycle and pathogenicity of *Leishmania donovani*. (08)
6. Explain in detail about lifecycle and pathogenicity of *Ancylostoma duodenale*. (08)
7. Write in detail about wildlife organizations (08)
8. Explain in detail about project Tiger. (08)

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