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205

F.Y.B.Sc SEM I REGULAR OCTOBER 2022

VCD: 021222

CLASS : F.Y.B.Sc (CBZ)

SUB: ZOOLOGY PAPER I

HOUR : 3 HOURS MARKS: 100

NOTE:- 1) All questions are compulsory

2) Figures to the right indicates marks.

3) Draw suitable diagram wherever necessary.

Q. 1A) Fill in the blanks by choosing the correct options given in the bracket. (05)

- a) Horse shoe shaped coral reef is _____. (Fringing, atoll, lagoon)
- b) _____ is a typical desert reptile. (Camel, Toad, Horned Toad)
- c) _____ is a National park. (Bharatpur, Tungabeswar, Gir)
- d) _____ wrote review for film magazine called "Moving Picture Monthly. (Anna Hazare, Baba Amte, Dr. Kurien)
- e) DHARA was launched by _____. (Dr. Khorana, Dr Kurien, Kiran Shaw)

Q.1 B) Match the column I and column II and rewrite (05)

| Column I | Column II |
|----------------------|-----------------------|
| A) Bioluminescence | Birdman of India |
| B) Dr. Salim Ali | Rhinoderma darwinii |
| C) Western Ghats | Gujarat |
| D) Darwin's frog | Glow worm |
| E) Gir National Park | Biodiversity hotspots |

Q. 1 C) State whether True or False. (05)

- a) Platypus is an egg laying mammal.
- b) Annamalai wildlife sanctuary is located in Rajasthan
- c) The term hot spot was introduced by Sabina Virk
- d) The fall of the sparrow is an autobiography of Dr. Kurien.
- e) Anandwan project was known as Forest of Bliss.

D) Answer in one sentence. (05)

- a) Give the fullform of AMUL.

- b) Give full form of IUCN
- c) Define biodiversity hotspot.
- d) Define Regeneration.
- e) Give one desert adaptation.

Q. 2 Answer the following (Any Two)

(20)

- A) Explain in detail Pearl formation.
- B) Explain parental care in mammals with suitable examples.
- C) Explain the type of migration in birds
- D) Write a note on echolocation in Bats and Cetaceans.

Q. 3 Answer the following (Any Two)

(20)

- A) Write a note on Scope and Significance of Biodiversity.
- B) Enumerate and Explain threats to biodiversity.
- C) State the causes of Habitat loss.
- D) Explain biodiversity and add a note on biodiversity hotspot in India.

Q. 4 Answer the following (Any Two)

(20)

- A) Describe the work and achievement of Dr. Khorana
- B) Give an account on White Revolution
- C) Discuss the contribution of Dr. Salim Ali in the field of ornithology
- D) Describe the role of Kiran Mazumdar Shaw in developing BIOCON.

Q. 5. Write short notes (Any Four)

(20)

- A) Regeneration in Earthworm
- B) Mimicry and its Significance
- C) in-situ Conservation
- D) Man wildlife conflict
- E) Gadre fisheries- SURIMI
- F) ANANDWAN Project
- G) Direct use values of Biodiversity
- H) Work and achievement of Anna Hazare