

Anjuman Islam Janjira Degree College of Science
Murud-Janjira, Raigad-402401
Affiliated to University of Mumbai

Class: -F.Y.B.Sc	Subject: - Zoology - I
Semester:- I	Course code: -USZO101
Exam Event:- Additional Exam Summer 2024 (FH)	Marks: -100
Date: - 27/03/2024	Duration: - 03:00 Hours

N.B:

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Use of log-table/nonprogrammable calculator is allowed.
4. Answer for the same question as far as possible should be written together.

Q1. A) Select the correct option and complete the following sentences. (Any five) (5)

1. Dr. Hargobind Khorana and his colleagues discovered.....
 A) RNA Transcription B) Genetic code C) Genetic material
2. In India the first wild life protection act was formed in.....
 A) 1971 B) 1972 C) 1973
3. build snares made up of silk fibers coated with mucus.
 A) Glow Worm B) Firefly C) Noctiluca
4. The earth summit 1992 was held in
 A) Geneve B) Japan C) Rio de Janario
5. is a typical desert reptile.
 A) Camel B) Toad C) Horned Toad

Q.1 B) Match the Column I and II and rewrite. (5)

	Column I		Column II
(a)	Horse shoe shape coral reef	(i)	Biocon
(b)	Baba Amte	(ii)	Tamil Nadu
(c)	Wall Lizard	(iii)	Somnath
(d)	Kiran Mujumdar	(iv)	Atoll
(e)	Madhumalai Wild life Sanctuary	(v)	Autotomy

Q.1 C) State whether True or False. (5)

1. Man with a billion-liter idea was of Baba Amte.
2. Cryopreservation is conservation at low temperature in liquid nitrogen.
3. In earthworm, the Clitellum and sexual organs are not regenerated.
4. Annamalai wildlife sanctuary is located in Rajasthan.
5. In Sea horse parental care is exhibited by the female.

Q.1 D) Answer in one sentence only. (5)

1. What is Autotomy?
2. What is the full form of UNEP?
3. What is genetic diversity?
4. Define the term Endemism.
5. Who established the Gadre Fisheries in Ratnagiri?

Q. 2 A) Explain parental care in mammals with suitable example. (10)

OR

A) What is a Coral reef? Describe the types of Coral reefs.

B) Write short notes on any two. (10)

- a) Batesian mimicry in butterflies.
- b) Pearl formation in Molluscs.
- c) Regeneration in Annelida.
- d) Desert adaptations in Phrynosoma.

Q. 3 A) What are hotspots? Explain Western Ghats as biodiversity hotspots in India. (10)

OR

A) Enumerate direct and indirect values of biodiversity.

B) Write short notes on any two. (10)

- a) In-Situ conservation of biodiversity.
- b) Threats to biodiversity.
- c) Convention on Biological Diversity.
- d) Scope of biodiversity

Q. 4 Answer any two of the following. (20)

- a) Work and achievements of Dr. Varghese Kurian.
- b) Life sketch of Baba Amte
- c) Describe the establishment of Biocon
- d) Explain the contribution of Dr. Salim Ali as bird man of India.

Q. 5 Write short notes on any four. (20)

- a) Significance of national park in conservation.
- b) Work and achievements by Dr. Hargobind Khorana.
- c) Echolocation in bats.
- d) Habitat loss.
- e) Water man of India.
- f) Noctiluca and angler fish