

Janki Devi Bajaj Government Girls College, Kota

Monthly Test

M. Sc. Sem-IV

Subject: Zoology

Paper-I (Animal Behaviour)

Maximum Marks: 15

Very short questions (one mark each)

Q. 1 Define Klinokinesis?

Q. 2 What is temper tantrum?

Q.3 Define imprinting?

Q. 4. What do you mean by term conditioned reflex?

Q. 5. Define latent learning?

Short questions (2.5 marks each)

Q. 6 Explain neural mechanism of learning?

Q. 7 Describe briefly neuroanatomical control of behaviour?

Long answer questions (Five marks each)

Q. 8 Explain the role of hypothalamus in the regulation of behavioural patterns

or

Describe various types of taxes?

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Paper-II (Developmental Biology of Chordates)

Maximum Marks: 15

Very short questions (one mark each)

1. Define gametogenesis?
2. Write function of Spemann's primary organiser?
3. What is cell differentiation?
4. Write two functions of mammalian placenta?
5. Define senescence's?

Short questions (2.5 marks each)

6. Explain Oogenesis?
7. Explain morphogenetic movements?

Long answer questions (Five marks each)

8. Describe regeneration and types?

or

Describe Extra-embryonic membranes in amniotes?

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Paper-III (Forestry and Wildlife Management-I)

Maximum Marks: 15

Very short questions (one mark each)

1. What is wildlife conservation?
2. Name two insectivores.
3. Define bio magnification.
4. Write the full form of CITES.
5. What do you mean by molecular markers?

Short questions (2.5 marks each)

6. Write short notes on-

- a) Project Tiger b) Project Rhino relocation c) Project Indian bustard

7. What are the general methods of poaching in India?

Long answer questions (Five marks each)

8. Explain various toxicological testing methods

OR

What are the methods of collection of physical and biological evidences from a crime scene?

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Paper-IV (Forestry and Wildlife Management-II)

Maximum Marks: 15

Very short questions (one mark each)

1. What is GIS?
2. Define tourism.
3. Name two animal snares.
4. What do you mean by Sono-taxonomy?
5. When and where was the first radio telemetry study conducted in India?

Short questions (2.5 marks each)

6. Explain the principles of remote sensing techniques in wildlife management.
7. What are the various tools used for drug immobilisation?

Long answer questions (Five marks each)

8. Write a detailed note on ecotourism in India.

Or

Explain in detail the principles of bio-acoustics.