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BTPS–033

INTEGRATED TEACHER EDUCATION PROGRAMME (ITEP)

(BSCBED)

Term-End Examination

June, 2026

(Zoology)

BTPS-033 : ANIMAL DIVERSITY

Time : 3 Hours *Maximum Marks : 100*

Note : *(i) All questions are compulsory.*

(ii) Draw suitable diagrams wherever applicable.

1. Fill in the blanks with appropriate words : 5×2=10

(i) Acoelomates are characterized by the complete ..... of a fluid filled ..... .

(ii) A true coelom is lined by ..... derived from ..... .

(iii) Flatworms are ..... but lack ..... .

(iv) Protochordates are ..... chordates that lack ..... .

(v) Urochordates are named because their notochord is found exclusively in the ..... of their ..... .

2. State whether the following statements are True (T) or False (F) : 5×2=10

(i) Phylum porifera possess a highly specialized nervous system.

(ii) Flame cells are specialized excretory structures in flatworms.

(iii) Roundworms are characterized by a pseudocoelom.

(iv) Annelids are the first group of animals to exhibit true metamerism.

(v) Arthropods exhibit a closed circulatory system.

3. Write short notes on any *four* of the following : 4×5=20

   (i) Cridocytes

   (ii) Ecdysis

   (iii) Epitoky

   (iv) Spermatophores

   (v) Radular apparatus

   (vi) Torsion

   (vii) Aristotle's lantern

4. Differentiate between any *three* of the following : 3×10=30

   (i) Monoplacophora and Polyplacophora

   (ii) Spiral and Radial Cleavage

   (iii) Cartilagenous and Bonyfish

   (iv) Apposition and Superposition Vision

   (v) Anamniote and Amniote Egg.

5. Attempt any *two* of the following : 2×15=30

(i) Describe the polymorphism in cnidaria with suitable diagram.

(ii) Explain the life cycle of *Taenia solium* with a suitable diagram.

(iii) With the help of a diagram, describe the different types of amoeboid locomotions.

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