



PG – 515

I Semester B.Sc.-M.Sc. (Integrated Course) Degree Examination,  
December 2017/January 2018

(CBCS)

BIOLOGICAL SCIENCES

IBS 102 : Systematics and Diversity of Invertebrates

Time : 3 Hours

Max. Marks : 70

*Instruction : Illustrate wherever necessary.*

SECTION – A

1. Explain **any ten** of the following in **3-5** sentences. (10×2=20)
- a) Nomenclature
  - b) Rotifers
  - c) Spicules
  - d) Scolex
  - e) Merozoites
  - f) Lingual
  - g) Bipinnaria larva
  - h) Torsion
  - i) Brain Coral
  - j) Tube-feet
  - k) Seed lac
  - l) Mariculture.

SECTION – B

Write critical notes on **any four** of the following : (4×5=20)

- 2. Principles of classification.
- 3. Diversity of Annelids.
- 4. Life cycle of fresh water mussel.

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5. General characters of Cheatognatha.
6. Salient features of Coelenterata.
7. Polymorphic individuals of termite colony.
8. Vermiculture.

SECTION – C

Give a comprehensive account on **any two** of the following :

**(2×15=30)**

9. Economic importance, products and biproducts of silkworm.
  10. Coral and coral reefs.
  11. Characteristics and classification of Mollusks.
  12. Life cycle of *Taenia solium*.
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