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## MONTHLY TEST - JULY 2024 STANDARD - 11 BIOLOGY

Time: 1.30 hours

Marks: 50

### Bio - Botany

Marks : 25

5×1=5

#### I. Choose the best answer:

- 1) Identify the Archaeobacterium
 

a) Acetobacter	b) Erwinia
c) Methano bacterium	d) Treponema
- 2) \_\_\_\_\_ are act as pollution indicators.
 

a) Banyan tree	b) Lichens	c) Pisum	d) Euglena
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- 3) 3 families of Gymnosperms are
 

1) Cycadopsida	2) Coniferopsida	3) _____	
a) Gnetopsida	b) Algapsida	c) Bryopsida	d) Pteridopsida
- 4) Select the mismatch pair.
 

a) Musa - Unicostate	b) Lablab - Trifoliolate
c) Acalypha - Leaf mosaic	d) Allamanda - Ternate phyllotaxy
- 5) In \_\_\_\_\_ leafbase become broad, thick and swollen. It is known as pulvinus.
 

a) Grass	b) Lotus	c) Bamboo	d) Legume
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#### II. Answer any three of the following questions about one or two sentences:

3×2=6

- 6) What is Virion?
- 7) What is plectostele? Give an example.
- 8) Define Mycorrhizae.
- 9) Draw and label the parts of regions of root.
- 10) Write the general characteristic features of pteridophytes.

#### III. Answer any three of the following questions about three or five sentences : (Question No. 14 is compulsory)

3×3=9

- 11) Write the living and non living characters of viruses.
- 12) Describe the economic importance of Bryophytes.
- 13) Differentiate between Angiosperms and Gymnosperms.
- 14) What is respiratory root? Give an example.
- 15) What are uses / functions of members in Lichen?

#### IV. Write detailed answer to the following question:

1×5=5

- 16) Describe the five kingdom classification.

(OR)

Explain the tap root modifications with diagram.

2

**Bio - Zoology**

XI - Biology

**Marks : 25****I. Answer all the questions:****5×1=5**

- 1) Who coined the term biodiversity?
  - a) Walter Rosen
  - b) AG Tansley
  - c) Aristotle
  - d) E.D. Wilson
- 2) The prokaryotes capable of growing in salty environment
  - a) extremophiles
  - b) halophiles
  - c) methanogens
  - d) pathogens
- 3) The limbless amphibian is
  - a) Ichthyophis
  - b) Hyla
  - c) Rana
  - d) Salamander
- 4) Name the respiratory organ of Mollusca.
  - a) Ctenidia
  - b) Green gland
  - c) Book lungs
  - d) Trachea
- 5) The ciliated epithelium is not found in
  - a) skin
  - b) small bronchioles
  - c) fallopian tubes
  - d) uterus

**II. Answer any three questions:****3×2=6**

- 6) What is the difference between zoo and wild life sanctuary?
- 7) What is cladogram?
- 8) What are flame cells?
- 9) Why flatworms are called acoelomates?
- 10) Differentiate white adipose tissue from brown adipose tissue.

**III. Answer any three questions.****3×3=9****Question No. 15 is compulsory.**

- 11) What are the significance of taxonomy?
- 12) List three features that characterise bony fishes.
- 13) Differentiate between chordates and non-chordates.
- 14) Explain the types of cell junctions.
- 15) What is meant by tissue fluid? What is its composition?

**IV. Answer any one question:****1×5=5**

- 16) What are the general characters of mammals?

**(OR)**

- 17) Name any four important functions of epithelial tissue and provide at least one example of a tissue that exemplifies each function.
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