# JKBOSE
# QUESTION PAPERS

Jammu & Kashmir Board of School Education



Roll No. .....

**Z–10–Z**

Total No. of Questions : **16]** [Total No. of Printed Pages : **4**

# 11th ARM(SZ)JKUT2024

# 1210–Z

# BOTANY

## (BIOLOGY)

**Time : 1.30 Hours]** **[Maximum Marks : 35**

**Section–A** 1 each

Very Very Short Answer Type Questions :

1. Conjoint and closed vascular bundles with no phloem parenchyma may be observed in :

(A) Monocot Stem

(B) Monocot Root

(C) Dicot Stem

(D) Dicot Root

2. Binomial nomenclature means :

(A) One name given by two scientists

(B) One name comprising a generic and a specific epithet

(C) Two names, one latinised, other of a person

(D) Two names, one scientific other local

3. Non-albuminous seed is produced in :

(A) Maize

(B) Castor

(C) Wheat

(D) Pea

4. The largest herbarium in India is located in :

(A) National Botanical Garden, Lucknow

(B) Lloyd Botanical Garden, Darjeeling

(C) Indian Botanical Garden, Sibpur, Howrah

(D) Forest Research Institute, Dehradun

5. The net gain of ATP during glycolysis is :

(A) Six

(B) Eight

(C) Two

(D) Four

## Section–B

2 each

Very Short Answer Type Questions to be answered in **20** to **30** words :

6. Define Viruses. What are Viroids ?

7. Write general characteristics of Roots.

8. Write distinct characters of Fungi.

9. Give *two* differences between Vascular Bundles of Monocot and Dicot Stems.

10. Name *three* basic tissue systems in the Flowering Plants.

## Section–C

3 each

Short Answer Type Questions to be answered in **100** to **150** words :

11. How is five-kingdom classification advantageous over two-kingdom classification ?

12. Why bryophytes are called amphibians of plant kingdom ?

13. Explain in 2-3 lines each of the following terms :

(i) Differentiation

(ii) De-differentiation

(iii) Re-differentiation

14. Give an account of distinguishing features of Family Solanaceae.

15. Briefly describe conditions necessary for growth.

**Section–D** 5 each

Long Answer Type Questions to be answered in **150** to **200** words :

16. What are the important events and end products of Light Reaction ?

*Or*

Describe Chemiosmotic Production of ATP.

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