

JAI SAKTHI METRIC HIGHER SECONDRY SCHOOL



Std: 12

Medium: English

Mark - 25

Time- 45 Mins

BIO BOTANY

Part - I

CHOOSE THE CORRECT ANSWER:

5X1=5

1. Match the correct answer:

- | | |
|----------------------------|--------------------|
| I. External Fertilization | - (i) pollen grain |
| ii. Antroecium | - (ii) anther wall |
| iii. Male gametophyte | - (iii) algae |
| iv. Primary parietal layer | - (iv) stamens |

- | | | | |
|------------|--------|---------|---------|
| (a) I. iv | II. i | III. ii | IV. iii |
| (b) I. iii | II. iv | III. I | IV. ii |
| (c) I. iii | II. iv | III. ii | IV. i |
| (d) I. iii | II. i | III. iv | IV. ii |

2. Assertion: Sporopellein is resistant to physical and biological decomposition

Reason: sporopollenin preserves pollen in fossil deposits.

- (a) The Assertion is true ; reason is false
 (b) The Assertion is false; reason is true
 (c) Both assertion and reason are not true
 (d) Both assertion and reason are true

3. Transmitting tissue is found in

- (a) Micropylar region of value
 (b) Pollen tube wall
 (c) Stylar region of gynoecium
 (d) Integument

4. Assertion (A) : parthenocarpy which arises due to mutation is called

Parthenocarpy

Reason (R) : seedless fruits are useful for the preparation of jams.

- (a) Both (A) and (R) are true and (R) is the correct explanation of (A)
 (b) Both (A) and (R) are true and (R) is not the correct explanation of (A)
 (c) (A) is true ; (R) is false
 (d) (A) is false ; (R) is true

5. Choose the odd man out

- a. Runner b. Rhizome c. Corm d. Bulb

Part II

Answer any three questions and Question No 9 Compulsory

5X2=10

6. List out two sub – aerial stem modification with examples?
7. What is an epiphyllous bud?
8. Differentiate monoecious and Dioecious?
9. Draw and Label the part of the Embryo Sac?

Part III

Answer any three questions and Question No 12 Compulsory

5X3=15

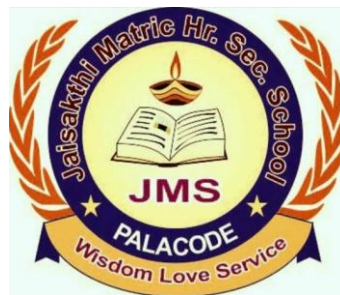
10. What is Layering?
11. The Endosperm of Angiosperm is different from gymnosperm? Do you agree justify your answer?
12. What you mean by Cleistogamy?
13. Draw and label the parts of the Flower?

Part IV

Answer any one of the following Questions

1X5=5

14. Differentiate the Structure of Dicot and Monocot seed?
15. Write a note on Contrivances of cross pollination?



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