# KOMARASAMY GOUNDER MAT.HR.SEC.SCHOOL - VETTAYAMPLAYAM

# KOMARASAMY GOUNDER MAT.HR.SEC.SCHOOL – VETTAYAMPALAYAM

# **UNIT TEST: 1**

# XII - STANDARD ENGLISH MEDIUM

PART - A  LCHOOSE THE CORRECT ANSWER: 10 X1 = 10  1. In which layer of anther wall is short lived a) Epidermis b) Endothecium c) Middle layer d) Tapetum  2. In Majority of plants pollen is liberated at a) 1 celled stage b) 2 celled stage c) 3 celled stage d) 4 celled stage 3. Find the correct example of Epihydrophily a) Valisneria b) Zostera c) Ceretophyllum d) Maize  4. A plant called X possesses small flower with reduced perianth and versatile anther.the probable agent for pollination would be a) Water b) Air c) Butterflies d) Beetles  5. Find the mis-matched pair: a) Salvia - Lever mechanism b) Aristolochia - Trap mechanism c) Papilionaceae - Clip mechanism d) Asclepiadaceae - Clip mechanism.  6. Which of the following represent megagametophytes a) Ovule b) Embryosac c) Nucellus d) Endosperm  7. Which of the following is not a endospermous seed. a) Wheat b) Mango c) Maize d) Sunflower  8. Arrangement of anther wall from locus to periphery	BOTANY(Portion unit	:1) DATE :27.06.22		
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a) Epidermis ,Middle layer , tapetum,endothecium	a) Epidermis ,Middle layer , tapetum,endotl	hecium		
b) Tapetum , Middle layer , Epidermis , Endothecium	b) Tapetum , Middle layer , Epidermis , Ende	othecium		

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- c) Endothecium, Epidermis, Middle layer, Tapetum
- d) Tapetum, Middle layer, Endothecium, epidermis
- 9. An example of cleavage polyembryony.
  - a) Aristolochia
- b) Ulmus
- c) Balanophora
- d) Orchids

- 10. An Eminent Indian embryologist is
  - a) S.R.Kashyap

b) P. Maheshwari

c) M.S.Swaminathan

d) K.C.Mehta.

#### PART - B

### **II.ANSWER ANY "SIX" OF THE FOLLOWING:**

6 X 2 = 12

- 11. What is Archesporium?
- 12. What is Tetrasporic and give an example?
- 13. What is Phalaenophily?
- 14. Draw the structure of Amphitropous Ovule.
- 15. Define Herkogamy.
- 16.Adetached leaf of Bryophyllum produces new plant. How?
- 17. Pollination in Gymnosperm is differ from Angiosperm. Give reasons.
- 18. Write a note on Pollenkitt.

#### PART - C

### **III.ANSWER ANY "SIX" OF THE FOLLOWING:**

 $6 \times 3 = 18$ 

QUESTION NUMBER "23" IS COMPULSORY.

- 19. List out the functions of tapetum.
- 20. Write the characteristic feature of wind pollinated flowers.
- 21. Explain the different type of pollen entry with the help of its diagram.
- 22.To tabulate the post fertilization structure and events of the following.
  - i. Ovary

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- ii. Ovule
- iii. Nucellus
- iv.Secondary nucleus
- 23. Draw the structure of ovule and label the parts.
- 24. Write the significance of Parthenocarpy.
- 25. What is Polyembryony. How it can commercially exploited.

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**JULY 2022** 

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 ${\bf 26.~`Endothecium~associated~with~dehiscence~of~anther''. Justify~the~statement.}$ 

# <u>PART - D</u>

# **IV.ANSWER THE FOLLOWING:**

 $2 \times 5 = 10$ 

27. Describe the structure of Monocot seed.

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What is Endosperm. Explain the types.

28. Describe the development of Monosporic embryosac.

0r

Describe Grafting.

3 JULY 2022

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