

**MODEL QUARTERLY EXAMINATION-1**

**CLASS-XI**  
**MARKS- 35**

**SUBJECT: BIO-BOTANY**  
**TIMING- 90 MINUTES**

**SECTION-1**

**Note: Answer all the questions**

**8x1= 8**

**Choose the appropriate answer from the given four alternative and write the option code and the corresponding answer.**

1. which of the following organism reproduce by budding?

- A).Hydra.      B) Yeast.      C) Planaria.      D ) both a& b

2.Funaria, Polytrichum and Sphagnum is example for\_\_\_\_\_

- A)Hepaticopsida    B)Anthocerotopsida    C) Bryopsida      D) all the above

3.match the following

1. Bryophytes. -1. Shiv Ram Kashyap  
2. Pteridophytes - 2. thallus  
3. Gymnosperm-3. haplodiplontic lifecycle  
4. Algae      - 4. diplontic life cycle.

- A) 1(2). . 2(3). 3(4). 4( 1)  
B) 1(2) 2( 4). 3(3. 4(1)  
C) 1(1), 2(3) 3(4) 4(2)  
D) 1(1). 2( 4). 3(3). 4( 2)

4.example for breathing root( respiratory root)\_\_\_\_\_

- A) Avicennia, Rhizophore  
B) Bruguiera rhizophora  
C) Avicennia, Raphnus.  
D) Pistia & eichhornia

5.find out incorrect pair

- A) Phyllode- petiole      B) Phylloclade- stem  
c) Rhizome- underground stem      D) Potato- adventitious root

6.  $\boxed{\text{Br Br1} \oplus \text{K} \begin{matrix} \text{♂} \\ \text{♀} \end{matrix} \text{C}_{(5)} \text{A}_{(5)} \text{G}_{(5)}}$  Is floral formula of \_\_\_\_\_

- A) Phyllanthus amarus  
B) Cocos nucifera  
C) Ixora coccinea  
D) Hibiscus rosa-sinensis

7.mango is differ from tomato in \_\_\_\_\_

- A) Hard seed coat    b) Hard mesocarp    c)Hard endocarp d) Hard epicarp

8. Madras Herbarium located in \_\_\_\_\_

- A) Madras    b) Chennai    c) Coimbatore    d) Kolkata

### SECTION-2

**Note: answer any four questions. Question no.10 is compulsory**

4x2=8

9. Write Non-living Characters of virus?  
 10. Why do farmers plant leguminous crops in crop rotations/mixed cropping?  
 11. Draw and label the Regions of root.  
 12. What is Lianas? Example  
 13. Differentiate between aggregate fruit with multiple fruit  
 14. How will you distinguish Solanaceae members from Liliaceae members?

### SECTION-3

**Note: answer any three questions. Question no.18 is compulsory**

3x3=9

15. Define: virus, viroids & prions  
 16. Write any 4 characteristic features of bryophytes.  
 17. Draw the floral diagram of Clethra ternata.  
 18. What is the role of national gardens in conserving biodiversity – discuss  
 19. Write the meaning of the following terminology. 1. Staminate, 2. Epipetalous 3. Pollinium.

### SECTION-4

**Note: 1. answer all the question**

2x5=10

**2. Each Question carry 5 marks**

**3. Draw diagram wherever necessary**

20. Who is Christian Gram & explain his procedure.

OR

B) what is algae? Economic importance of Algae?

21. A) explain Adventitious root modification.

OR

B) what is aestivation? Explain its types.