

Rayat Shikshan Sanstha's
Arts Science and Commerce College, Mokhada
SUBJECT BOTANY

**Sample Question Paper for Online Examination, September/October
2020**

Paper II Plant Diversity IV (Semester V)

Time: 1hr.

Marks: 50

N.B. 1. All questions are compulsory.

2. Choose the correct option.

3. All questions carry equal marks.

1. Stem is with 2 types of branches -----.

- a. Gnetum
- b. Ephedra
- c. Cycas
- d. Thuja

2. Gnetum is -----.

- a. dioecious
- b. monoecius
- c. unsixeual
- d. bisexual

3. Ephedra is -----

- a. Gymnosperms
- b. angiosperms
- c. pteridophytes
- d. bryophytes

4. Seeds are naked in---

- a. angiosperms
- b. gymnosperms

c. pteridophytes

d. all above mentioned

5. ----- is dioecious plant.

a. Gnetum

b. Nelumbo

c. Nymphaea

d. Thuja

6. ----- leaves are decussate.

a. Gnetum

b. Cycas

c. Thuja

d. Ephedra

7. The flower is epigynous in----- family.

a. Combretaceae

b. Asclepiadaceae

c. Labiatae

d. Rhamnaceae

8. Pollinia are present in family-----

a. Combretaceae

b. Asclepiadaceae

c. Labiatae

d. Rhamnaceae

9. Follicle type of fruit is present in family -----

a. Combretaceae

b. Asclepiadaceae

c. Labiatae

d. Rhamnaceae

10. *Zizyphus jujuba* is the example of family-----

- a. Combretaceae
- b. Asclepiadaceae
- c. Labiatae
- d. Rhamnaceae

11. Hutchinson system of classification is----- type.

- a. natural
- b. artificial
- c. phyllogenetic
- d. all above mentioned

12. Bilabiate corolla is present in ----- family

- a. Combretaceae
- b. Asclepiadaceae
- c. Labiatae
- d. Rhamnaceae

13. Labellum is present in family-----

- a. Combretaceae
- b. Asclepiadaceae
- c. Labiatae
- d. Cannaceae

14. ----- is nutritive tissue.

- a. epidermis
- b. endothecium
- c. middle layer
- d. tapetum

15 The microspore mother cell is -----

- a. diploid

b. haploid

c. triploid

d. polyploidy

16. Embryosac is -----

a. 7 celled & 8 nucleate

b. 7 celled & 7 nucleate

c. 7 celled & 6 nucleate

d. 6 celled & 7 nucleate

17. When all 4 megaspores take part in development of embryo sac is called -----

a. monosporic

b. bisporic

c. tetrasporic

d. trisporic

18. ----- type of embryo sac is 4 nucleate.

a. oenothera

b. polygonum

c. plumbago

d. pepromia

19. ----- type of fertilization present in the angiosperms.

a. double fertilization and triple fusion

b. double fertilization and double fusion

c. single fertilization and triple fusion

d. single fertilization and double fusion

20. The group of plants that requires plenty of water or they live in the water is known as-----

a. hydrophytes

b. mesophytes

c. xerophytes

d. epiphytes

21 ----- is the example of rooted hydrophyte.

a. *Eichhornia*

b. *Vallisneria*

c. *Nymphaea*

d. *Potamogeton*

22 Halophyte shows character -----

a. pneumatophore

b. papillate leaves

c. root pocket

d. heterophylly

23 The plants which grow on other plant but do not absorb food or water from them is called -

a. hygrophyte

b. mesophyte

c. epiphyte

d. halophyte

24 Xerophytes shows character -----

a. presence of sunken stomata

b. poorly developed root system

c. mechanical tissue absent

d. poorly developed root system

25 Stomata are present on both surfaces of aerial leaves in -----

a. hygrophytes

b. submerged hydrophytes

c. rooted hydrophytes

d. floating hydrophytes

