

TELANGANA UNIVERSITY
S.S.R. DEGREE COLLEGE, NIZAMABAD (C.C:5029)
II SEMESTER INTERNAL ASSESSMENT I EXAMINATIONS
BOTANY QUESTION BANK (FEB – 2025)

Sub: - BOTANY

I. Multiple choice questions.

10 X ½ = 5 Marks

1. Winged pollen grains are found in ()
a. Gymnosperms b. Angiosperms c. Bryophytes d. Pteridophytes

2. Ovuliferous scale of pinus is part of ()
a. Megasporophyll b. microsporophyll c. ovule d. pollen grain

3. The type of polyembryony in pinus is ()
a. cleavage b. synergid c. nucellus d. none of the above

4. The ovule of pinus is naked due to ()
a. absence of integument b. absence of nucellus
c. absence of ovary wall d. absence of ovary

5. Which is the living fossil of gymnosperms ()
a. Gnetum b. Ginkgo c. Pinus d. Cycas

6. Gymnosperms plants are dominant in ()
a. Mesozoic era b. Coenozoic era c. Palaeozoic era d. Archezoic era

7. Where is national botanical research institute is located in ()
a. Hyderabad b. Dehradun c. Lucknow d. Bangalore

8. Embryo, vascularophytes, flower, fruits, and seed containing plants are ()
a. pteridophytes b. Gymnosperms c. Angiosperms d. none of the above

9. In angiosperms inferae series means ()
a. Inferior ovary b. Superior ovary
c. Perigynous ovary d. none of the above

10. Coralloid roots of cycas possess symbiotic association with ()
a. Anabaena b. Chlamydomonas c. Aulosira d. None of the above

11. Gymnosperms are also called softwood spermatophytes because they lack ()
a. Cambium b. Phloem fibres c. Tracheids d. Xylem vessels
12. Who is known as father of taxonomy ()
a. Carl Linnaeus b. Randal c. Bessy d. Candolle
13. Bentham and hooker grouped all angiosperms and gymnosperms in ()
a. 202 families b. 180 families c. 125 families d. 400 families
14. System a nature is ()
a. Publication of Linnaeus b. Institute for publication studies
c. Method to classify organisms d. Evolutionary relationship studies
15. Which of the following sequence is correct according to taxonomy ()
a. class, phylum, family, order, genus, species
b. class, phylum, order, family, genus, species
c. family, phylum, class, order, genus, species
d. phylum, class, order, family, genus, species
16. Genus represents ()
a. an individual plant or animal
b. a collection of plants or animals
c. a group of closely related species of plants or animals
d. none of the above
17. Which of the following suffixes used for unit of classification for the category of family ()
A. ales b. aceae c. phyta d. opsida
18. Which of the following gymnosperms is known for its edible seeds ()
a. pinus b. cycas c. gnetum d. ginkgo
19. The leaves in gymnosperms are ()
a. Broad and flat b. Needle like c. Thin and membranous d. Thick and fleshy
20. What is the name of the process by which gymnosperms produce pollen grain ()
a. Microsporogenesis b. Megasporogenesis c. Embryogenesis d. Sporogenesis

II. Fill in the Blanks.

10 X ½ = 5 Marks

1. Define ICBN _____
2. Winged pollen grains are found in _____
3. The development of several embryos from a single zygote in pinus is called _____
4. Turpentine and resins are obtained from _____
5. Which is the largest unit of time _____
6. Mention the eras of geological time scale _____
7. What is Shenzhen code _____
8. Expand APG _____
9. What is phylogenetic classification _____
10. Mention three series of polypetalae class _____
11. Nodal bracts fuse together to form a cup like structure is called _____
12. What is anemophily _____
13. Expand BSI _____
14. Gymnosperms comes from word gymnospermos it means _____
15. The most abundant extant group of gymnosperms is _____
16. The order of gnetum is _____
17. Artificial system of classification was proposed by _____
18. Binomial nomenclature was proposed by _____
19. What are the types of fossils _____
20. Which type of classification was proposed by bentham and hooker _____

III. Short Questions.

5 X 1 = 5 Marks

1. What is diatomite ?
2. What is taxonomy ?
3. Describe about engler and prantle system of classification ?
4. Write any two applications of gymnosperms ?
5. What is palaeobotany ?
6. Write the systematic position of pinus ?
7. Write the systematic position of gnetum ?

8. What are the economic importance of gymnosperms ?

9. What is dimorphic leaves?

10. What is the name of the book written by K.R. Sporne?