

TELANGANA UNIVERSITY
S.S.R. DEGREE COLLEGE, NIZAMABAD (C.C:5029)
II SEMESTER INTERNAL ASSESSMENT- II EXAMINATIONS (APRIL-2025)

Sub: - BOTANY

Time : 30 mts

Max. Marks : 20

Name of the Candidate _____ H.T.No. _____

Date : _____ Marks secured _____ Examiner signature _____

I. Multiple choice questions.

10 X ½ = 5 Marks

1. Ruminant endosperm is the character of which family (a)
a. Annonaceae b. Capparidaceae c. Fabaceae d. Malvaceae
2. Rhizomes of ginger, turmeric are the modifications of (b)
a. Root b. stem c. leaves d. None
3. The advanced family according to Engler and Prantle in dicots is (c)
a. Fabaceae b. Lamiaceae c. Asteraceae d. Apiaceae
4. The most useful family to human beings in monocotyledonae (d)
a. Orchidaceae b. Fabaceae c. Liliaceae d. Poaceae
5. Ocimum sanctum plant belongs to (b)
a. Fabaceae b. Lamiaceae c. Verbenaceae d. Amaranthaceae
6. The family fruit of Rutaceae is (b)
a. Berry b. Hesperidium c. Drupe d. Lodicule
7. Energy flow from producers to carnivores. the energy is maximum in (c)
a. Herbivores b. Secondary carnivores c. Producers d. Primary carnivores
8. Multi-layered epidermis with cuticle is an ecological adaptation of (b)
a. Hydrophytes b. Xerophytes c. Mesophytes d. None
9. In ecological succession from pioneer to climax stage the biomass will be (a)
a. Increase continuously b. decreases c. Increase and decrease d. None
10. Plants that grow in water (b)
a. Mesophytes b. Hydrophytes c. Xerophytes d. None
11. Cyathium inflorescence is present in which family (b)
a. Annonaceae b. Euphorbiaceae c. Fabaceae d. Lamiaceae

- 12) The Common name of poaceae is (c)
 a. pea family b. Custard apple family c. Grass family d. Spurge family
- 13) Amla is rich in vitamin (c)
 a) Vitamin A b. Vitamin B c. co vitamin d. Vitamin D
14. sunflower belongs to which family (a)
 a) Asteraceae b. Apiaceae c. Asclepiadaceae d. Amaranthaceae
- 15) Spinach belongs to which family (a)
 a. Amaranthaceae b. orchidaceae c. Poaceae d. Zingiberaceae
- 16) Poly petalae means (a)
 a. free petals b. Fused petals c. Free or Fused petals d. None
- 17) Castor oil is obtained from the seeds of (b)
 a. Jatropha Curcas b. Ricinus Communis c. Emblica officinalis d. Acalypha indica
- 18) which plant is called as bio-diesel plant (c)
 a. Acalypha indica b. phyllanthus niruri c. Jatropha Curcas d. Hevea braziliensis
- 19) What is an attribute of the organism that enables the organism to survive and reproduce in its habitat called (b)
 a. Homeostasis b. Adaptation c. Migration d. Hibernation
- 20) Why do plants need to adapt (c)
 a. To survive b. To Protect c. Both d. None of these

II. Fill in the Blanks.

10 X ½ = 5 Marks

1. Define the numerical Taxonomy Classification of organisms based on numerical values
2. Botanical name of watermelon Citrulus lanatus
3. Papilionaceous corolla is character of which family Fabaceae
4. Write down the examples of zingiberaceae family Ginger, Turmeric
5. Gamopetalae means Fusion of Petals
6. Write down the biotic components of ecosystem Plants, Animals
7. Define food chain linear sequence of organisms that eats other organism
8. How many plant successions are there in our syllabus Two
9. Mention two examples of Hydrophytes Pistia, Eicchornia
10. The scientific name of rice Oryza sativa

11. Plants grow on land are called as Terrestrial plants
12. The scientific name of mango is Mangifera indica
13. Hydrosere means Ecological Succession that occurs in wet areas
14. Xerosere means Ecological succession that occurs in dry areas
15. Define mesophytes Plants that thrive in moderate temperatures
16. Monocotyledons consists 1 cotyledon
17. Dicotyledons consists 2 cotyledons
18. Carrot, coriander belongs to Apiaceae Family
19. Queen of spices Cardamom
20. King of spices Black pepper

III. Short Questions.

5 X 1 = 5 Marks

1. Write down any three examples of fabaceae?
A. Garden pea, Arachis hypogea, cajanus cajan, vigna mungo, vigna radiata
2. Gynobasic style?
A. The style arise from the base of the ovary, where the carpels are fused together
3. Food webs?
A. The interlinking of food chains is called food web
4. Hydrophytic adaptations?
A. Free floating, Submerged
5. Abiotic components of ecosystem?
A. Air, water, soil, Light, Temperature, Nutrients
6. What is Grazing food chain ?
A. A food chain that begins with green plants
7. What is Detritus food chain ?
A. A food chain that begins with dead organic matter
8. Define ecosystem ?
A. Community of living & non – living components
9. What is Ecological succession ?
A. The process of change in the species composition over time
10. What is the scientific name of wheat ?
A. Triticum vulgare

IV. Assignment.

1 X 5 = 5 Marks