

SURENDRANATH COLLEGE
DEPARTMENT OF BOTANY

Gymnosperm Class Test 2 for Second Semester Honours

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Name:.....

Roll No.:.....

1. Sago-grains are chiefly obtained from
A. *Ginkgo biloba* B. *Pinus gerardiana* C. *Cycas revoluta* D. None of these
2. Endosperm in *Cycas* is
A. Haploid B. Diploid C. Triploid D. None
3. Which of the followings is absent in the xylem of *Cycas*?
A. Trachieds B. Parenchyma C. Fibers D. Vessels
4. Which is correct about *Cycas*?
A. xylem has vessels B. It has Circinate vernation C. has female flowers D. Its roots possess some green algae
5. Coralloid roots of *Cycas* are
A. Negatively geotropic B. Positively geotropic C. Positively phototropic D. Negatively phototropic
6. Megasporophyll of *Cycas* is homologous to
A. Carpel B. Stamen C. Petal D. Sepal
7. Stem of *Cycas* contains :
A. Pycnoxylic wood B. Manoxylic wood C. Heart wood D. Porous wood
8. Sago of *Cycas* is given to patients with stomach disorders because it is
A. Cheap B. Easily digestible with less starch C. Tastier D. With high nutritive value
9. How many species of *Cycas* are found in India?
A. 20 B. 4 C. 2 D. 1
10. How many kinds of leaves are found in *Cycas*?
A. 3 B. 2 C. 1 D. 0
11. *Cycas* trunk is covered with:
A. Leaves B. Leaf bases C. Scale leaves D. Both (1) and (2)
12. Inverted 'Omega' (W) shaped arrangement of vascular bundles are found in:
A. *Cycas* leaf B. *Cycas* rachis C. *Cycas* stem D. *Cycas* root
13. Transfusion tissue is found in:
A. *Cycas* leaf B. *Cycas* leaflet C. *Cycas* petiole D. *Cycas* root
14. *Cycas* is:
A. Monoecious B. Dioecious C. Sterile D. None of these
15. How many archegonia develop on one gametophyte of *Cycas*:
A. 1 B. 2 C. 1 - 5 D. 3 - 6
16. The number of prothallial cells in male gametophyte of *Cycas* is :
A. 1 B. 2 C. 3 D. 0
17. Male gametes are largest and visible to naked eyes in :
A. *Cycas* B. *Pinus* C. *Gnetum* D. *Ginkgo*

18. *Cycas* ovule is:
A. Orthotropous and unitegmic B. Orthotropous and bitegmic C. Anatropous and unitegmic D. None of the above
19. Germination of *Cycas* seed is :
A. Epigeal B. Hypogeal C. Both (1) and (2) D. None of these
20. The number of neck canal cells in the archegonium of *Cycas* is/are :
A. 2 B. 4 C. 6 D. 0

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