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GIET UNIVERSITY, GUNUPUR – 765022
M. Sc. (Third Semester) Examinations, December – 2022
20SPSC301- Plant Morphology and Reproduction
(Life Science – Plant Science)

Time: 3 hrs

Maximum: 70 Marks

(The figures in the right hand margin indicate marks.)

PART – A**(2 x 10 = 20 Marks)**

Q.1. Answer ALL Questions

CO# Blooms
Level:1

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|--|---|---|
| a. What is the nutrition in algae? | 1 | 1 |
| b. Define heterotrichous forms of algae? | 1 | 1 |
| c. What do you mean by parasitic fungi? | 1 | 2 |
| d. Define fermentation? | 1 | 2 |
| e. Explain heterospory? | 2 | 2 |
| f. What are cycadofilicales? | 2 | 3 |
| g. Define geological epoch? | 3 | 2 |
| h. What do you mean by pseudo-fossils? | 3 | 2 |
| i. Explain Paris code? | 4 | 1 |
| j. Write on binomial nomenclature? | 4 | 1 |

PART – B**(10 x 5 = 50 Marks)**Answer ANY FIVE questions

- | | Marks | CO# | Blooms
Level |
|---|-------|-----|-----------------|
| 2. a. Give an account of range of thallus organization in chlorophyceae? | 7 | 1 | 2 |
| b. Represent the vegetative reproduction in chlorophyceae? | 3 | 1 | 1 |
| 3.a. Describe the economic importance of fungi? | 7 | 1 | 2 |
| b. Explain with diagram on gametangial Contact? | 3 | 1 | 1 |
| 4. a. Justify the anthocerotales as the connecting link between pteridophytes and bryophytes? | 7 | 2 | 3 |
| b. What are the affinities of marchantiales? | 3 | 2 | 2 |
| 5.a. Discuss on the origin pteridophytes? | 7 | 2 | 1 |
| b. Explain with diagram on a fern prothallus? | 3 | 2 | 2 |
| 6. a. Analyze the cycadofilicales as intermediate group between bryophytes and pteridophyta? | 7 | 3 | 3 |
| b. Explain petrifications? | 3 | 3 | 2 |
| 7.a. Give an account of different process of fossilization? | 7 | 3 | 1 |
| b. Write on economic importance of zingiberaceae? | 3 | 4 | 1 |
| 8. a. Discuss on diagnostic characteristics and economic importance of families rosaceae? | 7 | 4 | 3 |
| b. Write the affinity of family apocynaceae? | 3 | 4 | 2 |

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