M.Sc. 3rd Semester Examination-2022-23

BOTANY

Course ID : 31353 Course Code : BOT/303C (TH)

Course Title : Paleobotany and Bioinstrumentation

Time: 2 Hours Full Marks: 30

The figures in the right hand margin indicate full marks.

Candidates are required to give their answers in their

own words as far as practicable.

Group - A

(Paleobotany)

and the continuous of drift brongstancing to

1. Answer any two questions :

 $1 \times 2 = 2$

- (a) What cast?
- (b) Give an example of a petrified fossil
- (c) What is liquid fossil?

- (a) Differentiate between lithostratigraphic chronostratigraphic correlations. How does the principle of stratigraphy help us in understanding the relative age of rocks? 2+3
- What is endosymbiotic theory? Discuss the evidences in favour of the endosymbiotic theory. 2+3

Answer any one question:

 $8 \times 1 = 8$

- (a) What are the features of Cretaceous-Tertiary transitions? Compare the floral extinctions during Cretaceous-Tertiary transition with that of Permo-Triassic transtion. 3+5
- (b) What is Pearson's color chart? What are the applied aspects of studying fossil plants? Delineate the role of paleoecological studies in understanding biostratigraphical correlations. 1+3+4

1. Answer any two

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- (a) What is cosmic
 - (b) Differentiate b
 - (c) What is nume
 - (d) Write down on
- 2. Answer any one q
 - (a) Write down microscope. H
 - microscopy?
 - (b) What is the role between plant a
- recombinant pr 3. Answer any one qu
 - (a) Write short not

ii) Molecular in