

2. Answer **any one** question :

5×1=5

(a) Differentiate between lithostratigraphic and chronostratigraphic correlations. How does the principle of stratigraphy help us in understanding the relative age of rocks ?

2+3

(b) What is endosymbiotic theory ? Discuss the evidences in favour of the endosymbiotic theory.

2+3

Answer **any one** question :

8×1=8

(a) What are the features of Cretaceous-Tertiary transitions ? Compare the floral extinctions during Cretaceous-Tertiary transition with that of Permian-Triassic transition.

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

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1. Answer **any two** q

(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** q

(a) Write short not

ii) Molecular i