

Date FN / AN Time : 3 Hrs. Full Marks 50 No. of Students 09
 Autumn / Spring Semester, 19-2003 Deptt. Geology & Geophysics Sub. No. GG 60009
 1s. Yr. B.Tech. (H) / B.Arch. (H) / M.Sc. ^{M.Tech.} Sub. Name Applied Micropaleontology
 Instruction Attempt any five questions. Marks are indicated against each.

- Q.1 What are calcareous nanoplanktons? How are they formed and what is their life cycle? Write their paleobiogeographic and paleoceanographic importance. -10
- Q.2 What are Pteropods? Write their ecology, paleoecology and paleoceanographic importance. -10
- Q.3 Describe habitat, reproduction and nutrition of radiolaria. Write their application to ancient sediments. -10
- Q.4 Write short notes on any two 5x2=10
 (i) marine diatoms
 (ii) phosphatic microfossils
 (iii) organic-walled microfossils
- Q.5 What are different applications of micropaleontology to hydrocarbon exploration? Give a case study. -10
- Q.6 How micropaleontology is helpful in engineering and economic geology? Give a case study. -10