

Part B
Answer the following
Answer should not exceed 400 words or two pages

5 X 6=30

- 11.a. Write a note on Embryogeny in living gymnosperms.
(or)
11.b. Differentiate between Gymnosperms and Angiosperms.
- 12.a. Comment on coralloid root in *Cycas*.
(or)
12.b. Explain the embryogenesis in *Pinus*.
- 13.a. Give a brief note on female strobilus of *Gnetum*.
(or)
13.b. Enumerate the mechanism of pollination in *Gnetum*.
- 14.a. Write the techniques of fossil study.
(or)
14 b. Discuss the Geological history of the Gymnosperms.
- 15.a. Write a note on anatomy of *Lepidodendron*.
(or)
15.b. Comment on strobili of *Lepidodendron*.

Part C
Answer the following
Answer should not exceed 800 words or four pages

5 x 12=60

- 16.a. Outline the classification of Gymnosperms with its distinguishing features.
(or)
16.b. Write an essay on economic importance of Gymnosperm.
- 17.a. Describe the structure of female cone in *Cycas*.
(or)
17. b. Discuss the external morphology of *Pinus*.
- 18.a. Give an account of the development of *Gnetum* embryo.
(or)
18. b. Discuss the secondary growth in *Gnetum* stem.
- 19.a. Write an account on different processes of fossilization and it's types.
(or)
19. b. Give an account on Geological time scale.
- 20.a. Analyze about characteristic features of Psilophytales.
(or)
20.b. Explain the morphological and anatomical features and reproductive structures of *Williamsonia*.
