

PSG COLLEGE OF ARTS & SCIENCE
(AUTONOMOUS)

MSc DEGREE EXAMINATION MAY 2018
(First Semester)

Branch -BOTANY

PLANT DIVERSITY !I

Time: Three Hours

Maximum: 75 Marks

SECTION -A (30 Marks)

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Answer ALL questions

ALL questions earn^{5 6 7 8 9 10} EQUAL Marks (5 x 6 ~ 30)

- 1 a Write a brief account on origin of Pteridophytes.
OR
b Compare the reproductive structure of Lycopodiales and Lquisetales.
- 2 a Explain the process of heterospory in Pteridophytes.
OR
b Analyze the economic importance of Pteridophytes.
- 3 a Analyse the origin of Gymnosperms.
OR
b Write the salient features of Pentoxylales.
- 4 a Explain the anatomy of Gnetales stem.
OR
b Write briefly about the sexual reproduction in Coniferales.
- 5 a Give an account on fossil bryophyte.
OR
b Discuss about the types of fossils.

SECTION -B 145 Marks)

Answer any THREE questions

ALL questions carry EQUAL Marks (3 x T 5 = ~45)

- 6 Discuss about the general characters of Pteridophytes.
- 7 Analyze the nature of steles in Pteridophytes.
- 8 Discuss the characteristic features of Pentoxylales.
- 9 Explain the economic importance of Gymnosperms.
- 10 Describe in detail about the geological time scale.

Z-Z-Z

END