



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

B.Sc. DEGREE EXAMINATION – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY

FIFTH SEMESTER – APRIL 2018

PB 5414- PHYTOGEOGRAPHY AND FORESTRY

Date: 08-05-2018
Time: 09:00-12:00

Dept. No.

Max. : 100 Marks

PART – A

(10 x 2 = 20 Marks)

Answer the following, each within 50 words.

1. Define neo-endemics.
2. Distinguish between the terms 'circumboreal' and 'circumastral'.
3. What do you mean by poaching?
4. What is the difference between afforestation and reforestation?
5. Distinguish between coppicing and pollarding.
6. What is tending?
7. Define forest mensuration.
8. What is remote sensing?
9. Comment on ICFRE?
10. Write notes on demand and supply in forest economics.

PART – B

(5 X 7 = 35 Marks)

Answer the following, each within 500 words; Draw diagrams and flowcharts wherever necessary

11. (a) Write short notes on continental drift theory with known evidences.
OR
(b) Comment on the vavilov's centers of origin and diversity of plants.
12. (a) Give a brief account on causes of deforestation.
OR
(b) Explain the biological and chemical control methods to protect forests from destructive agencies like parasitic plants, insect pests and diseases.
13. (a) Briefly write about natural and artificial regeneration of forests.
OR
(b) Describe the structure of a forest nursery.
14. (a) Write briefly about the importance of forest inventory in forest management.
OR
(b) Give an account on minor forest products.
15. (a) Describe the principles of forest economics
OR
(b) Comment on Indian forest policy of 1894 and 1952.

PART – C

(3 X 15 = 45 Marks)

Answer **any three** of the following, each within 1200 words. Draw diagrams and flowcharts wherever necessary

16. Discuss the vegetative zones of the world with special reference to Indian subcontinent.
17. Explain the various *in situ* and *ex situ* conservation methods.
18. Write detailed notes on social forestry.
19. What is forest utilization? Describe the methods of logging, extraction, transport, storage and sale of forest products.
20. Discuss in detail about Indian forest act 1927, Forest conservation act 1980 and Wildlife protection act, 1972.
