



LOYOLA COLLEGE (AUTONOMOUS), CHENNAI – 600 034

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

FOURTH SEMESTER – APRIL 2017

PB 4510- ANGIOSPERM TAXONOMY AND ECONOMIC BOTANY

Date: 21-04-2017
09:00-12:00

Dept. No.

Max. : 100 Marks

PART- A

(10×2=20marks)

Answer the following, each within 50 words.

1. What is palynology?
2. Write notes on alkaloids from plants.
3. Define typification.
4. What is a valid publication?
5. Explain the fruit of cashew nut.
6. What are polygamous flowers?
7. Mention any two economically useful plants of Rubiaceae.
8. What is a corona?
9. Mention the binomial of any four millets.
10. What are narcotics?

PART- B

(5×7=35marks)

Answer the following, each within 500 words. Draw diagrams and flow charts wherever necessary.

11. (a) Distinguish between indented and bracketed keys.
OR
(b) Outline the classification of Linnaeus.
12. (a) How is phytochemistry helpful in plant identification?
OR
(b) Elaborate the role of ICBN.
13. (a) Describe the salient features of Cucurbitaceae. Mention any five economically important plants.
OR
(b) Explain the gynandrophore and androphore of the family Capparidaceae.
14. (a) Discuss the floral variations in Euphorbiaceae.
OR
(b) Explain the floral characters of Orchidaceae.
15. (a) What is timber? Mention the botanical name and family of any 5 timber yielding plants.
OR
(b) Enumerate the source and uses of any 5 essential oils.

PART- C

(3×15=45 marks)

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

16. Outline the classification of Bentham and Hooker. Add a note on its merits and demerits.
17. Write detailed notes on herbarium technique.
18. Give a comparative account on the floral morphology of Annonaceae, Rutaceae and Caesalpinaceae.
19. Explain the vegetative and floristic characters of Poaceae and add a note on its economic importance.
20. Mention the botanical name and family of any five Spices and add a note on its uses and the useful part.
