Total number of printed pages–4

1 (Sem–4/FYUGP) BOT 44 MJ

Anandaram Dhekial Phookan College Library
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2026

BOTANY

(Major)

Paper : BOT4400404MJ

(Plant Resources and Economic Botany)

Full Marks : 45

Time : 2 hours

The figures in the margin indicate full marks for the questions.

1. Answer the following questions : 1×5=5

(a) Nicotine is a natural_____ obtained from the genus_____.

(b) Who coined the term ethnobotany ?

(c) Fiber consists of_____ cell.

(d) Write scientific name of cultivated Jute plant of Assam.

(e) Define IPR.

2. Answer ***any five*** of the following questions : 2×5=10

(a) Describe the importance of traditional knowledge in ethnobotany.

(b) Write scientific name of *two* timber plants of Assam.

(c) Write brief note on millets.

(d) Define crop introductions.

(e) Write about causes of loss of genetic diversity.

(f) Write a note on chemistry of Tea plant.

(g) Economic importance of saffron.

(h) What is clove oil ? What are the uses of clove oil ?

(i) Write morphological characters of coffee plants.

(j) What is Hindustan Center of Origin ?

3. Answer ***any four*** of the following questions : 5×4=20

(a) Write a note on evolution of new crops and varieties.

(b) Describe the scope of ethnobotany.

(c) What is the importance of germplasm diversity ? Define cryopreservation as a method of conservation.

(d) Give a brief account on nutritional importance of rice.

(e) Discuss about the importance of beverage.

(f) Write note on biofuel and its uses.

(g) Write *five* benefits of fennel.

(h) Write note on application of rice grain and straw.

4. Answer ***any one*** of the following questions : 10×1=10

(a) Write a note on classification of plant resources on the basis of their uses.

(b) Describe briefly about the wheat origin, morphology, post-harvest management and uses. 2+2+3+3=10

(c) Write a note on fodder legumes. Discuss about the importance of legumes to man and ecosystem. Why legumes are crucial in economic botany ? 2+6+2=10

(d) Write explanatory notes on : 5+5=10

(i) Economic importance of spices.

(ii) Classification of essential oil, fats and its uses.

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