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G. VENKATASWAMY NAIDU COLLEGE (AUTONOMOUS), KOVILPATTI – 628 502.



UG DEGREE END SEMESTER EXAMINATIONS - NOVEMBER 2024.

(For those admitted in June 2021 and later)

PROGRAMME AND BRANCH: B.Sc., BOTANY

SEM	CATEGORY	COMPONENT	COURSE CODE	COURSE TITLE
IV	PART - III	CORE	U21BO407	ECONOMIC BOTANY AND PLANT RESOURCE UTILIZATION

Date & Session: 14.11.2024/FN

Time: 3 hours

Maximum: 75 Marks

Course Outcome	Bloom's K-level	Q. No.	SECTION - A (10 X 1 = 10 Marks) Answer <u>ALL</u> Questions.
CO1	K1	1.	India is known as home of. a) Vegetables c) Fruits b) Spices and Medicinal d) Flowers
CO1	K2	2.	Cryopreservation is a technique used for. a) Crystallization of food c) Seed saving b) Food packing d) Preservation of excess production of vegetables
CO2	K1	3.	Which is the second most important cereal crop in India? a) Rice c) Barley b) Wheat d) All the above
CO2	K2	4.	Cowpea is probably a native of. a) India c) Central Africa b) China d) None of the above
CO3	K1	5.	Which of the following is a Kharif crop? a) Wheat c) Pumpkin b) Peas d) Groundnut
CO3		6.	The part of the plant that can be used for the treatment of toothache? a) Fennel c) Poppy seeds b) Clove d) Fenugreek
CO4	K1	7.	What is the most expensive type of coffee in the world? a) Espresso c) Kopi Luwak b) Cappuccino d) Americano
CO4	K2	8.	Hemp is an example of fibre belonging to the class. a) Regenerated fibre c) Carbohydrate fibre b) Mineral fibre d) Protein fibre
CO5	K1	9.	Which of the following is not a type of fiber crop? a) Cotton c) Sugarcane b) Jute d) None
CO5	K2	10.	Which of the following crops is the only genetically modified crop approved for commercial cultivation in India? a) Bt Brinjal c) Bt Cotton b) Mustard d) Tomato

Course Outcome	Bloom's K-level	Q. No.	SECTION – B (5 X 5 = 25 Marks) Answer ALL Questions choosing either (a) or (b)
CO1	K3	11a.	Describe the Vavilov's centres of origin of crop plants. (OR)
CO1	K3	11b.	Comment on domestication of plants.
CO2	K3	12a.	Determine about the morphology and useful parts of pearl millet. (OR)
CO2	K3	12b.	Interpret the economic importance of Pigeon pea and Cow pea.
CO3	K4	13a.	List down the morphological characters, botanical name, family and uses of Cloves. (OR)
CO3	K4	13b.	Describe about the economic importance of Saffron and Asafoetida.
CO4	K4	14a.	Categorize the medicinal properties of Isabgol. (OR)
CO4	K4	14b.	Construct the cultivation methods of Aloe vera.
CO5	K5	15a.	Evaluate the wood structure and quality characters of Pine. (OR)
CO5	K5	15b.	Write down the medicinal properties of Agar and Agarose.

Course Outcome	Bloom's K-level	Q. No.	SECTION – C (5 X 8 = 40 Marks) Answer ALL Questions choosing either (a) or (b)
CO1	K3	16a.	Analyse the principles, objective methods regulation of plant quarantine. (OR)
CO1	K3	16b.	Briefly explain about the cryopreservation.
CO2	K4	17a.	Compute the origin, morphology, uses and useful parts of any two minor millets. (OR)
CO2	K4	17b.	Organize the propagation methods and uses of Potato.
CO3	K4	18a.	Write a detailed account on processing, quality control and uses of Mustard and Soybean oil. (OR)
CO3	K4	18b.	List down the economic importance of Pepper and Ginger.
CO4	K5	19a.	State the origin, morphology, useful part and uses of Aswagandha. (OR)
CO4	K5	19b.	Formulate the medicinal properties of Senna.
CO5	K5	20a.	Predict the extraction, industrial processing and uses of Jute. (OR)
CO5	K5	20b.	Assess the botanical description, wood structure and timber processing methods of Teak.