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TH241265MINC

Reg. No.....

Name.....

FYUG PROGRAMME EXAMINATIONS, NOVEMBER 2024

(2024 Admission Regular)

SEMESTER I – MINOR C COURSE (BOTANY)

BO1DSCB101B24 - FRONTIERS IN PLANT SCIENCE

Time: 1.5 Hours **Maximum Marks: 50**

PART A

I. Answer all questions (MCQ). Each question carries 1 mark

Q.No:	QUESTIONS	CO	LEVEL
1.	..... is known as the Father of Botany. a. Theophrastus b. Carl Linnaeus c. William Roxburgh d. Augustin Pyramus de Candolle	1	U
2.	..... .group of plants are called "Amphibians of plant kingdom". a. Algae b. Bryophytes c. Diatoms d. pteridophytes	2	U
3.	Name a hallucinogen. a. Coffee b. Tea c. Peyote d. Opium	2	U
4.	PCR was invented by a. Kary Mullis b. Moungi G. Bawendi c. Louis E. Brus d. Aleksey Yekimov	3	U
5.	The scientific name of rice a. *Triticum aestivum* b. *Eleusine coracana* c. *Hordeum vulgare* d. *Oryza sativa*	5	A

(5x1=5)

II. Answer all questions in one word. Each question carries 1 mark

Q.No:	QUESTIONS	CO	LEVEL
6.	Define binomial nomenclature.	1	U
7.	Cite the dominant phase in the life cycle of bryophytes.	2	U
8.	Define active trap mechanism. Give an example.	2	U
9.	Write the nitrogenous bases in DNA.	5	U

10.	Examine the commercial product obtained from *Trichopus zeylanicus.*	4	A

(5x1=5)

PART B

III. Answer any six questions in one paragraph. Each question carries 5 marks.

Q.No:	QUESTIONS	CO	LEVEL
11.	Write a short note on Hortus Malabaricus.	2	U
12.	Explain the current research areas of plant anatomy.	1	U
13.	Distinguish between Pteridophytes and Bryophytes.	2	U
14.	Explain the general characters of Gymnosperms.	2	U
15.	Discuss about the psychoactive flora.	2	U
16.	Explain the requirements or components of PCR.	3	U
17.	Discuss the applications of IoT in Botany.	5	A
18.	Write a note on any two timber yielding plants, their parts and its uses.	5	A

(6x5=30)

PART C

IV. Answer any one question. The question carries 10 marks.

Q.No:	QUESTIONS	CO	LEVEL
19.	Describe plant-animal interactions with suitable examples.	2	U
20.	Explain the principle and procedure of PCR. Write the applications.	4	A

(1x10=10)

CO : Course Outcomes Level : R – Remember, U – Understand, Ap- Apply, An- Analyze, E- Evaluate, C- Create