

25.11

TH241070MINB

Reg. No.....

Name.....

FYUG PROGRAMME EXAMINATION, NOVEMBER 2024

(2024 Admission Regular)

SEMESTER I – MINOR B 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 Taxonomy". a. Theophrastus b. Carolus linnaeus c. K.S. Manilal d. Janaki Ammal	1	U
2.	The scientific name of rice a. <i>Triticum aestivum</i> b. <i>Eleusine coracana</i> c. <i>Hordeum vulgare</i> d. <i>Oryza sativa</i>	5	A
3.	Diatoms belong to..... class of algae a. Chlorophyceae b. Bacillariophyceae c. Rhodophyceae d. Cyanophyceae.	2	U
4.	Name a stimulant a. Opium b. Coffee c. Nutmeg d. Atropa	2	U
5.DNA polymerase is used in Polymerase Chain Reaction. a. Endonuclease b. Exonuclease c. TAQ polymerase d. Ligase	3,4	U

(5x1=5)

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

Q.No:	QUESTIONS	CO	LEVEL
6.	Define ecological balance.	5	A
7.	Name the three classes of bryophyte.	2	U
8.	“Enquiry into Plants” was published by which scientist.	1	U
9.	Define biomimicry.	2	U
10.	What are the base pairs of DNA?	3,4	U

(5x1=5)

PART B

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

Q.No:	QUESTIONS	CO	LEVEL
11.	Write on two spice-yielding plants and their parts and uses.	5	A
12.	Explain the general characteristics of algae.	2	U
13.	Discuss on Plant systematics.	1	U
14.	Describe psychoactive flora with examples.	2	U
15.	Explain the applications of remote sensing.	3,4	A
16.	Describe the different characteristics of IoT.	3,4	U
17.	Discuss the major contributions of E. K. Janaki Ammal.	1	U
18.	Distinguish between pteridophytes and bryophytes.	2	U

(6x5=30)

PART C

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

Q.No:	QUESTIONS	CO	LEVEL
19.	Explain the principle and procedure of PCR. Write the applications.	5	A
20.	Examine the distinguishing characters and reproduction in Algae.	2	U

(1x10=10)

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