

B. Sc. DEGREE EXAMINATION, NOVEMBER 2024
BRANCH V (a) – PLANT BIOLOGY AND PLANT BIOTECHNOLOGY
THIRD SEMESTER

COURSE : MAJOR – CORE
PAPER : PHYTOTHERAPY AND ETHNOBOTANY
SUBJECT CODE : 23BT/MC/PE33
TIME : 3 HOURS **MAX. MARKS: 100**

Q. No.	SECTION A (20 x 1 = 20)	CO	KL
	I Choose the correct answer		
1.	The International agreement that attempts to regulate biopiracy is _____. a) Vienna protocol b) CBD c) CMS d) CITES	1	1
2.	Who is known as the father of Ayurvedha? a) Charak b) Agasthiyar c) Sushruta d) Valmiki	1	1
3.	Which of the following is an example of underground stem? a) <i>Azadirachta indica</i> b) <i>Hibiscus rosa-sinensis</i> c) <i>Aloe vera</i> d) <i>Zingiber officinalis</i>	1	1
4.	The addition of adulterants lowers the _____ value of food. a) Substance b) Quality c) Nutrients d) Quantity	1	1
5.	Among these which species are not in the IUCN classification of threatened species? a) Extinct b) Harmful c) Vulnerable d) Endangered	1	1
	II Fill in the blanks	CO	KL
6.	The characteristic of Prithvi is _____.	1	1
7.	Essential oils are also known as _____.	1	1
8.	The study of interrelations between humans and plants is called _____.	1	1
9.	IPR stands for _____.	1	1
10.	<i>Cinnamomun zeylanicum</i> belongs to the family _____.	1	1
	III State whether True or False	CO	KL
11.	The term Siddha means attainment of perfection.	1	1
12.	PFA stands for Protection of Food Adulteration Act.	1	1
13.	Sacred grooves are examples of <i>In-situ</i> conservation.	1	1
14.	The occupation of Irulas is selling honey.	1	1
15.	The useful part in <i>Hibiscus</i> is flower.	1	1

	IV Match the following	CO	KL
16.	National Institute of Siddha - pills	1	1
17.	National Institute of Ayurvedha - purified calcinations	1	1
18.	Vati - medicated oil	1	1
19.	Bhasma - Chennai	1	1
20.	Tailam - Jaipur	1	1
	SECTION B (8 X 2 =16)		
Q. No.	Answer any Eight of the following in 50 words.	CO	KL
21.	Define Tridhosha concept.	2	2
22.	State the medicinal uses of <i>Piper longum</i> .	2	2
23.	Enumerate the Scope of Ethnobotany.	2	2
24.	List the active principles of <i>Trigonella</i> .	2	2
25.	Comment on Infusion and Decoction.	2	2
26.	What is Organoleptic study?	2	2
27.	Assess the role of AYUSH in healthcare.	2	2
28.	Write short notes on Memory plus.	2	2
29.	Define Biopiracy.	2	2
30.	What is Leghyam?	2	2
	SECTION C (4 X 6 =24)		
Q. No	Answer the following in 200 words.	CO	KL
31.	Classify the different types of Herbal drug preparation. (or)	3	3
32.	Describe the basic principles of Ayurveda and Siddha.	3	3
33.	Mention the active principle and medicinal uses of <i>Aloe vera</i> . (or)	3	3
34.	Comment on <i>Pankajakasturi</i> .	3	3
35.	Discuss the steps involved in preparation of Herbal Tea. (or)	4	4
36.	Write the difference between Bioprospecting and Biopiracy.	4	4
37.	Interpret the role of Essential oils in aromatherapy. (or)	4	4
38.	Investigate the Traditional knowledge and lifestyle of <i>Irulas</i> .	4	4
	SECTION D (2 X 20 = 40)		
Q. No.	Answer the following in 1000 words. Draw diagrams wherever necessary.	CO	KL
39.	Adulteration, Detection and Standardization of Herbal Drugs – Discuss. (or)	5	5
40.	Mention the binomial and describe the active principle and medicinal uses of Sarpaganda and Ginger.	5	5
41.	Elaborate the methods and strategies to conserve Biodiversity. (or)	5	5
42.	Elucidate the Methodologies of Ethnobotanical Research pertaining to Field Work, Literature, Herbaria and Musea.	5	5

