



**School:** School of Science  
**Program/s:** Division of Biomedical and Life Sciences  
**Year:** 2<sup>nd</sup> **Semester:** 3<sup>rd</sup>  
**Examination:** End Semester Examination  
**Examination year:** December 2022

**Course Code:** LS202      **Course Name:** Angiosperm Taxonomy and Bioprospecting  
**Date:** 02/12/2022      **Total Marks:** 40  
**Time:** 11:30 am to 01:30 pm      **Total Pages:** 02

**Instructions:**

- Write each answer on a new page.
- Use of a calculator is ~~permitted~~/not permitted.
- Draw neat and labelled diagrams/charts wherever necessary.

Q. No.	Details	Marks	COs*	BTL#
<b>Q.1</b>	<b>Fill in the Blanks:</b>	<b>(1 x 1 = 6 Marks)</b>		
	1. Specimens may be poisoned by dipping or painting them with an alcoholic solution of .....	<b>1</b>	CO1	BT1
	2. .... is the best and most accepted natural system of classification, which is still used and followed in several herbaria of the world, including India.	<b>1</b>	CO2	BT3
	3. The purpose of the accession number is to provide a ..... for each specimen of the plant collection.	<b>1</b>	CO3	BT2
	4. Plant family with the terms glume, palea, lemma and awn is known as .....	<b>1</b>	CO4	BT3
	5. Family with ray and/or disk flowers, phyllaries, head and pappus is known as .....	<b>1</b>	CO4	BT3
	6. Family with flowers having banner, wing, keel & diadelphous stamens is known as .....	<b>1</b>	CO4	BT3
<b>Q.2</b>	<b>Answer the following:</b>	<b>(2 x 2 = 4 Marks)</b>	CO1, CO2, CO3, CO4	BT1, BT2, BT3
	1. Summarize the main functions of botanical gardens.	<b>2</b>		
	2. State some important suggestions for arrangement of plants before mounting.	<b>2</b>		

Q.3 Answer any five of the following:

(5 x 6 = 30 Marks)

CO1, BT1,  
CO2,  
CO3, BT2,  
CO4 BT3

1. What is an herbarium curator and what are his/her duties? 6
2. Explain in detail the difference between a flora (floristic study), a monograph, and a revision, stating some examples for each. 6
3. Explain why the family Asteraceae (Compositae) is regarded as the most advanced and highly evolved and is considered to occupy the highest position in the plant kingdom. 6
4. Describe the salient features of Malvaceae family and give examples of some economically important taxa. 6
5. Give some salient features of Orchidaceae family, stating few examples. 6
6. Explain the detailed methodology for preparing a herbarium. 6

\*\*\*\*\*End of Question Paper\*\*\*\*\*