

# RANI RASHMONI GREEN UNIVERSITY

M.Sc. 1<sup>st</sup> Semester Examination, 2024

**Subject: NUTRITION AND PUBLIC HEALTH**

**Course code: GNPHT-14B**

**(Unit 1-Rural Technology and Economic Botany; Unit 2-Rural Technology and Economic Zoology)**

**Time: 2 hrs**

**FM= 40**

**Answer any three from each unit and two from any unit of your choice from the following questions:**

## **Unit:1**

1.a) Define rural resources.

b) State the different types of rural resources found in India. 1+4= 5

2.a) Define 'true-to-type plants" in horticulture?

b) What is the role of grafting in maintaining 'true-to-type plants'? 2+3= 5

3.a) What is mulching and its utility in weed management in nurseries?

b) What is dieback in plants? What are the common causes for the same? 2.5+2.5= 5

4. Name two edible mushrooms and mention their nutritional values. 2.5+2.5= 5

5.a) Describe the spawn production techniques of Oyster mushrooms.

b) Name one Medicinal value of one Oyster mushroom. 4+1= 5

6. Write short notes on any two of the followings: (2.5×2= 5)

a) Olericulture

b) Solarization

c) Green manure

d) Cultivation technology for Paddy straw mushrooms

## Unit: 2

7. a) Write the differences between bumble bees and honey bees based on: life span, nests, temperament, and nature of hibernation.
- b) Write the views regarding the causes of sterility in workers of honey bees. 2+3= 5
8. a) Describe the preparation of vermibed.
- b) Write four characteristic features of epigeic earthworm. 3+2= 5
9. What is the future of ornamental fish culture as cottage Industry? 5
- 10.a) What is IPM?
- b) What are the advantages of IPM over traditional methods? 1+4=5
- 11.a) Write the scientific name of Indian silk worm.
- b) Describe the structure of silk gland in brief.
- c) Write the composition of silk. 1+2+2= 5
12. Write short notes on any two of the followings: (2.5×2= 5)
- a) Biopesticides
  - b) Bt Cotton
  - c) Waggle dance of honey bees
  - d) Preparation of floating feed