

**MA/M.Sc. RURAL DEVELOPMENT
FOURTH SEMESTER
RURAL TECHNOLOGY
MRD – 402B**

**SET
A**

[USE OMR SHEET FOR OBJECTIVE PART]

Duration: 2 hrs.

Full Marks: 55

Time: 20 mins.

(Objective)

Marks: 15

Choose the correct answer from the following:

1×15=15

- Which of these is not an objective of rural development?
 - To work on removing unemployment in rural areas
 - To improve wages for the rural population
 - To improve wages for the urban population
 - To enhance the living standards of rural people
- Initiatives for implementing rural development include.....
 - Improving public health
 - Setting up facilities for agricultural research
 - Infrastructure development in rural areas
 - All the above
- RBH stands for:
 - Rural Base Hub
 - Rural Business Hub
 - Rural Banana Hub
 - Rural Bamboo Hub
- India occupies theposition in production of raw silk in the world.
 - 2nd
 - 3rd
 - 4th
 - 5th
- Muga silk is associated to which of the following states of India?
 - Arunachal Pradesh
 - Bihar
 - Maharashtra
 - Assam
- Which state is the largest producer of raw silk in India?
 - Tamil Nadu
 - Andhra Pradesh
 - Karnataka
 - West Bengal
- The scientific name of Tasar silkworm is:
 - Bombyx mori
 - Antheraea assamensis
 - Antheraea mylitta
 - Philosamia ricin
- Who is referred to as father of pearl industry?
 - Inovsky
 - Louis Pasteur
 - Kokichi Mikimoto
 - Harvey

9. Pearls are produced in an oyster around the.....
- a. Tears of sea mermaids falling into the oyster
 - b. First drops of rains falling into the oyster in a particular month
 - c. Eggs oyster which fails to leave its body
 - d. Some external particles becoming embedded in the skin of oyster
10. Pearl is secreted by:
- a. Nacreous layer
 - b. Prismatic layer
 - c. Mantle layer
 - d. Both a and b
11. How many stages are there in the life cycle of a silkworm?
- a. 3
 - b. 4
 - c. 5
 - d. 6
12. In crab culture method, young crabs are grown for a period ofmonths till they attain desirable size.
- a. 5 to 6
 - b. 6 to 7
 - c. 7 to 8
 - d. 8 to 9
13. The pond size varies betweenwith proper bunds and tidal water exchange.
- a. 0.5 - 2 ha
 - b. 1- 2 ha
 - c. 2-3 ha
 - d. 3 - 4 ha
14. The crab culture is called as:
- a. Crab Fattening
 - b. Crab Fettening
 - c. Crab Fottening
 - d. Crab Futtening
15. Frogs andcan be reared together, after the egg and larval/tadpole stages.
- a. Duck
 - b. Crab
 - c. Fish
 - d. Poultry

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(Descriptive)

Time : 1 Hr. 40 Mins.

Marks : 40

[Answer question no.1 & any four (3) from the rest]

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|---|------------|
| 1. a) Describe the role of science and technology in agriculture. | 5+5=10 |
| b) How does technology affect rural areas? | |
| 2. a) What is sericulture? Explain the types of silk are found in India. | 5+5=10 |
| b) Write down the importance of sericulture. | |
| 3. a) Define RBH. Under which ministry establishment of RBH was initiated. | 3+2+5=10 |
| b) What are the steps behind RBH establishment? | |
| 4. Explain the various divisions of silkworm. | 10 |
| 5. What do you mean by pearl culture? What are the uses of pearl culture? Describe the types of pearl. Write down the Composition of pearl. | 1+2+4+3=10 |
| 6. Explain the steps involved in pearl culture. | 10 |
| 7. a) Give an account of Crab culture method | 5+5=10 |
| b) What are the water quality parameters during Crab culture need to maintain? | |

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