

MA RURAL DEVELOPMENT
Fourth Semester
RURAL TECHNOLOGY
MRD – 406 (MDC)

Duration: 3Hrs.

Full Marks: 70

Part-A (Objective) =20
Part-B (Descriptive) =50

(PART-B: Descriptive)

Duration: 2 hrs. 40 mins.

Marks: 50

Answer any four from Question no. 2 to 8
Question no. 1 is compulsory.

1. What are the significances of Science and Technology for Rural Development?
What are the aim and objectives of Science and Technology for Rural Development? (5+5=10)
2. Explain the role of Rural Technology for Poverty eradication. (10)
3. What is RBH? Explain the process of establishing RBH. (2+8=10)
4. What is Vermiculture? Explain the steps involved in vermicompost. (2+8=10)
5. What is energy? What is Renewable and Non- renewable energy? Define Solar Energy. (2+3+5=10)
6. Define Pisciculture. Explain the economic importance of Fish. (2+8=10)
7. What are Aquatic weeds? What are the methods for control of the Aquatic weeds? (2+8=10)
8. Short Notes: (5+5=10)
 - a) Apiculture
 - b) CAPART

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Duration: 20 minutes

Marks – 20

(PART A - Objective Type)

I. Choose the correct answer:

1×20=20

1. Vermiculture producestimes more plant nutrients.
a. 10-20 times b. 20-30 times
c. 50 times d. more than 50 times
2. For Vermicompost tankper cent humidity is required.
a. less than 30 % b. 30-40 %
c. 50 % d. 60-70 %
3. IRDP was launched for poverty alleviation in thefive year plan.
a. 4th five year plan b. 5th five year plan
c. 6th five year plan d. 7th five year plan
4. Rural Business Hubs is an initiative by the Ministry of
a. Agriculture b. Panchayat Raj
c. Health d. HRD
5. For 30kg of wastes.....kg of worm is required for vermicompost.
a. 1 kg b. 2 kg c. 3 kg d. 4 kg
6. CAPART was set up as a pioneer organisation in September
a. 1980 b. 1985 c. 1986 d. 1990
7. Green plant material such as grass clippings are relatively high in
a. Carbon b. Nitrogen
c. Moisture d. Phosphorous
8. Brown plant material such as fall leaves and branches are relatively high in
a. Nitrogen b. Phosphorous
c. Carbon d. None of the above
9. Solar energy is considered as
a. Non-renewable energy b. Renewable energy
c. Working energy d. None of the above
10. Fish Liver Oil is a natural Source of
a. Vitamin –A b. Vitamin B
c. Vitamin C d. None of these

11. Mushrooms are one of the best sources of Vitamins especially
a. Vitamin –A b. Vitamin B
c. Vitamin C d. Vitamin D
12. A honey bee colony typically consists of kinds of adult bees.
a. 5 b. 4 c. 3 d. 2
13. A farmer who keeps bees for their honey
a. Apiarist b. Apiary
c. Apiaron d. Apitic
14. Decomposer need for energy for vermicompost.
a. Nitrogen b. Phosphorous
c. Carbon d. Sodium
15. Decomposer needfor growth for vermicompost.
a. Nitrogen b. Phosphorous
c. Carbon d. Sodium
16. In mushroom, thecontent is very low.
a. Carbohydrates b. Fat
c. Protein d. None of the above
17. Wild mushroom contains much higher amount of
a. Vitamin D₃ b. Vitamin D₂
c. Vitamin D d. Vitamin E
18. The place where the honey bees are reared is called a
a. Apicy b. Epiary
c. Apiary d. Epicy
19. Drones are thein the honey comb.
a. Worker bee b. Small bee
c. Fertile male d. None of the above
20. Historically, mushrooms were classified among the so-calledplants.
a. Higher b. Medium
c. Lower d. None of the above
