

Write the following information in the first page of Answer Script before starting answer

ODD SEMESTER EXAMINATION: 2020-21

Exam ID Number _____

Course _____ Semester _____

Paper Code _____ Paper Title _____

Type of Exam: _____ (Regular/Back/Improvement)

Important Instruction for students:

1. Student should write objective and descriptive answer on plain white paper.
2. Give page number in each page starting from 1st page.
3. After completion of examination, Scan all pages, convert into a single PDF, rename the file with Class Roll No. **(2019MBA15)** and upload to the Google classroom as attachment.
4. Exam timing from 10am – 1pm (for morning shift).
5. Question Paper will be uploaded before 10 mins from the schedule time.
6. Additional 20 mins time will be given for scanning and uploading the single PDF file.
7. Student will be marked as ABSENT if failed to upload the PDF answer script due to any reason.

**MA RURAL DEVELOPMENT
THIRD SEMESTER
RURAL TECHNOLOGY
MRD-304**

Duration : 3 hrs.

Full Marks : 70

(PART-A : Objective)

Time : 20 min.

Marks : 20

Choose the correct answer from the following:

1X20=20

1. RBH is an initiative by the Ministry of.....
 - a. Agriculture
 - b. Rural Development
 - c. Forest
 - d. Panchayat Raj
2.is a condition where household income is below a necessary level to maintain basic living standards.
 - a. Absolute Poverty
 - b. Relative Poverty
 - c. Situational Poverty
 - d. None of the above
3. RBH stands for:
 - a. Rural Bank Housing
 - b. Rural Business Hub
 - c. Robinson, Bradshaw and Hinson
 - d. None of the above
4. RBH have been conceptualized to linkproducts.
 - a. Rural
 - b. Urban
 - c. Both a and b
 - d. None of above
5. Green plant material such as grass clippings are relatively high in
 - a. Carbon
 - b. Nitrogen
 - c. Moisture
 - d. Phosphorous
6. Brown plant material such as fall leaves and branches are relatively high in:
 - a. Nitrogen
 - b. Phosphorous
 - c. Carbon
 - d. None of the above
7. Mushrooms are one of the best sources of Vitamins especially:
 - a. Vitamin-A
 - b. Vitamin-B
 - c. Vitamin-C
 - d. Vitamin-D
8. Decomposer need..... for energy for vermicompost.
 - a. Nitrogen
 - b. Phosphorous
 - c. Carbon
 - d. Sodium
9. The place where the honey bees are reared is called:
 - a. Apicy
 - b. Epiary
 - c. Apiary
 - d. Epicy
10. The blue revolution in India is related with:
 - a. Fish production
 - b. Milk production
 - c. Oil seed production
 - d. None of the above

11. i) The practice of culturing only two species of fish in a same pond is known as polyculture.
 ii) The practice of culturing only one species of fish in a pond is known as Monoculture.
 a. Statement i) is correct but ii) is incorrect b. Statement ii) is correct but i) is incorrect
 c. Both statements are correct d. Both the statements are incorrect
12. Cage system of fish farming is an example oftype of farming system.
 a. Intensive b. Extensive
 c. Monoculture d. Polyculture
13. What is the full form of PPP model?
 a. Point-to-point Protocol b. Public Private Partnership
 c. PowerPoint Presentation d. None of the above
14. Which of the following organizations looks after the credit needs of agriculture and rural development in India?
 a. FCI b. IDBI
 c. NABARD d. None of the above
15. NIF stands for.....
 a. National Innovative Foundation b. National Innovation Foundation
 c. National Innovation Fund d. None of the above
16. Full Form of CAPART is:
 a. Council for Advancement of People's Action and Rural Technology b. Centre for Advancement of People's Action and Rural Development
 c. Centre for Advancement of People's Action and Rural Technique d. None of the above
17. Wind energy is considered as:
 a. Non-renewable energy b. Renewable energy
 c. Working energy d. None of the above
18. Biomass energy is produced from:
 a. Organic material b. Inorganic material
 c. Dry material d. Both a and b
19. Solar energy is considered as:
 a. Non-renewable energy b. Renewable energy
 c. Working energy d. None of the above
20. Natural gas is known as
 a. Non-renewable energy b. Renewable energy
 c. Working energy d. None of the above

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(PART-B : Descriptive)

Time : 2 hrs. 40 min.

Marks : 50

[Answer question no.1 & any four (4) from the rest]

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| 1. Define Rural Technology. What are the significance of Science and Technology for Rural Development? What are the Aims and Objectives of Science and Technology for Rural Development? | 2+3+5=10 |
| 2. a. Explain the role of Rural Technology for Poverty Eradication.
b. Write briefly about the process of RBH. | 5+5=10 |
| 3. a. What is Vermicompost?
b. Explain the steps involved in vermicompost preparation. | 2+8=10 |
| 4. a. Define Mushroom Culture.
b. Explain three different types of mushroom and their function.
c. Explain the Steps involves in Mushroom Cultivation. | 2+3+5=10 |
| 5. a. What are Aquatic weeds?
b. Types of Aquatic Weed- Explain.
c. Give an account on Control management of Aquatic weeds. | 2+4+4=10 |
| 6. a. Describe Integrated Fish Farming.
b. Write the details about types of Pisciculture. | 5+5=10 |
| 7. Write short notes on: (<i>any two</i>)
i. CAPART
ii. Honeybee
iii. NIF | 5+5=10 |
| 8. a. Define Renewable and Non-renewable energy.
b. What is Biomass? | 5+5=10 |

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