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2112A017

**BACHELOR OF VOCATION**  
**Agriculture**  
**Subject: Basics of Agriculture Farming**  
**Subject Code: AGR-503**  
**Semester: First**  
**December 2021**  
**Theory (External): 70 Marks**  
**Time: 03 Hours**

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**Instructions to the Students**

1. This Question paper consists of two Sections. All sections are compulsory.
2. Section A comprises 10 questions of objective type in nature. All questions are compulsory. Each question carries 2 marks.
3. Section B comprises 8 essay type questions out of which students need to do any 5. Each question carries 10 marks.
4. Read the questions carefully and write the answers in the answer sheets provided.
5. Do not write anything on the question paper.
6. Wherever necessary, the diagram drawn should be neat and properly labelled

Roll Number									

**SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)**  
(10x2=20 Marks)

- A. Briefly explain the different agro-climatic zones of India.
- B. How do long term plans affect agriculture?
- C. Briefly explain the Anand pattern.
- D. Explain what is IOT?
- E. What is organic agriculture? Highlight its importance.
- F. What is Cropping Pattern? Explain.
- G. Explain the negative externalities caused by use of fossil fuel based chemicals.
- H. Bring out the difference between modern and traditional Dairy techniques.
- I. Briefly explain what is CNG?
- J. Briefly explain what is Micro-Finance?

**SECTION –B (ESSAY TYPE QUESTIONS)**  
(5x10=50 Marks)

1. Explain the role of agriculture in Indian economy. Explain the factors affecting agriculture in our country.
2. India is currently facing change in Farm laws. How will you explain the three main law changes and how they will affect our agricultural practices?
3. Illustrate Double Hurdle model of OFF-FARM income determination. How is the fishery industry making a change in agri-economy?
4. What is the role of information and Communication technology in agriculture? Highlight the recent technological interventions and their applications in agriculture.
5. Explain what is Agriculture waste generation? Explain classification of waste and its utilization.
6. Delineate UAV along with its principle and mechanism in detail.
7. When we think about sustainable agriculture, BIO CNG – An Alternate fuel promises a golden future. Explain what it is in detail and its potential.
8. Warehousing and Microfinance are very important Farm essentials. Explain in detail their usage and importance.

==END OF PAPER==