

2209A015

4. Discuss the principle of RADAR.
5. Enumerate the different types of image interpretation. Explain them with relative merits and demerits.
6. Discuss in detail about spatial and non-spatial data.
7. Explain the application of remote sensing in GIS and its health hazards.
8. What are the available software packages for creating GIS project? Explain.

==END OF PAPER==

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**M. VOC Agriculture**  
**Subject: Precision and Smart Farming**  
**Subject Code: AGM 805**  
**Semester: First**  
**Session: - September 2022**  
**Theory (External): 70 Marks**  
**Time: 03 Hours**

**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 02 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**

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**SECTION –A (SHORT/OBJECTIVE TYPE QUESTIONS)**  
(10x02=20 Marks)

- A. What is the first step of geo processing?
1. Processes
  2. Management
  3. Analyses information
  4. All the above
- B. GIS either unrelated or relates location information using
1. Index
  2. Key index variable
  3. Index pointer
  4. None of the above
- C. Aerial photography is also called as \_\_\_\_
1. Air borne imagery
  2. Air borne sheet
  3. Air imagery
  4. All the above
- D. A CAD tool geographically represent the information in \_\_\_\_ dimensions.
1. 2D
  2. 3D
  3. Both 1 & 2
  4. None of the above
- E. Which of the following are the satellite receivers on earth stations?
1. DTH satellite equipment
  2. Mobile reception equipment in air craft
  3. Satellite telephone
  4. All the above
- F. A communication satellite is a \_\_\_\_ satellite.
1. Artificial
  2. Natural
  3. Man made
  4. Either 1 or 2

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- G. Which of the following is the own satellite of India?
1. Rohini D1
  2. Ohsumi
  3. Dong Fang Hong 1
  4. GSAT
- H. What is the altitude of geosynchronous satellite?
1. 35786 Km
  2. 35000 Km
  3. 5690 Km
  4. 31456Km
- I. Which of the following is down link satellite?
1. A signal transmitted from earth station to satellite
  2. A signal transmitted from satellite to earth
  3. Both 1 & 2
  4. None of the above
- J. A point close to the earth is called \_\_\_\_
1. Apogee
  2. Perigee
  3. Longitude
  4. Latitude

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

1. Explain the difference between geocoding and geo referencing.
2. Write an essay on nature , the human network and the role of GIS.
3. What are the uses of weather satellite?