PG CBCS
M.A./M.SC. Semester-II Examination, 2022
(GEOGRAPHY)
PAPER: GEO 296
(REMOTE SENSING AND COMPUTER APPLICATION)

Full Marks: 50   **Time: 4 Hours**

The figures in the right-hand margin indicate full marks.
Attempt all the following questions.

WRITE THE ANSWER FOR EACH UNIT IN SEPARATE SHEET

GEO 296.1
PRINCIPLES OF REMOTE SENSING AND AERIAL PHOTOGRAPH
Full Marks: 25

1. Discuss how electromagnetic spectrum works in remote sensing technique. $1\times7=7$

2. Describe about major types of satellite sensor are used in remote sensing technique. $1\times7=7$

3. Answer the following questions. $2\times3=6$

a) What do you mean by relief displacement?
b) What is meant by image parallax?
c) What is IFOV?

4. Laboratory Note Book and Viva-Voce.   5

GEO 296.2
COMPUTER BASICS AND APPLICATION
Full Marks: 25

1. Answer the following questions. $1.5+1.5+4=7$

a) What is a logic gate?
b) Discuss the different types of basic logic gates with proper diagrams and input-output bits.
c) Differentiate between system software and application software.

2. Answer the following question. $2.5+2.5+2=7$

a) Computation of Mean in Excel from the following data set.
   20, 18,22,23,28,35,35,41
b) Write a short note on representation of data by number system.
c) Define programming language with its example.

3. Write down the proper steps and create content to make a 7 slides PowerPoint presentation (PPT) about *Food Security in India* **or** *Waste Water Treatment.*   6

4. Laboratory Note Book and Viva-Voce.   5

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