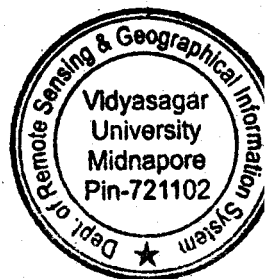


2008
M.Sc.
1st Semester Examination
REMOTE SENSING AND GIS
PAPER—IV

Full Marks : 40

Time : 2 Hours



The figures in the right-hand margin indicate full marks.

Candidates are required to give their answers in their own words as far as practicable.

Illustrate the answers wherever necessary.

Module—I (RG-1107)

(Computer Fundamental)

Answer any two questions.

20

1. Describe the block diagram of a digital computer. Explain every component of digital computer. 10
2. (a) Describe the memory system of a digital computer.
 (b) What is algorithm? Give the basic characteristic of algorithm. 5+5
3. (a) Write the algorithm and draw the flowchart to find the area of a triangle whose sides are a, b and c.
 (b) Draw a flow chart to generate and print the Fibonacci series 0, 1, 1, 2, 3, 5, 8, ... n. 5+5
4. What is data structure? Explain various types of data structure with example. 2+8

(Turn Over)

Module—II (RG-1108)*(C-Programming)*

Answer any two questions.

20

5. (a) What is the concept of a variable? Mention the rules to give a name against a variable. How a variable is declared in C? Explain with examples.
- (b) Write a program to check whether a given number is divisible by another number. 5+5
6. (a) Explain if-else-if and switch statements and find out the difference between these two statements.
- (b) Write a program to find the average of n numbers. 5+5
7. (a) What is the difference between i++ and ++i?
- (b) What is the difference between do-while and while statements?
- (c) What is array?
- (d) Write a program to find the no. of vowels in a word. 2+2+1+5
8. Write a C program to find the biggest and lowest values of a given set of real numbers. Use the pointer notation. 10
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