

M.Sc. 1st Semester Examination, 2012

REMOTE SENSING AND GIS

PAPER—RSG-104 (Gr.-A + B)

Full Marks : 40

Time : 2 hours

The figures in the right-hand margin indicate marks

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

Illustrate the answers wherever necessary

GROUP – A

(Computer Fundamentals)

[Marks : 20]

Answer any two questions

1. (a) What do you mean by flowchart? Draw the basic symbols of flowchart and describe their meaning.
- (b) Draw a flowchart to find out the maximum of three numbers. (2 + 3) + 5

(Turn Over)

2. (a) What is machine language? What are the advantages and disadvantages of machine language over other type of languages?
- (b) What is compiler? Explain the working of a compiler with a diagram. (2 + 2 + 2) + (2 + 2)
3. What is meant by generation in computer terminology? How many generation are there till now? State the basic features of each generation. 1 + 2 + 7
4. What do you mean by memory of a computer? Discuss with diagram the memory hierarchy of a computer. 2 + 8

GROUP – B

(C Programming)

[Marks : 20]

Answer any *two* questions

1. (a) What is Programming language? Why 'C' is known as structured programming language?
- (b) With the help of block diagram mention the basic structure of C program. (2 + 3) + 5

2. (a) What is variable and constant ? Mention the rules for naming a variable in C.
- (b) Differentiate between while and do-while loop. (2 + 3) + 5
3. (a) What is data types ? Mention the different data types in C.
- (b) Write a program to find the area of a circle. (1 + 4) + 5
4. (a) Define the following term with relation in VB.
- (i) Interface
 - (ii) Control
 - (iii) Form.
- (b) State and explain the syntax for printing a text in a VB. 6 + 4
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