

2013

M.Sc.

1st Semester Examination

REMOTE SENSING & GIS

PAPER—RSG-104

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.

Group—A

[Computer Fundamentals]

(Marks—20)

Answer any two questions from the following :

1. Draw a block diagram to illustrate the basic organisation of a computer system, and explain the functions of various units of a computer system.

3+7

(Turn Over)

2. (a) What do you mean by Algorithm? What are the properties of an Algorithm?
- (b) Write an algorithm of average of N numbers.

(2+3)+5

3. (a) Explain with diagrams the operations of Compiler and Interpreter.
- (b) What are the basic differences between Compiler and Interpreter.

(3+3)+4

4. (a) What do you mean by Linker? Explain with a suitable diagram the operation of a Linker.
- (b) What is Loader? Discuss about basic tasks that a Loader perform. What are the different types of Loader?

(1+4)+(1+2+2)

Group—B**[Basics of C Language]****(Marks—20)**

Answer any two questions from the following.

1. (a) Why C language is called as a High level programming language ?

(b) What do you mean by # includes < stdio.h > ?

(c) Briefly explain the for loop of C.

3+3+4

2. (a) What is a VB6 ?

(b) Why VB is being called an Event Driven programming ?

(c) Give basic code to print your name in VB ?

3+3+4

3. Describe the data types in C ? Write a programme to find how many odd numbers are present from 1 to 100.

4+6

4. Write the difference between while loop and do-while loop? Write a programme to check whether a given year is leap year or not?

4+6
