

MGT 1025 – Computer Literacy & Applications

Answer all questions

Time : 3 Hours

Q1.

Write short notes on the following topics:

- i. Generation of Computer
- ii. Input and Output devices
- iii. Software

Q2.

- i. Classify computers based on methods of processing
- ii. Describe how data and programs are represented in a computer.
- iii. Write name of two common coding systems and give the maximum number of characters each can handle.
- iv. Convert the following decimal numbers to binary, octal and hexadecimal system.
a) 32.375 b) 14.0625
- v. Describe various units of measuring storage of a Computer

Q3.

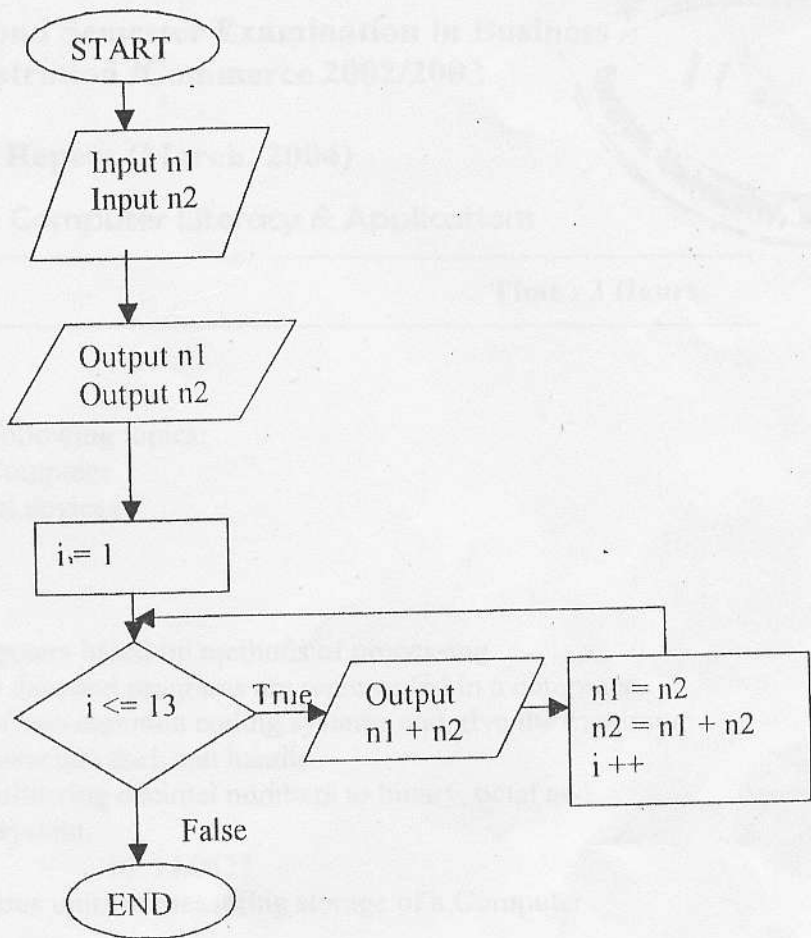
- a. State the components of a Central Processing Unit (CPU) and explain the function of each.
- b. Why secondary storage media is important?
- c. List various secondary storage devices and briefly describe the characteristics of each.
- d. What is meant by Computer Virus and explain how they spread.

Q4.

- i. List different types of network and explain each.
- ii. What are the topologies available in Computer Network and explain each.
- iii. What are the services provided by the Internet?
- iv. List five types of servers and describe their purpose.

Q5.

- a. Define the terms "Algorithm" and "flow chart ". Explain the use of them in writing programs.
- b. Trace the following flow chart with given input values for $n_1 = 2$ and $n_2 = 3$ and write down the output of the flow chart, where n_1 , n_2 and i are integer type variables.



- c. State, in a few words, what is the function of the flow chart?
- d. Write down the C++ code to implement the flow chart.