2011

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

The figure in the margin indicates full marks.

Answer from both the groups as directed.

GROUP - A
(Objective Type Questions - Compulsory)

Q.No. 1. Choose the correct answer of the following: 2 x 10 = 20

1. The brain of the computer is ....
    a)   CPU
    b)   ROM
    c)   RAM
    d)   IBM

2. Computers use which of the following number systems to store information?
    a)   base 2
    b)   base 4
    c)   base 8
    d)   base 10

3. When the computer you are using does not print, what is the likely reason?
    a)   The printer is not plugged in to either the power or to your computer
    b)   You have not selected the correct printer from the list.
    c)   There is a printer jam or the printer needs some other attention
    d)   All of the above

4. Which is a type of Electrically-Erasable Programmable Read-Only Memory?
    a)   Flash
    b)   Flange
    c)   Fury
    d)   FRAM

- 1 -

shift instructions are ....
- a) Data manipulation instructions
- b) Data transfer instructions
- c) Program control instructions
- d) All of the above

6. A reverse polish notation is evaluated with the help of ....
- a) Stack
- b) RAM
- c) ROM
- d) None of the above

7. A computer port is used to:
- a) Communicate with other computer peripherals
- b) Download files from the web
- c) Communicate with all hard drives
- d) Connect computers together

8. Baud rate is ....
- a) The difference between the lowest and the highest frequency transmitted
- b) Transmission capacity
- c) Transmission speed of channel
- d) None of the above.

9. Which one of the following is not an Output device?
- a) Plotter
- b) Speech synthesizer
- c) MICR
- d) Smart and intelligent terminal

10. RAM is used to store ....
- a) Only Data
- b) Only Program
- c) Only Results
- d) Any kind of data or information

GROUP - B
(Long Answer Type Questions)
Answer any *four* questions. Each question carries 15 marks.

Q.No. 2. What is RISC? Distinguish between RISC and CISC architecture. Also discuss their advantages and disadvantages.

Q.No. 3. What is CMOS? Define CMOS optimization tactics and discuss configuring the standard CMOS setup.

.4. What do you mean by power supplies and power management? Discuss the concepts of switching regulation and potential power problems.

Q.No. 5. Define the primary memory with suitable diagram? What is difference between ROM & EPROM?

Q.No. 6. What is the use of RS-232 connectors? Write the steps for installing & troubleshooting the modem.

Q.No. 7. What are Buses? Define Industry Standard Architecture (ISA), Peripheral Component Interconnect (PCI) and Accelerated Graphics Port (AGP).

Q.No. 8. What do you mean by formatting & fragmentation? Define various types of formatting?

Q.No. 9. What is SCSI Drivers & Raid Controller?