

(b) Write short notes on any three of the following :

- (i) Weather forecasting
- (ii) Remote sensing
- (iii) Inventory control
- (iv) Internet and its application



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2015

Time : 3 hours

Full Marks : 80

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

The figures in the margin indicate full marks.

Answer from both the Groups as directed.

Group – A

**(Objective-type Questions)
(Compulsory)**

Answer all questions.

1. Choose the correct answer of the following :

2 x 10 = 20

(a) The _____ helps to record sound into the computer.

- (i) Head Phone
- (ii) Micro-Phone

ME – 1/1 (600)

(6)

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(Turn over)

- (iii) Light Pen
 - (iv) None of these
- (b) Computer finally understand the _____ language.
- (i) Hexa-decimal
 - (ii) Octel
 - (iii) Binary
 - (iv) All of these
- (c) The _____ stores maximum data.
- (i) F D D
 - (ii) H D D
 - (iii) C D
 - (iv) Pen derive
- (d) 1024 bytes is _____.
- (i) 1-Byte
 - (ii) 1-KB
 - (iii) 1-MB
 - (iv) None of these
- (e) Which is not a Internet Browser ?
- (i) Netscape Naigrator

ME - 1/1

(2)

Contd.

- (ii) Internet Explorer
 - (iii) G-mail
 - (iv) Google Chrome
- (f) Which is not a protocol ?
- (i) SMTP
 - (ii) Tel-Net
 - (iii) FTP
 - (iv) Ethernet
- (g) Which of the following is a search engine ?
- (i) Yahoo
 - (ii) MSN
 - (iii) Google
 - (iv) All of these
- (h) The base of Heza – decimal is :
- (i) 2
 - (ii) 8
 - (iii) 16
 - (iv) None of these
- (i) HUB/SWITCH uses in which topology ?
- (i) Bus Topology

ME - 1/1

(3)

(Turn over)

- (ii) Star Topology
 - (iii) Ring Topology
 - (iv) None of these
- (i) Which of the following is an example of non-volatile memory ?
- (i) ROM
 - (ii) RAM
 - (iii) LSI
 - (iv) VLSI

Group – B

(Long-answer Type Questions)

Answer any four questions : 15×4 = 60

2. Draw block diagram to illustrate the basic organization of a computer system and explain the function of the various units.
3. Differentiate between the characteristics of primary and secondary storage of a computer system.
4. Perform any three operators :
 - (a) Find out the decimal equivalent of 11010111

ME – 1/1

(4)

Contd.

- (b) Convert to decimal number 2A3B16
 - (c) Convert to binary equivalent 5628
 - (d) Convert to 1048 to Hex format.
5. (a) Explain the working of DOT matrix printer.
- (b) What is system software ? Give five examples.
6. Using Hexa-decimal notation write the EBCDIC coding for the following words :
- (a) OUTPUT
 - (b) OCTAL
 - (c) PROGRAM
 - (d) BYTE
7. Define the term of the following :
- (a) WWW
 - (b) Protocol
 - (c) Topology
 - (d) TCP/IP
8. (a) Explain typical structure of URL ?

ME – 1/1

(5)

(Turn over)