

2017

Time : 3 hours

Full Marks : 80

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

The questions are of equal value.

Answer five questions in which

Q. No. 1 is compulsory.

1. Indicate the correct answer :

(a) Which is a part of CPU ?

(i) Keyboard

(ii) Printer

(iii) Tape

(iv) ALU





(v) None of the above

(b) What is ATM ?

(i) Branch of bank

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- (ii) Staff counter of bank
- (iii) Withdrawal of cash without staff
- (iv) All of these 
- (v) None of these
- (c) A collection of unprocessed item is :
- (i) Information
- (ii) Data 
- (iii) Reports
- (iv) None of these
- (d) No of function key in keyboard is :
- (i) 14
- (ii) 13 
- (iii) 12
- (iv) 15
- (v) 16
- (e) Memory word is related to :
- (i) Logic
- (ii) Control 
- (iii) Input

- (iv) Storage
- (v) None of these
- (f) Which of the following is a small single site network ?
 - (i) LAN
 - (ii) DSL
 - (iii) RAM
 - (iv) USB
 - (v) CPU
- (g) Full name of the Email is :
 - (i) English mail
 - (ii) Electric mail
 - (iii) Electronic mail
 - (iv) Essential mail
 - (v) None of these
- (h) First super computer of world was developed in :
 - (i) 1978
 - (ii) 1976
 - (iii) 1980

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(iv) 1981

(v) None of these

2. What is binary language ? Why do computers understand only binary language ?

Multiply :

(a) 10111×1011

(b) 1111101×1111

3. What do you mean by computer memory ? Differentiate between primary and secondary memory.

4. What do you mean by control processing units ? Describe, in details, various units of the CPU.

5. What is a operating system ? State its uses. How many types of operating system are there ? Explain.

6. Explain how a high language is translated into machine language. Explain the features of a good programming language.

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(4)

Contd.

7. With the help of a block diagram, explain various network topologies present in a computer networks. Explain the need of computer communications network internet and world wide web.

8. Discuss the various computer generations along with the key characteristics of computers of each generation. Also, give example of computers belonging to each generation.

9. Differentiate :

- (a) Input and output devices
- (b) Mini and super computer
- (c) MAN, WAN and LAN
- (d) Computer software and computer hardware

