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**AO—340—2018**

**FACULTY OF SCIENCE**

**B.Sc. (First Year) (First Semester) EXAMINATION**

**MARCH/APRIL, 2018**

**(CGPA Pattern)**

**COMPUTER SCIENCE**

**Paper I**

**(Fundamentals of Computer Organization)**

**(MCQ+Theory)**

**(Thursday, 26-4-2018)**

**Time : 10.00 a.m. to 12.00 noon**

*Time—2 Hours*

*Maximum Marks—40*

*N.B. :— (i) Attempt all questions.*

*(ii) Assume suitable data if necessary.*

**(MCQ)**

1. Select the correct answers for the following : 10

(i) Base of Hexadecimal number system is .....

(a) 10 (b) 16

(c) 08 (d) FF

(ii) ..... K.B = 1 MB.

(a) 1000 (b) 1022

(c) 1024 (d) 1124

(iii) ALU stands for .....

(a) Arithmetic and logic unit

(b) All logical unit

(c) Arithmetic load unit

(d) Assembly logical unit

P.T.O.

- (iv) Dot matrix printer uses .....
- (a) Ink (b) Laser beam  
(c) Ribbon (d) None of these
- (v) OMR stands for .....
- (a) Original mark reader  
(b) Optical matrix reader  
(c) Original matrix reader  
(d) Optical mark reader
- (vi) GUI stands for .....
- (a) Graph user interface  
(b) Graphical user interface  
(c) Graphical user interaction  
(d) None of these
- (vii) ..... is a wild character.
- (a) = (b) “\_”  
(c) \* (d) !
- (viii) ..... is an internet command.
- (a) VER (b) TREE  
(c) LABEL (d) CHKDSK
- (ix) From ..... deleted file can be restored.
- (a) Desktop (b) My computer  
(c) Control panel (d) Recycle bin

$$(x) \quad (456)_{10} = (\text{---})_8$$

$$(a) \quad 725$$

$$(c) \quad 610$$

$$(b) \quad 710$$

$$(d) \quad 510$$

**(Theory)**

2. Explain in detail classification and types of computer. 10

*Or*

What is memory cell ? Explain in detail primary memories of computer.

3. Convert the following : 10

$$(i) \quad (BCF)_{16} = (\text{---})_8$$

$$(ii) \quad (2017)_8 = (\text{---})_{10}$$

$$(iii) \quad (1234)_{10} = (\text{---})_2$$

$$(iv) \quad (111000111)_2 = (\text{---})_{16}$$

$$(v) \quad (23451)_{10} = (\text{---})_{16}$$

*Or*

- (a) Explain the types of printer. 5

- (b) Explain architecture of windows. 5

4. Explain any *five* internal DOS commands. 10

*Or*

- (a) Explain any *two* output devices. 5

- (b) Explain the features of windows. 5