

This question paper contains 3 printed pages]

V—343—2017

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2017

(CGPA Pattern)

COMPUTER SCIENCE

Paper I

(Fundamentals of Computer Organization)

(MCQ + Theory)

(Tuesday, 12-12-2017)

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

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1. Select the *correct* answers for the following :

(1) Base of octal number system is

(A) 10 (B) 18

(C) 08 (D) 07

(2) 1 M.B. = K.B.

(A) 1000 (B) 1024

(C) 1124 (D) 2048

(3) CU stands for

(A) Contact unit (B) Control union

(C) Control unit (D) None of these

P.T.O.

- (4) Mini floppy disk having capacity of MB.
- (A) 2.44 (B) 1.2
(C) 1.44 (D) 1.40
- (5) is having largest storage capacity from given choices.
- (A) Hard disk (B) Floppy disk
(C) CD (D) DVD
- (6) GUI stands for
- (A) Graphical User Interface
(B) Graph User Interface
(C) Graphics User Interface
(D) None of the above
- (7) is an internal DOS command.
- (A) TREE (B) REN
(C) XCOPY (D) FORMAT
- (8) command is used to cross the complete data and make disk blank.
- (A) Erase Blank (B) DEL Blank
(C) Format (D) TREE
- (9) From deleted files can be restored.
- (A) Recycle Bin (B) Control Panel
(C) Desktop (D) Scandisk
- (10) $(223)_{10} = (-)_{8}$
- (A) 337 (B) 237
(C) 327 (D) 137

Theory

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

Or

- Explain any *two* input and any *two* output devices. 10

3. Convert the following :

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- (i) $(BCA)_{16} = (-)_8$
- (ii) $(1979)_{10} = (-)_2$
- (iii) $(1234)_8 = (-)_{10}$
- (iv) $(2017)_{10} = (-)_8$
- (v) $(111000111)_2 = (-)_{10}$

Or

- (a) Explain type of ROM.
- (b) Explain features of Windows O.S.

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4. Explain any *five* Internal commands.

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Or

- (a) Explain Booting procedure of DOS.
- (b) Explain first and second generations of computer.

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