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W—399—2018

FACULTY OF SCIENCE

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

NOVEMBER/DECEMBER, 2018

(CGPA Pattern)

COMPUTER SCIENCE

Paper I

(Fundamentals of Computer Organization)

(MCQ & Theory)

(Friday, 7-12-2018)

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 Hexa decimal number system is

(a) 10

(b) 8

(c) 16

(d) FF

(ii) 2 MB = K.B.

(a) 2000

(b) 2048

(c) 2024

(d) 1024

(iii) Dot Matrix Printer uses

(a) Ink

(b) Laser Beam

(c) Ribbon

(d) None of these

P.T.O.

- (iv) Mini Floppy Disk having capacity of M.B.
- | | |
|----------|----------|
| (a) 2.44 | (b) 1.44 |
| (c) 1.2 | (d) 1.4 |
- (v) OCR means :
- | | |
|------------------------------|-------------------------------|
| (a) Optical Character Reader | (b) Original Character Reader |
| (c) Optical Constant Reader | (d) None of these |
- (vi) BCD means :
- | | |
|------------------------------|------------------------------|
| (a) Binary Coded Decimal | (b) Binary Contacted Decimal |
| (c) Binary Connected Decimal | (d) None of these |
- (vii) is an External Command.
- | | |
|---------|-----------|
| (a) DEL | (b) COPY |
| (c) DIR | (d) XCOPY |
- (viii) is an internal command.
- | | |
|------------|------------|
| (a) CHKDSK | (b) TREE |
| (c) VER | (d) FORMAT |
- (ix) is used for configuration setting of window.
- | | |
|-----------------|-------------------|
| (a) Desktop | (b) Control Panel |
| (c) My Computer | (d) Recycle Bin |
- (x) $(337)_8 = (\dots\dots\dots)_{10}$:
- | | |
|---------|---------|
| (a) 223 | (b) 332 |
| (c) 323 | (d) 237 |

Theory

2. What is Computer ? Explain in detail generations of computer. 10

Or

What is memory cell ? Explain in detail primary memories of computer. 10

3. Convert the following :

10

(i) $(ABF)_{16} = (\dots\dots\dots)_{10}$

(ii) $(2222)_{10} = (\dots\dots\dots)_8$

(iii) $(777)_{10} = (\dots\dots\dots)_2$

(iv) $(1111001101)_2 = (\dots\dots\dots)_{16}$

(v) $(23456)_{10} = (\dots\dots\dots)_{16}$

Or

(a) Explain types of printer.

5

(b) Explain any *two* input devices.

5

4. Explain any *five* External commands.

10

Or

(a) Explain Architecture of windows.

5

(b) Explain features of windows.