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R—346—2017

FACULTY OF COMPUTER SCIENCE

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

APRIL/MAY, 2017

COMPUTER SCIENCE

Paper I

(Fundamentals of Computer Organization)

(MCQ & Theory)

(Wednesday, 3-5-2017)

Time : 10.00 a.m. to 12.00 noon

Time—2 Hours

Maximum Marks—40

N.B. :— (i) All questions are compulsory.

(ii) Draw neat and labelled diagrams wherever necessary.

(iii) Assume suitable data wherever necessary.

MCQ

1. Solve the *all* MCQs given below : 10
- (i) The computer history start with the development of by Chinese around 3000 B.C.
- (a) Pascal (b) Cobol
- (c) Jhon (d) Abacus
- (ii) The world's first Digital Computer was develop jointly by IBM and Hardware University in 1944.
- (a) Mark-III (b) Mark-II
- (c) Mark-I (d) Mark
- (iii) The symbols present in number system is called as
- (a) Ream (b) Radix
- (c) Rotate (d) Reverse

P.T.O.

- (iv) is a primary memory.
- (a) EPROM (b) PEROM
(c) ROEMP (d) ROMEP
- (v) Card reader is a device.
- (a) Input (b) Output
(c) I/O (d) Store
- (vi) is a group of functional unit.
- (a) Input (b) System
(c) Output (d) Device
- (vii) is oldest operating system.
- (a) Window (b) Linux
(c) Unix (d) OS
- (viii) The process of starting the computer in on condition is called boot.
- (a) One (b) Two
(c) Cold (d) Warm
- (ix) operating system was developed from 1990 to 1994.
- (a) Windows 1.X (b) Windows 2.X
(c) Windows 3.X (d) Windows 4.X
- (x) is called as Directory.
- (a) File (b) Folder
(c) Word (d) Byte

Theory

2. (a) Convert the following : 10
- (i) $(12345)_{10} = (?)_2$
- (ii) $(BCA)_{16} = (?)_8$

(iii) $(010111)_2 = (?)_{10}$

(iv) $(3377)_8 = (?)_{16}$

(v) $(9BA7)_{16} = (?)_{10}$

Or

- (b) Explain Laser printer in detail. 5
- (c) Explain CD-ROM & DVD. 5
3. (a) Explain the following DOS commands with system and example : 10
- (i) XCOPY
- (ii) FORMAT
- (iii) DELTREE
- (iv) MD
- (v) VER

Or

- (b) Explain architecture of Window operating system. 5
- (c) What is DOS preliminaries ? 5
4. (a) Explain the types of digital computer. 10

Or

- (b) Explain Dot-matrix printer in detail. 5
- (c) Explain Mouse and touch screen in detail. 5