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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