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BF—363—2016

FACULTY OF COMPUTER STUDIES

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

NOVEMBER/DECEMBER, 2016

(Old Course)

COMPUTER SCIENCE

Paper I

(Fundamentals of Computer Organization)

(MCQ + Theory)

(Thursday, 1-12-2016)

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 all MCQs given below : 10
- (i) The set of programs is called as
(A) Hardware (B) Software
(C) Information (D) Data
 - (ii) was the first electronic computer design.
(A) EIANC (B) EAINC
(C) ENIAO (D) ENIAC
 - (iii) 1024 kB = MB.
(A) 2 (B) 1
(C) 4 (D) 5
 - (iv) Floppy disk is a disk.
(A) Plastic (B) Aluminium
(C) Brass (D) Paper

P.T.O.

- (v) A number of are present in sector.
 (A) Tracks (B) Lines
 (C) Circles (D) Holes
- (vi) The printer is a page printer.
 (A) dotmatrix (B) laser
 (C) matrix (D) dot
- (vii) The wild character is used to represent all character.
 (A) ? (B) #
 (C) * (D) \$
- (viii) The process of starting the computer from on/off button is called boot.
 (A) one (B) two
 (C) warm (D) cold
- (ix) command is used to make the partition of the disk.
 (A) Format (B) Delete
 (C) Fdisk (D) DEL
- (x) Using panel user can change the setting of mouse.
 (A) Incontrol (B) Control
 (C) Outcontrol (D) WithImage

Theory

2. (a) Explain internal and external diagram of floppy disk. 10
 Or
 (b) Explain multitasking with example. 5
 (c) Explain file and directory. 5
3. (a) Convert the following : 10
 (i) $(110011)_2 = (?)_{16}$
 (ii) $(5050)_8 = (?)_{10}$
 (iii) $(7BBA)_{16} = (?)_8$
 (iv) $(110111)_2 = (?)_{16}$
 (v) $(7489)_{10} = (?)_8$

Or

- (b) Explain ROM and its types. 5
- (c) Explain OCR and OMR in detail. 5
- 4. (a) Explain the following DOS commands with syntax and example : 10
 - (i) Copy con
 - (ii) Type
 - (iii) Edit
 - (iv) Fdisk
 - (v) Comp.

Or

- (b) Explain windows operating system history. 5
- (c) Explain light pen and mouse. 5