

Roll No.

Total No. of Questions : 9]
(1109)

[Total No. of Printed Pages : 4

**BCA UG (CBCS) RUSA Ist Semester
Examination**

3597

COMPUTER FUNDAMENTALS

BCA-0103

Time : 3 Hours]

[Maximum Marks : 70

Note :- Attempt *five* question in all, selecting *one* question each from Units-I to Unit-IV. Part-A (Q. No. 1) is compulsory.

Part-A

(Compulsory Question)

1. (A) Select the correct option for MCQ's : $10 \times 1 = 10$
 - (i) Microprocessors as switching devices are for which generation computers :
 - (a) First Generation
 - (b) Second Generation
 - (c) Third Generation
 - (d) Fourth Generation

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- (ii) Which of the following produces the best quality graphics reproduction ?
- (a) Inkjet printer
 - (b) Laserjet printer
 - (c) Plotter
 - (d) Dot matrix printer
- (iii) The following are all application softwares, except :
- (a) MS Word
 - (b) MS Excel
 - (c) MS Windows
 - (d) MS Access
- (iv) 1 Gigabyte (GB) is equal to :
- (a) 1024 KB
 - (b) 1024 byte
 - (c) 1024 MB
 - (d) 1024 TB
- (v) ASCII stands for
- (vi) EBCDIC stands for
- (vii) The information stored in is erased when computer is turned off.

- (viii) The speed imbalance between the main memory and processor is avoided by using flash memory. (True/False)
- (ix) Image capturing devices are input devices. (True/False)
- (x) Primary memory is Volatile. (True/False)
- (II) Answer the following in 25 to 50 words :
- (i) Write a short note on evolution of computer.
 - (ii) What are sequential access storage devices ?
 - (iii) Discuss the various data scanning devices.
 - (iv) Differentiate between High Level Language and Machine Level Language.
 - (v) What is an Application Software ? Name any three. $4 \times 5 = 20$

Part-B (Unit-I)

2. (a) Draw the block diagram of computer and explain the function of its each Unit.
- (b) Give two limitations of computers. 8,2
- Or
- (a) What do you mean by Instruction Set ? Discuss.
- (b) Discuss types of processors used in Computer System. 5,5

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(2)

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Part-C (Unit-II)

4. (a) What is Primary Memory ? Why it is needed ?
(b) What do you mean by specification of a PC ? 5,5

Or

5. (a) Write a short note on Solid State Storage Devices.
(b) Discuss different types of optical disks. 4,6

Part-D (Unit-III)

6. (a) What are point and draw devices ? Explain their working.
(b) Differentiate between Laserjet and Inkjet printers. 6,4

Or

7. (a) What is difference between a mouse and track ball ?
(b) Explain OCR, OMR and MICR. 4,6

Part-E (Unit-IV)

8. (a) What is an Operating System ? What are its functions ?
(b) Differentiate between compiler and interpreter. 6,4

Or

9. (a) What is Disk Operating System ? What are its drawbacks ?
(b) Differentiate between file and directory structure. Discuss naming rules for directory. 5,5

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