



K16U 2533

Reg. No.:

Name:

I Semester B.C.A. Degree (CCSS – Reg/Supple./Improv.)
Examination, November 2016
GENERAL COURSE
1A11 BCA : Informatics for Computer Application
(2014 Admn. Onwards)

Time : 3 Hours

Total Marks : 40

SECTION – A

Answer **all** questions.

1. Converting data into more useful information is termed as _____.
2. Machine language is a _____ programming language.
3. _____ unit transfers the processed result to the user of the computer.
4. The software that controls internal computer operations is called _____.
5. _____ is a program that translates a high level language program into its machine language equivalent.
6. The unit for performing arithmetic operations in a computer is _____.
7. _____ is an example for a sequential storage device.
8. ISDN stands for _____.

(8x.5 = 4 Marks)

SECTION – B

Write short notes on **any seven**.

9. What are the functions performed by a control unit ?
10. What is the meaning of the term “volatile primary memory” ?

P.T.O.



11. What is a register ?
12. What are the different coding schemes used to represent data in computers ?
13. What are the factors that determine the time taken to access data from a magnetic disk ?
14. What are the different functions operating systems ?
15. What is multimedia ?
16. What do you mean by a computer network ?
17. What do you mean by time sharing operating system ?
18. What do you mean by the term "cyber threats" ? (7×2=14 Marks)

SECTION – C

Answer **any four** of the following.

19. Describe various steps in data processing.
20. Compare compilers and interpreters.
21. Discuss about memory hierarchy.
22. What are the factors affecting the performance of a computer ?
23. Describe any two programming paradigms.
24. Write short notes on the basic concepts of IPR. (4×3=12 Marks)



SECTION – D

Write an essay on **any two** of the following.

25. With the help of a block diagram explain various functional units of a computer.

26. With examples, explain the following :

- a) Instruction formats
- b) Coding schemes
- c) CPU registers.

27. Discuss major features of internet.

28. Write short notes on.

- a) Plagiarism
- b) Cyber laws
- c) Use of IT in teaching and learning.

(2×5=10 Marks)