Reg. No. : ....

Name : ....

I Semester B.C.A. Degree (CCSS – Reg./Supple./Improv.) Examination, November 2015
General Course
1A11 BCA : INFORMATICS FOR COMPUTER APPLICATIONS
(2014 Admn. Onwards)

Time : 3 Hours   Max. Marks : 40

SECTION – A

Answer **all** questions :

1. ICs are part of _____ generation computers.

2. Write an example for a 4 GL.

3. 1024 MB is equivalent to _____ GB.

4. The software that controls internal computer operations is called

5. _____ is a program that translates an assembly language program into its machine language equivalent.

6. The unit for performing arithmetic operations in a computer is

7. The outcome of data processing is

8. ISDN stands for

(8×.5=4)

SECTION – B

Write short notes on **any seven** :

9. What do you mean by a low-level language ?

10. What is the role of Program Counter (PC) in program execution ?

11. How a compiler is different from an interpreter ?

12. What is the difference between OCR and OMR ?

13. What are the factors that determine the time taken to access data from a magnetic disk ?

14. What are the different types of Operating Systems ?

15. What are the functions of output unit ?

16. List various internet access methods.

17. What do you mean by a multi-tasking operating system ?

18. What do you mean by the term "cyber addictions" ?   (7×2=14)

SECTION – C

Answer **any four** of the following :

19. Describe various steps in data processing.

20. Discuss different types of ROM.

21. Discuss any three services provided by the internet.

22. What are the factors affecting the performance of a computer ?

23. Describe any two programming paradigms.

24. Write short notes on cyber security.   (4×3=12)

SECTION – D

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

25. Discuss various optical storages devices.

26. With examples, explain the following :
    a) Instruction formats
    b) Coding schemes
    c) CPU registers

27. Briefly explain about
    a) Classification of computers.
    b) System software and application software.

28. Write short notes on :
    a) Plagiarism
    b) Cyber laws
    c) Use of IT in teaching and learning.   (2×5=10)

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