

B. C. A. DEGREE END SEMESTER EXAMINATION - OCTOBER/NOVEMBER 2018**SEMESTER – 1: BACHELOR OF COMPUTER APPLICATIONS (BCA) (CORE COURSE)****COURSE: 16U1CRBCA1: COMPUTER FUNDAMENTALS AND ORGANIZATION**

(Common for Regular 2018 admission and supplementary/improvement 2017/2016 admission)

Time: Three Hours

Max. Marks: 75

SECTION A

*Answer **all** questions. Each question carries **1** mark*

1. Explain the characteristics of a computer?
2. What is a Mainframe Computer?
3. What is ASCII code?
4. Convert the following decimal number to binary.
a) 435 b) 135
5. What is a computer program?
6. Define computer virus?
7. What is a Ribbon in MS Word?
8. What is meant by Cell Address in MS Excel?
9. What is a Computer Network?
10. What is www?

(1 x 10 = 10)

SECTION B

*Answer **any Eight** questions. Each question carries **2** marks*

11. Distinguish between hardware and software with example.
12. List out advantages of high level languages.
13. What are the different type of keys in a keyboard?
14. What is interrupt and interrupt service routine?
15. What are the different symbols used in flowchart?
16. State and prove the two basic De Morgan's theorems.
17. Explain briefly about Computer security.
18. Explain the use of spreadsheets.
19. What are the objectives of a Local Area Network?
20. Write a short note on E- Mail system?

(2 x 8 = 16)

SECTION C

*Answer **any Five** questions. Each question carries **5** marks*

21. Describe the model of a computer and its parts with a diagram?
22. Explain how data is organized in a magnetic tape?
23. Explain binary to decimal and decimal to binary conversion with example?
24. What is a computer language? Explain different type of computer languages.

- 25. What are the functions of an operating system?
- 26. Explain the use of spreadsheets.
- 27. What are the different network topologies? (5 x 5 = 25)

SECTION D

*Answer **any Two** questions. Each question carries **12** marks*

- 28. List out various computer generation along with their basic characteristics.
- 29. Explain in details various input devices.
- 30. Explain word processing in details.
- 31. Define Internet. Explain services of Internet? (12 x 2 = 24)
