

**Term End Examination - June, 2017**  
**Diploma in Computer Application**  
**DCA-01: COMPUTER FUNDAMENTALS**  
**(2016 Syllabus)**

**Time - 3 hours**

**Full Mark - 100**

*Answer any **four** questions from **Group - 'A'**, any **two** questions from **Group - 'B'** and any **three** questions from **Group - 'C'**.*

**Group - 'A'**

*(Answer any **four** questions each within 100 words)*

Mark:  $5 \times 4 = 20$

Q. No. 1

- a) Write characteristics of a digital computer.
- b) What are different external storage devices?
- c) Explain the functions of a cache memory.
- d) Write the functions of an Operating System.
- e) Discuss the binary number system with an example.
- f) What are different users in Linux?
- g) Discuss about Random Access Memory.

**Group - 'B'**

Mark:  $10 \times 2 = 20$

*(Answer any **two** questions each within 250 words)*

Q. No. 2

- a) What are the basic components of the computer?
- b) What is a port? Discuss various types of ports used in a computer.
- c) What are different the units used for measuring computer memory?
- d) What are the different types of software?
- e) Discuss about the different components of control panel.

**Group - 'C'**

Mark:  $20 \times 3 = 60$

*(Answer any **three** questions each within 500 words)*

Q.No.3. Discuss about different Input and Output devices of a computer system.

4. What is an Operating System? What are the types of operating systems?
5. Explain different types of Secondary Storage Devices in a computer system.
6. Explain the classification of computer and applications of different class of computers.
7. Discuss different functional units of a computer with a block diagram.
8. What are the different generations of computer? Give examples of each.