# DISTANCE EDUCATION
## Diploma in Computer Applications (DCA)
## DEC- 2020 EXAMINATIONS
## CBCS-2020-21 Academic year onwards
## PRINCIPLES OF INFORMATION TECHNOLOGY

Time : Three hours                                    Maximum : 75 marks

PART –A       (10 x 2 = 20 marks)
Answer ALL questions.

1. What is meant by information technology?

2. Define software.

3. What is an ALU?

4. How will you classify computer systems?

5. What is a volatile and non-volatile memory?

6. What is meant by Communications software

7. What is a Ring Topology?

8. Define URL encoding.

9. What is the purpose of modem in data communication?

10. Define web server.

Part B  (5 x 5 = 25 marks)
Answer ALL questions, choosing either (a) or (b).

11. a)Discuss the application of IT in Education and Training

(OR)

b) Write short notes on Global Positioning System.

12. a) Explain the history of computers.

(OR)

b) Define Memory and explain its types.

13.a)Write in detail about graphics software

(OR)

b) Give short notes on functions of operating system.

14.a) Differentiate between internet and intranet

(OR)

b) How to browsing the web?

15. a)Discuss how the information is located on the net

(OR)

b) Write short notes on Usenet Newsgroup.

Part C        (3 x 10 = 30 marks)
Answer ANY THREE questions.

16. Explain the role of IT in Science, Engineering, and Mathematics

17.Describe in detail about the basic anatomy of a computer

18. Define Network and explain the types of networks

19. Explain in detail about E-mail communication.

20. Discuss the Domain Name System (DNS) in detail.

# DISTANCE EDUCATION

Diploma in Computer Applications (DCA)

DEC – 2020  Examinations

CBCS-2020-21 Academic year onwards

**51712 – OPEN SOURCE SOFTWARE**

I Semester

Time : Three hours                                    Maximum : 75 marks

## PART –A      (10 x 2 = 20 marks)
### Answer All Questions

1. What is the need of Open Source Software?
2. Write down any two important factors that led to the development of open source software?
3. Write down the two phases in the evolution of Linux.
4. Mention the three classes of processes in LINUX?
5. Why is MYSQL so Popular?
6. What is a foreign key?
7. How to sort a MYSQL Query Result?
8. Write MYSQL commands to display the table structure and empty the table?
9. Write the syntax for viewing arrays in PHP with example.
10. Write the general form for defining the function in PHP.

### PART B – (5 X 5 = 25 marks)
### Answer All Questions Choosing either (a) or (b)

11.a) Write short note on advantages and disadvantages of open source software.

(or)

b.) Explain about the process.

12.a) Explain about the process.

(or)

b.) Discuss on Signals.

13.a) Explain SQL programs with suitable examples.

(or)

b) Explain Record selection Technology.

(or)

14.  a) Discuss about Date and Time functions in MYSQL.

(or)

b) Explain about the MYSQL and Web.

15.  a) Discuss on PHP and SQL database.

(or)

b) Write short notes on PHP Shorthand Assignment operator.

### PART C – (3 X 10 = 30 marks)
### Answer any Three Questions

16. Discuss Kernal mode and Linux mode of operations in Linux Environment.
17. Write detail note on cloning and scheduling.

18. Describe about MYSQL string function with its syntax and example.

19. Write a MYSQL program for the following Operations.

    * Create a database

    * Create a table

    * Load data into the table

    * Use multiple tables

20. Explain the following

    i) How Security and Templates can be implemented using PHP? Explain.

    ii) Mention the scalar data –types provided by PHP? Explain with Examples.

## DISTANCE EDUCATION
### Diploma in Computer Applications (DCA)
### DEC – 2020 - Examinations
### 51713 – OFFICE AUTOMATION
### (CBCS-2020-21 Academic year onwards)
### I Semester

Time : Three hours                                      Maximum : 75 marks

### PART –A                          (10 x 2 = 20 marks)
### Answer ALL questions.

1. How do you insert a row in a table?

2. What is WordArt?

3. What is range?

4. Define workbook.

5. What is mean by clip art?

6. Name any two views of work sheet.

7. What steps will help you to insert text box in a slide?

8. What is the shortcut combination key to increase the size of the selected text in MS Power point?

9. How will you start MS Access?

10. Define query.

### Part B (5 x 5 = 25 marks)

### Answer all questions, choosing either (a) or (b).

11. a) What is the use of  Header and footers in MS Word?

(OR)

   b) What is table? How do you create it? Explain.

12. a) How to Moving and copying cells in Excel?

(OR)

   b) Write note on print area in MS Excel.

13. a) How can you insert a cell, row and column in a worksheet?

(OR)

b) How do you freeze panes in Excel?

14.a)Write the steps to copy the slides in power point?

(OR)

b) How to create and Custom slide show?

15.a) Mention the salient features of MS Access.

(OR)

b) Discuss the field properties of table.

**PART C — (3 x 10 = 30 marks)**
**Answer any THREE questions.**

16. Describe about tab and indents settings in a word document.

17. Explain the various formatting options available in MS Excel Formatting toolbar.

18. Describe the Sorting and Filling details in excel.

19. Explain the following:

(i) Repositioning of slide.
(ii) Insertion of animation.

20. Explain the steps to create and print a report.