ADVANCE DIPLOMA IN COMPUTER APPLICATION (ADCA) ASSIGNMENTS

ADCA (Theory)

SESSION: 2021-22

Please read the instructions carefully before attempting assignment questions.

INSTRUCTIONS FOR DOING ASSIGNMENTS

Dear Learner,

You are required to submit one assignment per course within the stipulated time in order to become eligible to appear in the term-end examination. The assignments will be evaluated by the counsellors at your Study Centre. Please submit your assignment solutions to the Coordinator of your Study Centre.

Purpose of Assignments:

1. Assignments are part of the continuous evaluation process in Regular, Open and Distance Learning (ODL) system. Due weightage is given to the marks/grades you obtain in assignments. This will help you for better performance in the term-end examination. If you secure good grades/marks in assignments, your overall performance will improve.

2. Assignments are also a part of the teaching-learning process in Regular, ODL system. Your assignment, after evaluation, will be returned back to you with specific and general comments by the evaluator. This will help you to know your strength as well as your weakness. Thus, it will establish a two-way communication between learner and evaluator.

HOW TO WRITE ASSIGNMENTS:

Please read the instructions for writing the response of an assignment before you start writing

your answer.

1. Write your name, programme code, course title, enrolment no. and study centre code in the top sheet of the assignment answer booklet.

    The top of the first page of your response sheet for each assignment should

    look like this:

    PROGRAMME TITLE: ....ID No.: ………………………

    COURSE CODE: .... NAME: ……………………………….…….

    COURSE TITLE: ....

    ADDRESS: …………………………………………………………………………

    ASSIGNMENT CODE: .... SIGNATURE: ………………………………

    STUDY CENTRE: .... DATE: ……………………..

2. Before you attempt the assignments, please go through the course materials carefully, understand the same and write answers in your own language and style.

3. Write the answers in your own handwriting. Give sufficient margin in the left side of each page so that the evaluator will give comments on each paragraph/page.

4. Your handwriting should be neat and readable.

5. You should not print or type the answers. No printed or photocopy of assignments responses will be accepted.

WEIGHTAGE FOR EACH ASSIGNMENT:

1. Each assignment will carry 25% weightages and term-end examination will carry 75% weightage.

2. Each assignment will be of 100 marks. But it will carry 25% weightage.

3. You have to score minimum pass mark i.e. 40% in each assignment. In case you do not submit assignment or get fail mark in assignment you have to re-submit in the next year.

SUBMISSION DATES FOR ASSIGNMENTS

Sl. No	Course Code	Name of the Course	Date of Submission	Day (as per Calendar
SEMESTER - I				
1	LT-06	ADCA	4TH Sep. 2022	Sunday
2	LT-01	DCA	4TH Sep. 2022	Sunday
3	LT-31	ADCA PRO	4TH Sep. 2022	Sunday
SEMESTER - II				
4	LT-06	ADCA	4TH Sep. 2022	Sunday
5	LT-01	DCA	4TH Sep. 2022	Sunday
6	LT-31	ADCA PRO	4TH Sep. 2022	Sunday

ADCA-01: COMPUTER FUNDAMENTALS THEORY

(100 MARKS)

PART-A

Long Type Questions   (40=20X2)

1. What is a computer? What are the classifications of computer?
2. What are the generations of computer?

PART-B

Medium Type Questions   (30=10X3)

3. What are the components of the computer? Give the Broad overview
4. What is an Operating System? What are the concepts of operating system and classification of operating system
5. What is Basic input output system?

PART-C

Short Type Questions   (30=5X6)

6. Write short notes on   (5X6)

   a) computer memory units
   b) RAM
   c) Control unit
   d) Arithmetic Logic Unit
   e) Virtual memory
   f) Secondary Storage Devices

ADCA-02: OFFICE AUTOMATION THEORY (100 MARKS)

PART-A

Long Type Questions   (40=20X2)

1. Describe the tools defined in MSWord?
2. Describe the tabs used in MS PowerPoint?

PART-B

Medium Type Questions   (30=10X3)

3. What is formatting a cell in a worksheet?
4. What is a file tab in MS Excel and what is its role?
5. What are borders and the types of borders in MS Excel

PART-C

Short Type Questions   (30=5X6)

6. Write short notes on   (5X6)

a) Workbook security
b) Data table
c) Pivot table
d) V-Lookup
e) H-Lookup
f) Word art in MS Excel

DCA-03 NETWORK FUNDAMENTALS

(100 MARKS)

PART-A

Long Answer Type Questions   (20×2) Marks

1. Discuss the functions of each layer of TCP/IP reference model.
2. Discuss the functions of different categories of networks devices.

PART-B

Medium Answer Type Questions   (10×3) Marks

3. Discuss and differentiate between LAN and WAN.
4. Briefly explain different types of switching networks and mention their advantages and disadvantages.
5. Compare the merits and demerits of Bus, Star and Ring network topology

PART-C

Short Answer Type Questions   (30=5×6) Marks

6. Write short notes on the following.
   a. IP
   b. TCP
   c. FDM
   d. SMTP
   e. EMAIL
   f. FTP

DCA-04: WEB DESIGN THEORY

(100 MARKS)

PART-A

Long Type Questions   (40=20X2)

1. Discuss about HTML form design and form management?
2. Discuss designing tables in CSS?

PART-B

Medium Type Questions   (30=10X3)

3. What is event handling in HTML?
4. Text management in CSS
5. Font management in CSS

PART-C

Short Type Questions   (30=5X6)

6. Write short notes on   (5X6)

a) HTML tags
b) Formatting in HTML
c) Ways to insert CSS
d) Managing lists in CSS
e) Cookies in Java script

DCA-05: DATABASE SYSTEM THEORY (100 MARKS)

PART-A

Long Type Questions   (40=20X2)

1. What is normalization? What are the normal forms?
2. What are constraints?

PART-B

Medium Type Questions   (30=15X2)

3. What are data models? What are the various data models?
4. What are DDL, DML, DCL?

PART-C

Short Type Questions   (30=5X6)

5. Write queries   (5X6)

   a) To find the top 3 students who secured first, second, third in the class
   b) Using the union clause
   c) Using the intersect clause
   d) Using the left join
   e) Using the right join.

DCA-06: APPLICATION DEVELOPMENT THEORY

(100 MARKS)

PART-A

Long Type Questions   (40=20X2)

1. What is a flowchart? Describe the various shapes used in flowchart?
2. What are the various operators used in PHP?

PART-B

Medium Type Questions $\qquad$ **(30=10X3)**

3. What is inheritance? what are the various kinds of inheritance used in php?
4. What is abstraction? Discuss its use?
5. What is polymorphism? Discuss the types of polymorphism?

PART-C

Short Type Questions $\qquad$ **(30=5X6)**

6. Write short notes on $\qquad$ **(5X6)**

   a) Condition Statement
   b) Loops
   c) Arrays
   d) Super global
   e) Form management
   f) Php Database Connectivity