

Exam. Code : 303502

Subject Code : 5293

P.G. Diploma in Computer Application (PGDCA)

2nd Semester

PROGRAMMING IN C

Paper—II

Time Allowed—3 Hours] [Maximum Marks—50

Note :— Attempt any **five** questions selecting at least **one** question from each Section. All questions carry equal marks.

SECTION—A

1. Define different data types supported by C.
2. What is the advantage of switch statement over else-if construct ?

SECTION—B

3. What are strings ? How strings are handled in C ? Explain any five string manipulation library functions with examples.
4. What is a pointer ? Explain how the pointer variable is declared and initialized.

SECTION—C

5. What is a structure ? Explain the syntax of structure declaration with example.

6. Write short notes on :

- (a) Unions
- (b) Array of Structures.

SECTION—D

7. What is a file ? Explain how the file open and file close functions are handled in C.

8. Briefly discuss :

- (a) Standard Input/Output
- (b) File updating.

Exam. Code : 303501

Subject Code : 6880

P.G. Diploma in Computer Application (PGDCA)
1st Semester

DATABASE MANAGEMENT SYSTEM THROUGH
ORACLE-10g AND SYSTEM ANALYSIS AND
DESIGN

Paper—IV

Time Allowed—3 Hours] [Maximum Marks—50

Note :— Attempt any **FIVE** questions, selecting at least **ONE** question from each section. The **fifth** question may be attempted from any section. All questions carry equal marks.

SECTION—A

1. Define DBMS. Draw and explain three level architecture of DBMS.
2. Briefly discuss the following terms :
 - (a) Data Independence
 - (b) Domain and relations.

SECTION—B

3. Discuss various development models used in development of a system.
4. List various DCL commands. Discuss the role of DCL commands.

SECTION—C

5. Discuss in detail :
 - (a) Sequences
 - (b) Views.
6. Discuss the object oriented features of Oracle 10g.

SECTION—D

7. Discuss the role of cursors. Compare and contrast Implicit and Explicit cursor.
8. Write short notes on :
 - (a) Database triggers
 - (b) PL/SQL.

Exam. Code : 303501

Subject Code : 6879

PG. Diploma in Computer Application (PGDCA)

1st Semester

**FUNDAMENTALS OF COMPUTER AND
OPERATING SYSTEMS**

Paper—III

Time Allowed—3 Hours] [Maximum Marks—50

Note :—(1) Candidates are required to attempt **FIVE** questions, selecting at least **ONE** question from each Section. The **FIFTH** question may be attempted from any Section. All questions carry equal marks.

(2) The students can use only Non-Programmable and Non-Storage type calculator.

SECTION—A

1. What is Computer ? Discuss the various applications of Computers.
2. Draw and explain the various parts of Windows Vista Desktop and anatomy of Windows.

SECTION—B

3. What is Booting ? What is Hot and Cold Booting ? Explain the steps of Booting.

4. Explain the DOS commands :
date, copy con, type, edit, attrib.

SECTION—C

5. Explain the structure of Unix and Unix file system.
6. Explain the Unix commands :
cat, chmod, who am I, cal, rmdir.

SECTION—D

7. Explain shell programming commands-echo, read, case construct with one example program.
8. Explain the types of shells in Unix.

Exam. Code : 303502

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P.G. Diploma in Computer Application (PGDCA)

2nd SemesterINTRODUCTION TO SCRIPTING LANGUAGES,
WEB DESIGNING AND USES OF INTERNET

Paper—III

Time Allowed—3 Hours] [Maximum Marks—50

Note :— Use of non-programmable calculator is allowed.
Attempt **FIVE** questions in all, selecting at least
ONE question each from Sections A, B, C and D.
Fifth question may be attempted from any section.

SECTION—A

1. (a) Define and explain salient features of HTML. 5
(b) How frames are created and used ? 5
2. (a) Define advantages and limitations of HTML. 5
(b) How tables and lists are used in HTML ? 5

SECTION—B

3. (a) Explain various features of Front Page 2000. 5
(b) How Marquee, Counter, Banner, Hover Buttons are used in 'Front Page' ? Explain. 5
4. (a) How a web-site is created using Wizard ? 5
(b) Explain various functions that can be done on Images in Front Page. 5

SECTION—C

5. (a) Explain various types of internet connectivity in detail. 5
 (b) Write a detailed note on E-mail. 5
6. (a) Why “Virtual Reality” phenomenon is required ? How is it used ? Explain. 5
 (b) Write a detailed note on Web Publishing. 5

SECTION—D

7. (a) Explain Internet and its importance. 5
 (b) Define Worm. Explain Trojan Horse in detail. 5
8. (a) What is Cyber crime ? Explain its various types. 5
 (b) Write briefly about ‘Cookies’ and ‘Virus’. 5

Exam. Code : 303502

Subject Code : 5294

P.G. Diploma in Computer Application (PGDCA)**2nd Semester****INTRODUCTION TO SCRIPTING LANGUAGES,
WEB DESIGNING AND USES OF INTERNET****Paper—III**

Time Allowed—3 Hours] [Maximum Marks—50

Note :— Use of non-programmable calculator is allowed.
Attempt **FIVE** questions in all, selecting at least
ONE question each from Sections A, B, C and D.
Fifth question may be attempted from any section.

SECTION—A

1. (a) Define and explain salient features of HTML. 5
(b) How frames are created and used ? 5
2. (a) Define advantages and limitations of HTML. 5
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SECTION—D

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Exam. Code : 303502

Subject Code : 5297

P.G. Diploma in Computer Application (PGDCA)

2nd Semester

MULTIMEDIA SYSTEM

Paper—IV Opt. (iii)

Time Allowed—3 Hours] [Maximum Marks—50

Note :— Attempt any **five** questions. All questions carry equal marks.

1. What are the different types of multimedia ? Briefly discuss features of each type. 10
2. Distinguish between .WAV and .mp3 audio files. 10
3. What do you mean by media integration ? How different media are integrated ? Explain. 10
4. What are the various components of multimedia ? Discuss the role of each of them. 10
5. What type of hardware is required for multimedia ? Briefly discuss the need of each hardware required. 10

6. Define multimedia database. What are the features of a multimedia database ? Explain. 10
7. How data is stored and retrieved from a multimedia database ? Explain giving examples. 10
8. How multimedia content are delivered over the internet ? Explain. 10

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P.G. Diploma in Computer Application (PGDCA)
2nd Semester

NETWORK CONCEPTS AND MANAGEMENT
(Hardware Software, Setting in
LINUX/UNIX/NT Environment)

Paper—I

Time Allowed—Three Hours] [Maximum Marks—50

Note :— There are **eight** questions of equal marks. Candidates are required to attempt **five** questions, selecting at least **one** question from each Section. The **fifth** question may be attempted from any section. The students can use only Non-programmable & Non-storage type calculators.

SECTION—A

1. Explain any four network topologies with the help of diagram. Also write down advantages and disadvantages of each of them.
2. (a) Define Asynchronous Transfer Mode. How virtual circuits are formed in ATM networks ?
(b) Write short notes on the following :
 - (i) ISDN
 - (ii) Router
 - (iii) Switch
 - (iv) Hub.

SECTION—B

3. Explain asymmetric key cryptography with the help of diagram. Explain the working of RSA with the help of example.
4. (a) List the classes in classful addressing and define the application of each class.
(b) Explain different account policies in Windows NT.

SECTION—C

5. Define shell. Explain various features of shell. Write a note on different role played by shell during the program execution.
6. (a) Explain the characteristics of Unix file system.
(b) Explain commands used for changing file permissions and ownership in LINUX.

SECTION—D

7. (a) Write a note on history of UNIX operating system. Also discuss its strength and weaknesses.
(b) Explain commands used for changing file permissions and ownership in LINUX environment with help of examples.
8. (a) Compare the features of NT server, UNIX and LINUX.
(b) Differentiate between absolute and relative path in LINUX environment.

Exam. Code : 303501

Subject Code : 6877

PG. Diploma in Computer Application (PGDCA)

1st Semester

PC COMPUTING—I (MS Office 2003)

Paper—I

Time Allowed—Three Hours] [Maximum Marks—50

Note :—Attempt **FIVE** questions in all. Select at least **ONE** question each from Sections A, B C and D. The **fifth** question may be attempted from any section.

SECTION—A

1. (a) Why MS-Office is called complete office package ? 5
(b) What is done for page formatting ? Exemplify. 5
2. (a) Write a brief note on spell-checker. 5
(b) How tables are created and manipulated ? 5

SECTION—B

3. (a) Explain various Power-Point elements in detail. 5
(b) Describe different functions which can be applied for text to make slide-show. 5

4. (a) How graphs are created and inserted in Power-Point ? 5
- (b) How movies and sounds are added to Show ? Explain. 5

SECTION—C

5. (a) Explain various features of MS-Excel in detail. 5
- (b) Which are the different functions that can be carried out on different data in Excel ? 5
6. (a) How text is added, deleted and moved in a worksheet ? 5
- (b) Explain Auto and advance filters of MS-Excel. 5

SECTION—D

7. (a) How databases are handled in MS-Access ? 5
- (b) Define table. How are they created, deleted and linked ? Exemplify. 5
8. (a) Write a brief note on “Queries” and “Forms”. 5
- (b) How reports are built and the graphs are added to reports ? Explain. 5

Exam. Code : 303501
Subject Code : 6878

PG. Diploma in Computer Application (PGDCA)
1st Semester

PC COMPUTING-II (PROFESSIONAL DTP)

Paper-II

Time Allowed—3 Hours] [Maximum Marks—50

Note :— Attempt **five** questions by selecting at least **one** question from each Section. The **fifth** question may be attempted from any Section. All questions carry equal marks.

SECTION-A

1. Define the following terms :
 - (a) Vector graphics
 - (b) Resolution
 - (c) Bitmaps.
2. What are Palettes in Photoshop ? How are these arranged, resized, closed, opened and reset ?

SECTION-B

3. What do you mean by layer masks ? Discuss its working in detail. Also discuss the procedure of removing layer mask.

4. (a) Describe what are channels ? Write some tips on using the channel mixer.
- (b) What are transformations in Photoshop ?

SECTION-C

5. What are Ruler Units in Corel Draw ? Explain how to change Ruler Units or measurements in Corel Draw 9.
6. Explain any five tools of Toolbox in Corel Draw 9.

SECTION-D

7. What are the various types of transformations available under Corel Draw 9 ? Explain.
8. Explain with an example the following in Corel Draw 9 :
 - (a) Weld
 - (b) Trim
 - (c) Intersect
 - (d) Simplify.