

Term Paper for PGDCA (Session 2018-2019)

NOTE: Attempt Any 4 Questions

PGDCA-1 INTRO TO IT

1. Draw a block diagram of computer system and explain the functions of various units.
2. What are the types of memories available in the computer system?
3. Explain the various types of input-output devices in detail.
4. What is number system? Explain how a decimal number is converted into binary, octal and hexadecimal number and vice versa. Give an example of each conversion.
5. What is Software? Explain various types of software in detail.
6. What is computer language? Explain different types of programming languages.

PGDCA-2 OPERATING SYSTEM

1. What is OS? Explain various types of OS.
2. What is DOS? Explain booting process of DOS.
3. Explain various internal and external commands of DOS. Give examples also.
4. Write various features of Windows OS.
5. What is Control Panel? Explain any 10 tools from Windows control panel.
6. What is UNIX? Explain the architecture of UNIX.

PGDCA-3 DBMS

1. What is DBMS? How it differs from traditional file processing system.
2. What do you mean by data model? Explain in brief various data models.
3. What is an E-R Diagram? Explain various constructs for drawing E-R Diagram.
4. What do you mean by Functional Dependency? What is its importance in Database design? Explain with example.
5. Define Normalization. Explain various normal forms.
6. What is MS-Access? What are the various ways of creating table in MS-Access?

PGDCA-4 : PROBLEM SOLVING USING C

1. List and explain the different types of unary, logical and relational operators available in C language.
2. What are functions? Explain with the help of an example the use of recursive functions.
3. List different types of control statements available in C language. Demonstrate the working of Nested else-if statement with the help of an example.
4. What are Arrays? Explain with the help of an example the working of multi dimensional arrays.
5. Write a note on Pointers.
6. Explain the Bubble sort.

PGDCA-5 : INTRODUCTION TO COMPUTER NETWORK, INTERNET AND E-COMMERCE

1. What are computer networks? List different applications of computer networks in our day to day life.
2. Explain the OSI reference model.
3. List and explain different types of topologies used in computer networks.
4. Write a note on wireless transmission.
5. Write a note on Firewalls.
6. What is EDI? List its various applications.

PGDCA-6 : MANAGEMENT INFORMATION SYSTEM

1. What is MIS? List and explain the characteristics of MIS.
2. Explain the SIMON model for decision making.
3. Explain the various SDLC stages.
4. Write a note on different structured analysis tools.
5. Write a note on different models used in SDLC.
6. Write a note on Nolan stage model.