

Time allowed: 3 hours

Max marks: 100

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

Q.1: Explain types of computers with respect to size and processing power.

Q.2: Briefly discuss about microprocessor?

Q.3: Convert the following.

i. $(4001)_{16}$ to binary.

ii. 2406 to binary.

Q.4: Explain BCD and ASCII.

Q.5: Discuss advantages and disadvantages of the Internet.

Q.6: Define network. Discuss various types of networks.

Q.7: Discuss various features of word processor and spreadsheet software.

Q.8: Discuss the following.

i: NIC

ii. Modem

iii. Switch

iv. Router

Time: 3 hrs

Max marks: 50

Note: Part – A is compulsory. It should be attempted on the question paper & will be handed over to the Supdt: after the first 20 minutes. Cutting, Erasing, overwriting & use of pencil is not allowed. Mobile Phone & Programmable calculators are not allowed.

Part-A

Time: 20 Minutes

Marks : 10

Q.1: – Fill in the blanks.

- i. Shortcut of save is _____
- ii. Shortcut of Save As is _____
- iii. Shortcut of Go TO is _____
- iv. CTRL + Y is used for _____
- v. CTRL + P is used for _____
- vi. In MS Word F7 is used for _____
- vii. In MS Excel function _____ is used to calculate Average.
- viii. MAX function will return the _____ value in a given list of arguments.
- ix. PPTX is file extension of _____
- x. In PowerPoint F5 is used for _____

Part-B

Time: 2 hrs 40 Mins

Marks : 40

Note: Attempt any four questions by selecting at least one question from each section. All questions carry equal (10) marks.

Section A

Q.2: Discuss different methods to perform the following in MS Word

I) Cut II) Copy III) Paste IV) Undo V) Redo

Q.3: Write detailed procedure to perform the following in MS Word

I) Find II) Replace III) Go To IV) Print Page V) Page setup

Q.4: Write in detailed procedure of the following in MS Word

I) Insert table II) Bullets and Numbers III) spelling and grammar check

Section B

Q.5:- Write short note on following functions of Excel.

i) Workbook ii) Worksheet iii) CELL iv) Column v) Merged cell

Q.6:- Discuss the following excel functions with examples.

I) Max II) IF III) Date IV) Sum V) Upper

Section C

Q.7: -Discuss different view options available in PowerPoint.

Q.8: – Write short note on the following.

- a) How to start PowerPoint and open existing presentation?
- b) Adding sound to animation in PowerPoint.

Time allowed: 3 hours

Max marks: 100

Note: Attempt any five questions. Select at least two questions from each part. All Questions carry equal marks. Mobile Phone & Programmable calculators are not allowed.

(Part-I)

Q.1: Discuss Network Operating System? Discuss its main function.

Q.2: Explain Non-Preemptive Algorithm in detail?

Q.3: Write the Steps to Configure Remote Desktop Access on Window 7?

Q.4: Discuss the important features of window 2007?

(Part – II)

Q.5: Discuss Window Server 2008 features in detail?

Q.6: Define DNS Server? Discuss DNS Roles.

Q.7: What is file system? Explain its types.

Q.8: Write note on the following Linux commands?

(i) Head

(ii) Mail

(iii) Echo

Time allowed: 3 hours

Max marks: 50

Note: Attempt any five questions. All questions carry equal marks. Mobile phone & programmable calculators are not allowed.

Q.1: Define Network with its types?

Q.2:- a) Define media?

b) Define coaxial cable with its types?

Q.3:- a) Define the purpose of followings.

i. BNC ii. RJ

b) Define Fiber-optic cable?

Q.4: Write note on OSI model?

Q.5:- a) Define Ipv 6?

b) What does Subnet mean?

Q.6:- a) Define Server-base network?

b) Define Topology? Define star and Ring topology?

c) Define start and Ring topology

Q.7:- a) Define Protocol?

b) Differentiate between routed and routing protocols?

Q.8:- Define Followings.

a) MAC Address b) Bridge c) Passive Hub

d) Baud Rate e) Modem

Diploma in Information Technology

(Part -I)

1st Term Examination 2022

Paper: Computer Programming C / C + +

Time allowed: 3 hours

Max marks: 50

Attempt any five questions. All questions carry equal marks.

Q.1: Write the advantage of C language.

Q.2: What are reserved words? Explain its usage with the help of program example.

Q.3: Write a C program using while loop that takes an integer for a variable X, and Return the sum of all the numbers from 1 to X. Hints: X=3, should return 6 which is 1+2+3

Q.4: Explain the purpose and syntax of the following Functions.

a) Puth () b) getch () c) getche () d) gets ()

Q.5: Write a C program that input Five-digit number, into its individual digits and print the digits separated from one another by three spaces each. Hints: for example, if user types in 42321, the program should print 4 2 3 2 1.

Q.6: Write a C program to find out maximum value from three integer values, using conditional operator.

Q.7: Explain the syntax of if else statement with suitable program example.

Q.8: Write short note on the following.

a) Size of () operator

b) Priority of operators