

MARKING SCHEME COMPUTER SCIENCE MODEL PAPER CLASS 9

SCORING KEYS Section-A (MCQs)

Marks: 11

MCQs No.	Answer Key
1	A
2	B
3	C
4	D
5	A
6	D
7	B
8	D
9	D
10	A
11	A

RUBRICS
SECTION-B

1. Attempt any Seven of the following Short Questions. Each Question Carries 4 Marks.

i: Differentiate Expansion slots VS Expansion Card.

Answer: Expansion Slot: 2

It is a socket where a circuit board or expansion jacket, where a card can be inserted into the motherboard to add new devices to the computer, for example PCI slot.

Expansion Card: 2

It is also a small circuit board/card that can be inserted into the expansion slot on the motherboard to add new devices to increase the functionality of PC. For example sound card.

Checking/Marking Hint	Marks
Correct Definition	1+1
Example	1+1

ii: Differentiate Single-User VS Multi-User operating System.

Answer: Single-User: 2

Single user performs the variety of task simultaneously with saving time but consumes lots of space in memory.

Multi-User: 2

In multi user each user is accessing the same operating system at different machines by accessing a single network server.

Checking/Marking Hint	Marks
Correct Definition	1+1
Example	1+1

iii: Differentiate Data rate vs Baud Rate

Answer: Data: 2

Data is the speed at which binary digits (bits) would be transmitted over a communication path and expressed in Bits/seconds (bps).

Baud Rate: 2

It is the unit of signaling speed in which number of times a signal changes its states per second.

Checking/Marking Hint	Marks
Correct Definition	1+1
Formula	1+1

iv: Explain four uses of hyperlinks in word document

Answer: Uses: 4

1-Connects Readers to another portion of document

2-Mark any location in the document

3-Directing other Specific site

4-Adding Bibliography for any Assignment purpose

Checking/Marking Hint	Marks
Each Correct Use	1+1+1+1

v: Write four Examples of word Processing in Software.

Answer: Examples:

4

1. **MS WORD**
2. **WORD PERFECT**
3. **OPEN OFFICE WORD**
4. **GOOGLE DOCS**

Checking/Marking Hint	Marks
Each Correct Example	1+1+1+1

vi: Define the following in MS Word Window Components

1-Title Bar:

2

Top most bar of any document which contain name of that current document in the center and control buttons at right side

2-Status Bar:

2

It is located at the bottom of the Word Window which gives information about the present status of the document such as the current page and the number of words in the document which is depicted.

Checking/Marking Hint	Marks
Correct Definition	1+1
Explanation	1+1

vii: Explain the following:

1-Sending devices:

2

The device which is used in a communication system to send or transmit data to another device

2-Receiving device:

2

The device which is used in a communication system to receive the messages from another device.

Checking/Marking Hint	Marks
Correct Definition	1+1
Example	1+1

viii: Explain four uses of Networks briefly.

Answer: Uses:

4

1. Data Sharing
2. Communication
3. Resource Sharing
4. E-Commerce

Checking/Marking Hint	Marks
Each Correct Use	1+1+1+1

ix: Explain four ways of spreading of virus in Computer

Answer Four ways of spreading virus:

4

1. Infected Flash Drives/CD's;
2. Pirated Software

3. Network and Internet
4. E-mail attachments

Checking/Marking Hint	Marks
Each Correct Way	1+1+1+1

SECTION-C

Q2: Explain in detail four basic icons of GUI O.S

Answer: Four Basic Icons of GUI:

The four Basic icons of GUI in operating system are:

2+2+2+2 = 8

1. This PC

In **windows 2000** till **window XP** the icon “**MY Computer**” was used but in latest operating system, this icon is replaced by “**This PC**”. This icon not present on Desktop by default. This icon shows all resources in computer including drivers, control panel and data.

2. Recycle Bin

Recycle Bin keeps only that files that have been deleted from computer weather accidentally or intentionally which can be restore if user wants.

3. Control Panel

It is the control center of the computer which allows users to view and change the settings for programs like adding or removing software and hardware devices.

4. Network

This icon is used to view and set the Network resources of the computer. If Network is not appeared by default then click on arrow for its appearance.

Checking/Marking Hint	Marks
Correct Definition	1+1+1+1
Explanation	1+1+1+1

Q3: Explain two modes of data communication in details.

Answer: Modes of Communication:

The two modes of communication transmission are:

4+4 = 8

- Synchronous Transmission

In this type of transmission, data is transmitted block by block or word by word simultaneously. During this process a special device is used to transmit information which is called “**Synchronized clock**”. Large blocks of bytes are transmitted at regular interval without any start\stop signals. It needs for sending and receiving device for the data transmission. It require more expensive equipment but provides greater speed and accuracy.

For Example;

Communication between printer and computer

- Asynchronous Transmission

This type of communication can start at any time and stops at any time A start bit (0) marks the beginning of a byte and a stop bit(1) marks the end of byte. An additional bit called a parity bit is sometime included at the end of each byte to allow for **error checking**. In this transmission it does not occur at predetermined or at regular interval.

Checking/Marking Hint	Marks
Correct Definition	2+2
Explanation	2+2

Q4: What is WAN? Write its three advantages and disadvantages.

Answer: WAN:

2

The term WAN full form is wide area network, it can be used much-advanced technology such as ATM, SONET, frame relay and many more. It can cover multiple smaller networks such as LANs or MANs. WAN can connect computers all around the world together, for example Internet

Advantages:

3

1-You enter your data remotely through any device connected on WAN.

2-People can communicate with each other in different countries via video calls or video conferencing for official online meeting.

3-You can store your data on centralized server and then can share with another users.

Disadvantages:

3

1-data security threat is a big issue in WAN. When you transfer data on wan then there is high chances of hacking data and also attackers may attack on data for getting access.

2-Wan is expensive than LAN because the devices it requires are costly.

3-Resource management in WAN is difficult and an expert user may perform the management task.

Checking/Marking Hint	Marks
Correct Definition	1
Example	1
3 Advantages	1+1+1
3 Disadvantages	1+1+1