



FIRST TERM SCHOOL-BASED ASSESSMENT (SBA) 2026-27

GRADE-6

SUBJECT: COMPUTER SCIENC

[Paper A: 15 Marks, Paper B: 35 Marks, Total: 50 Marks]

School Name: _____

Student Name

Roll

Section

:

Number :

:

OBJECTIVE PART(MCQs)

Question No.1 : The parts of the computer system that can physically be touched are called:

- (a) Software (b) Operating system **(c) Hardware** (d) Program

Question No.3 : The system used to control movement of car is known as:

- (a) Communication **(b) Navigation** (c) Environment management (d) Digital experiments

Question No.5 : Choose the output device used for the presentation.

Question No.2 : A set of programs that can control and organise all part of the computer system is called:

- (a) Application Software **(b) System Software** (c) Utility program (d) Device driver

Question No.4 : CPU manufacturing is a part of:

- (a) Industry** (b) Finance (c) Communication (d) Management

Question No.6 : RAM is Random Access Memory while ROM is:

- (a) Write Only Memory **(b) Read Only Memory**

Explain the use of a Mouse and Barcode reader. (4 Marks)

ماؤس اور بار کوڈ ریڈر کے استعمال کی وضاحت کریں۔ (4 نمبر)

Item Rubric (English) :

Award Two Marks for the use of a Mouse.

Award Two Marks for the use of Broadcast Reader.

Acceptable Answer:

Use of Mouse

Important uses of a computer mouse is to move the cursor from place to place, open an icon, close or open an application, select a folder, a text file, or drag-and-drop. All this work is done through the mouse in a computer.

Use of Barcode Reader

Barcode readers capture and translate barcodes of different products into numbers and letters for translation by computer. Barcode scanners can be connected to a computer through a serial port.

Write down the names of any four operating systems. (4 Marks)

کوئی سے چار آپریٹنگ سسٹم کے نام لکھیں۔ (4 نمبر)

Item Rubric (English) :

Award One Mark for each correct name of each Operating System.

Accepted Answer:

1. Android:

2. Mac:

3. Linux:

4. Windows:

Write down the name of the basic components of a computer. (4 Marks)

کمپیوٹر کے بنیادی اجزاء کے نام لکھیں۔ (4 نمبر)

Item Rubric (English) :

Award One Mark for each correct name of the basic components of a computer.

Acceptable Answer:

Basic components of a computer:

1. Input devices
2. output devices
3. Memory unit
4. Control unit
5. Arithmetic and logic unit

SUBJECTIVE PART(CRQs)

Question No: 11

- a) Define CRT and LCD. (4 Marks)**
- b) Write down the name of different types of monitors. (2 Marks)**
- c) Write down the name of the basic components of a computer. (4 Marks)**

Question No: 12

- a) Define Booting Process and File Management. (2 Marks)**
- b) Explain the use of a Mouse and Barcode reader. (4 Marks)**
- c) Write down the names of any four operating systems. (4 Marks)**

Question No: 13

- a) Write down the names of any three operating systems. (6 Marks)**
- b) List down the names of any three parts of the desktop in MS-Windows. (6 Marks)**
- c) Write down the steps to create a new folder on the computer. (3 Marks)**

Write down the name of different types of monitors. (2 Marks)

Item Rubric (English) :

Award One Mark for each correct type of Monitor.

Acceptable Answer:

Types of Monitors:

There are three kinds of monitors:

1. CRT(cathode Ray Tube)
2. Flat pannel display

مختلف قسم کے مانیٹرز کے نام لکھیں۔ (2 نمبر)



OBJECTIVE PART(MCQs)

Question No.1 : The parts of the computer system that can physically be touched are called:

- (a) Software (b) Operating system (c) Hardware (d) Program

Question No.3 : The size of first-generation computers was:

- (a) Small (b) Very small (c) Medium (d) Large

Question No.5 : RAM is also known as:

- (a) Non-volatile (b) ROM (c) Secondary (d) Volatile

Question No.7 : Speed of RAM relative to ROM is:

- (a) Slower (b) Faster (c) Opposite (d) Similar

Question No.9 : Identify the position of the notification area located on the taskbar.

- (a) Left (b) Right (c) Top (d) Bottom

Question No.2 : A set of programs that can control and organise all part of the computer system is called:

- (a) Application Software (b) System Software (c) Utility program (d) Device driver

Question No.4 : Aeronautic navigation is used for:

- (a) Communication (b) Measurement (c) Manufacturing (d) Monitoring

Question No.6 : 1 KILOBYTE is equal to:

- (a) 1024 BITS (b) 1024 BYTE (c) 1024 MEGABYTE (d) 1024 GIGABYTE

Question No.8 : Graphic plotter is a(an):

- (a) Input device (b) Output device (c) Processing device (d) Storage device

Question No.10 : A small picture representing a file/folder or a program in a computer system is known as:

- (a) Icon (b) Tools (c) Text (d) Symbol

OBJECTIVE PART(MCQs)

Question No.1 : The parts of the computer system that can physically be touched are called:

- (a) Software (b) Operating system **(c) Hardware** (d) Program

Question No.3 : The system used to control movement of car is known as:

- (a) Communication **(b) Navigation**
(c) Environment management (d) Digital experiments

Question No.5 : Choose the output device used for the presentation.

- (a) Graphic plotter (b) Flat-panel display **(c) Multimedia projector** (d) Cathode ray tube

Question No.7 : Joystick is mainly used for:

- (a) Playing videos **(b) Playing games** (c) Internet (d) Scanning

Question No.9 : Security Management of the computer is the responsibility of:

- (a) Security Manager **(b) Operating System** (c) Device Driver (d) Computer Hardware

Question No.2 : A set of programs that can control and organise all part of the computer system is called:

- (a) Application Software **(b) System Software** (c) Utility program (d) Device driver

Question No.4 : CPU manufacturing is a part of:

- (a) Industry** (b) Finance (c) Communication (d) Management

Question No.6 : RAM is Random Access Memory while ROM is:

- (a) Write Only Memory **(b) Read Only Memory**
(c) Random Access Memory (d) Ready Access Memory

Question No.8 : Barcode reader is a(n):

- (a) Output device **(b) Input device**
(c) Processing device (d) Storage device

Question No.10 : A small picture representing a file/folder or a program in a computer system is known as:

- (a) Icon** (b) Tools (c) Text (d) Symbol

OBJECTIVE PART(MCQs)

Question No.1 : The period of third-generation computers was:

- (a) 1940 – 1955 (b) 1957 – 1963 (c) 1971 – 1980 (d) 1964 – 1971

Question No.3 : The Newsletter is an application of ICT in:

- (a) Business (b) Communication (c) Industry (d) 3D Printing

Question No.5 : The unprocessed data coming from some device is called:

- (a) Input (b) Processing (c) Output (d) Storage

Question No.7 : In the computer system, all the mathematical operations are performed in:

- (a) Memory unit (b) Control unit (c) Arithmetic & Logic unit (d) Storage unit

Question No.9 : Identify the position of the notification area located on the taskbar.

- (a) Left (b) Right (c) Top (d) Bottom

Question No.2 : The processed form of data is called:

- (a) Hardware (b) Software (c) Data (d) Information

Question No.4 : Aeronautic navigation is used for:

- (a) Communication (b) Measurement (c) Manufacturing (d) Monitoring

Question No.6 : RAM is Random Access Memory while ROM is:

- (a) Write Only Memory (b) Read Only Memory
(c) Random Access Memory (d) Ready Access Memory

Question No.8 : Graphic plotter is a(an):

- (a) Input device (b) Output device (c) Processing device (d) Storage device

Question No.10 : A small picture representing a file/folder or a program in a computer system is known as:

- (a) Icon (b) Tools (c) Text (d) Symbol

Define data and information. Also write the process of transforming data into information with example. (4 Marks)

ڈیٹا اور معلومات کی تعریف کریں۔ اور ڈیٹا کو معلومات میں تبدیل کرنے کا عمل مثال کے ساتھ لکھیں۔ (4 نمبر)

Item Rubric (English) :

Award One Mark for each correct definition of data and information.

Award Two Marks for process explanation.

Award One Mark for correct example.

Accepted Answer:

Data:

A collection of raw facts and figures which does not have a proper meaning is called data.

Information:

Processed form of data which has some meaning is called information.

Process of conversion data into information:

Some methods or functions are applied on data to convert it to information which is called processing. So, by applying some processing on data we can convert it into useful information.

Example of conversion data into information:

Test papers collection of a class is data while after processing this data if we convert this data into report cards of the students then it will be called as information which has a specific meaning.

a) Define RAM and ROM, also differences between RAM and ROM. (6 Marks)

RAM اور ROM کی تعریف کریں، ان میں فرق بھی تحریر کریں۔ (6 نمبر)

Item Rubric (English) :

Award One Mark for each correct definition of RAM and ROM.

Award One Mark for each correct difference between RAM and ROM up to Four Marks.

Acceptable Answer:

Definition of RAM:

RAM stands for Random Access Memory. it is a volatile memory.

Definition of ROM:

ROM stands for Read Only Memory. it is a non-volatile memory.

Differences between RAM and ROM

RAM	ROM
Ram is Random Access Memory.	ROM is Read-Only Memory.
RAM is expensive when compared to ROM.	ROM ROM is cheaper when compared to RAM.
The speed of RAM is higher when compared to ROM	ROM speed is slower than RAM.
Data in RAM is volatile, it will exist as long as power is not lost.	Data present in ROM is non-volatile, it remains unchanged even when power is lost.

ANSWERS / RUBRICS

Question No: 11

سوال نمبر 11

a) Define CRT and LCD. (4 Marks)

CRT اور LCD کی تعریف کریں۔ (4 نمبر)

Item Rubric (English) :

Award Two Marks for the correct definition of CRT.

Award Two Marks for the correct definition of LCD.

Acceptable Answer:

Definition of CRT:

The CRT is a type of vacuum tube that displays images when the electron beams emitted by electron guns strike on the phosphorescent surface.

Definition of LCD:

LCD (Liquid Crystal Display) is a type of flat panel display that uses liquid crystals in its primary form of operation.

Question No: 13

سوال نمبر 13

a)_Write down the names of any three operating systems. (6 Marks)

کوئی سے تین آپریٹنگ سسٹم کے نام لکھیں۔ (6 نمبر)

Item Rubric (English) :

Award Two Marks for each correct name of the operating system.

Acceptable answers:

Names of Operating Systems:

1. Windows
2. Mac
3. Linux
4. Android

a) Define Booting Process and File Management. (2 Marks)

بوٹنگ پروسیس اور فائل مینیجمنٹ کی تعریف کریں۔ (2 نمبر)

Item Rubric (English) :

Award One Mark for correct definition of the booting process.

Award One Mark for correct definition of the File Management.

Acceptable Answer:

Booting Process:

The process to start a computer system is called booting process.

File Management:

Enable the user to save, delete rename, print and copy files.

Explain the use of a Mouse and Barcode reader. (4 Marks)

ماؤس اور بار کوڈ ریڈر کے استعمال کی وضاحت کریں۔ (4 نمبر)

Item Rubric (English) :

Award Two Marks for the use of a Mouse.

Award Two Marks for the use of Broadcast Reader.

Acceptable Answer:

Use of Mouse

Important uses of a computer mouse is to move the cursor from place to place, open an icon, close or open an application, select a folder, a text file, or drag-and-drop. All this work is done through the mouse in a computer.

Use of Barcode Reader

Barcode readers capture and translate barcodes of different products into numbers and letters for translation by computer. Barcode scanners can be connected to a computer through a serial port.

Write the four steps to create image stickers. (4 Marks)

Item Rubric (English) :

Award One Mark for each correct step.

Acceptable answer:

Create image stickers:

1. Select the 3D shapes tool from the toolbar
2. Select the 3D mode and drag out an object
3. Select the stickers tool
4. Add the sticker to complete the animated look

تصویری سٹیکرز بنانے کے لیے چار مراحل لکھیں۔ (4 نمبر)

Write four steps to create a 3D text. (4 Marks)

3D ٹیکسٹ بنانے کے لیے چار مراحل لکھیں۔ (4 نمبر)

Item Rubric (English) :

Award One Mark for each correct step.

Acceptable answer:

Create 3D text:

- Select the text tool, and then select the style options.
- Select the font and style options
- Click outside the text box
- Edit rotate and flip the text as required

Question No: 12

سوال نمبر 12

a)_Write down the place of right and left hand fingers while typing on keyboard. (2 Marks)

کی بورڈ پر ٹائپ کرتے وقت دائیں اور بائیں ہاتھ کی انگلیوں کی جگہ لکھیں۔ (2 نمبر)

Item Rubric (English) :

Award One Mark for writing each correct finger place.

Acceptable Answer

While typing on keyboard

Fingers of left hand should be placed on ASDF

Fingers of right hand should be placed on JKL;

Write the names of the common types of software. (2 Marks)

سافٹ ویئر کی عام اقسام کے نام لکھیں۔ (2 نمبر)

Item Rubric (English) :

Award One Mark for each correct name of the most common types of software.

Acceptable answer:

Most common types of Software:

- System software
- Application Software
- Driver Software
- Utility Program

Write down the steps to save a drawing in Paint. (4 Marks)

پینٹ میں ڈرائنگ کو محفوظ کرنے کے مراحل لکھیں۔ (4 نمبر)

Item Rubric (English) :

Award One Mark for each correct step of to save drawing in Paint.

Acceptable Answer:

Steps to Save Drawing in Paint 3D:

1. Select Menu from Toolbar.
2. Select save option from drop down menu.
3. A dialog box appears where you can write drawing name and select file location
4. Click on save button