

SCHOOL-BASED ASSESSMENT (SBA) - 2025

END-OF-YEAR ASSESSMENT

SUBJECT: COMPUTER SCIENCE

GRADE-8

FINAL TERM

[Paper A: 48 Marks, Paper B: 52 Marks, Total: 100 Marks], Time = 3 hours

School Name: _____

Student Name : _____

Roll Number : _____

Section : _____

OBJECTIVE PART(MCQs)

Question No.1 : Emerging Technology is referred as:

- (a) Computer Technology (b) New Technology
(c) Old Technology (d) Applied Technology

Question No.3 : Identify the maximum frequency of the infrared spectrum.

- (a) 300 THz (b) 400 THz (c) 500 THz (d) 600 THz

Question No.5 : Rows in MS Excel worksheet are arranged:

- (a) Vertically (b) Horizontally (c) Diagonally (d) Central

Question No.7 : Choose the correct syntax of the SUM function in a spreadsheet:

- (a) = SUM(A1 : A10) (b) = SUM(A1*A10)
(c) = SUM(A1 + A10) (d) = SUM(A1 = 10)

Question No.9 : MS Excel is developed by:

- (a) Microsoft (b) Google (c) Apple (d) Meta

Question No.11 : In Google Sheets, multiply formula can be used for calculations such as:

- (a) = 1x1 (b) = 1 : 1 (c) = 1*1 (d) = 1; 1

Question No.13 : The last step of the algorithm is expressed as:

- (a) Start (b) Finish (c) Stop (d) Break

Question No.15 : In division process, Mod operator "%" is used to show the:

- (a) Remainder (b) Quotient (c) Dividend (d) Divisor

Question No.17 : Purpose of using nested if statement is:

- (a) To simplify formulas (b) To test multiple conditions
(c) To perform calculations (d) To format cells

Question No.19 : Non-textual labguage is:

- (a) GW Basic (b) C (c) C++ (d) Scratch

Question No.21 : In Scratch, for creating a countdown from 5 to 1, you will repeat until:

- (a) 4 (b) 5 (c) 6 (d) 7

Question No.23 : This capability allows a sprite to duplicate itself.

- (a) Function (b) Cloning (c) Block (d) Loop

Question No.25 : Copyright law can be defined as:

- (a) Unauthorised way to copy data (b) Agreement to share content
(c) Right to copy someone else's work (d) Exclusive right to reproduce a work

Question No.27 : A software that interrupts a computer's regular operation is known as:

- (a) Virus (b) Antivirus (c) Hardware (d) Program

Question No.2 : Data transfer rate of 5G is:

- (a) 20 kbps (b) 20 Gbps (c) 5 Gbps (d) 10 Gbps

Question No.4 : MS Excel is used for:

- (a) Printing (b) Calculation (c) Scanning (d) Painting

Question No.6 : In MS Excel, commands related to font alignment are found in:

- (a) Home Tab (b) Insert Tab (c) Formula Tab (d) Data Tab

Question No.8 : Free online web-based spreadsheet application is:

- (a) Google Sheets (b) Microsoft Excel Online
(c) Zoho Sheet (d) OnlyOffice Spreadsheet

Question No.10 : In a spreadsheet, the formula always starts with:

- (a) = (b) ((c)) (d) /

Question No.12 : Developing a step by step approach for solving a problem is called:

- (a) Decomposition (b) Algorithm design (c) Abstraction (d) Pattern decognition

Question No.14 : The recommended directions for flow lines in a flow chart are:

- (a) Right to left (b) Top to bottom and left to right (c) Diagonal (d) Bottom to top

Question No.16 : In if statement, execution is performed when condition is:

- (a) False (b) Long (c) True (d) Short

Question No.18 : A set of instructions is called:

- (a) Data (b) Information (c) Program (d) Language

Question No.20 : The meaning of term loop in programming is:

- (a) A type of function (b) A way to repeat a block of code
(c) A method of sorting data (d) A data structure

Question No.22 : In Scratch, the list of sprites is typically situated to this of the stage.

- (a) Right (b) Left (c) Above (d) Below

Question No.24 : Internet is also called the network of:

- (a) Computers (b) Networks (c) Transmission (d) Information

Question No.26 : Internet has changed the physical classroom into:

- (a) Auditorial (b) Traditional (c) Virtual (d) Individual

Question No.28 : Unauthorized access to a computer system or network is:

- (a) Ransomware (b) Hacking (c) Spyware (d) Phishing

Question No.29 : The process of exchanging amounts to get products and services is called:

(a) ATM (b) Transaction (c) Credit Card (d) Debit Card

Question No.31 : Select the platform used by more female users than males for advertising their products.

(a) Blogs (b) Twitter (c) Instagram (d) LinkedIn

Question No.30 : Social media marketing is a key component of:

(a) Email marketing (b) Mobile marketing

(c) Analog marketing (d) Digital marketing

Question No.32 : The type of marketing in which advertising is done through apps and text messages is:

(a) Email marketing (b) Mobile marketing

(c) Content marketing (d) Video marketing

SUBJECTIVE PART(CRQs)

Question No: 33

a) In MS Excel, write the Sum and Average function If A1=15 and A2=18 and also write their correct output. (5 Marks)

b) Write the three differences between the workbook and the worksheet. (5 Marks)

Question No: 34

a) Write the features of Google spreadsheets. (5 Marks)

b) Differentiate between transaction and payment. (5 Marks)

Question No: 35

a) Write an algorithm to find a number that is even or odd. (5 Marks)

b) Define pseudocode and write their basic structure. (5 Marks)

Question No: 36

a) Define scratch, and write down any four advantages of scratch. (6 Marks)

b) Enlist any six categories of blocks from scratch. (6 Marks)

Question No: 37

a) Define SEO and write three steps to optimize your website. (5 Marks)