Class 8ᵗʰ (MSSE)

MODEL PAPER COMPUTER EDUCATION (ENGLISH VERSION)

Student Name:_____	Roll No					

Section A: Multiple Choice Questions

Marks: 40   **Time: 60 Minutes**

Q.1	11 MOD 2 =
	 The result of the given arithmetic expression will be:
	   A. 22
	   B. 9
	   C. 1
	   D. 5.5
		Q.2	In MS Excel, which of the following keys is used to obtain result of a formula?
			
			   A. Space bar
			   B. Control
			   C. Shift
			   D. Enter

Q.3	The connection of two or more computers is called a computer
	
	   A. resource.
	   B. network.
	   C. program.
	   D. software.
		Q.4	The best choice of transmission media for long distance and high speed data communication is:
			   A. DSL
			   B. ISDN
			   C. Telephone line
			   D. Fibre optic

Q.5	File, Edit, View, Insert, Format commands are the part of
	   A. Tool bar.
	   B. Title bar.
	   C. Menu bar.
	   D. Formula bar.
		Q.6	The first character of the variable name must be a / an
			   A. even number.
			   B. sign.
			   C. alphabet.
			   D. reserved word.

Q.7	Online reservation system of airlines is an example of
	   A. LAN.
	   B. MAN.
	   C. WAN.
	   D. PAN.
		Q.8	By default, the path of saving MS Excel workbook is
			   A. My Documents.
			   B. My Computer.
			   C. Desktop.
			   D. Network.

Q.9	A harmful program that enters into a computer without the user's knowledge is a/an
	   A. virus.
	   B. worm.
	   C. adware.
	   D. malware.
		Q.10	The cutting edge technology used for weather forecasting and television broad casting is:
			   A. Bluetooth communication system
			   B. Global positioning system
			   C. Cellular communication system
			   D. Satellite communication system

Q.11	In spreadsheet if we want to find net pay of an employee we will write:
	   A. Net pay = Gross pay + Tax
	   B. Net pay = Gross pay + Hour rate
	   C. Net pay = Gross pay x Hour rate
	   D. Net pay = Gross pay - Tax
		Q.12	In a spreadsheet, the 'No Fill' option is available in
			   A. Colour button.
			   B. Fill colour button.
			   C. Border button.
			   D. Format button.

Q.13	The arithmetic expression 11 / 2 = A. 5 B. 5.5 C. 22 D. 13	Q.14	Graphical representation of a computer program is called a A. chart. B. graph. C. flowchart. D. process.
Q.15	To perform mathematic operation we use A. analytical expression. B. arithmetic expression. C. relational expression. D. logical expression.	Q.16	Online email scanning and on demand scanning is provided by: A. McAfee B. AVG C. Symantec D. Norton
Q.17	Viruses usually infect the A. processing devices. B. storage devices. C. communication devices. D. input / output devices.	Q.18	The slowest network device is: A. Network Interface Card B. Dial up modem C. Blue tooth D. Switch
Q.19	Given below is a BASIC program finding the product of five numbers. 10 INPUT A, B, C, D, E 20_____ 30 PRINT product 40 END The statement written on line 20 should have been: A. P = A * B* C* D* E B. P = = A * B* C* D* E C. Product = A * B* C* D* E D. Product = = A * B* C* D* E	Q.20	A group of cells which runs horizontally is called A. column. B. row. C. table. D. cell.
Q.21	In programming, if a problem is not solved, the process should be A. stopped. B. eliminated. C. skipped. D. restarted.	Q.22	The result of the following arithmetic expression will be: X = 3 + 7 ^ 2 – 25 A. – 8 B. – 5 C. 27 D. 75
Q.23	You are given a task to enter two numbers, add them and then display the result. For this problem, the output will be : A. Entering two numbers. B. Displaying the sum. C. Calculating the average. D. Adding the numbers.	Q.24	A device that accepts the transmitted data is called a A. communication device. A. transmission medium. B. sending device. C. receiving device.
Q.25	Time saving features of data entry in Excel is called A. formatting. B. editing. C. entering. D. auto-filling.	Q.26	105 \ 5 x 5MOD 3 + 2 In the given expression, the integers division will be done at A. 1st step. B. 2nd step. C. 3rd step. D. 4th step.

Q.27	For carrying communication signals (data) from one place to another we use
	    A. sending device.
	    B. receiving device.
	    C. communication device.
	    D. transmission medium.
		Q.28	The services provided by server computer are
			    A. dependent.
			    A. limited.
			    B. centralized.
			    C. decentralized.

Q.29	In a flowchart of making tea, the only process involved will be:
	
	    A. Add sugar
	    B. Add milk
	    C. Add tea leaves
	    D. Boil the water
		Q.30	The best choice of detection and removing the virus from computer is to scan the
			    A. whole computer.
			    B. selected items.
			    C. selected drives.
			    D. selected folders.

Q.31	The Auto-fill, Autocorrect, and Auto-format features are available in:
	    A. Notepad
	    B. Typing tutor
	    C. MS Paint
	    D. MS Excel
		Q.32	When we have to find smallest value in a set of numbers, we use
			    A. SUM function.
			    B. SQRT function.
			    C. MAX function.
			    D. MIN function.

Q.33	In a flowchart the rectangular symbol is used for
	    A. Input / output.
	    B. Decision.
	    C. Processing.
	    D. Data flow.
		Q.34	In computer networking, MAN stands for
			
			    A. Mobile Area Network.
			    B. Multiple Area Network.
			    C. Metropolitan Area Network.
			    D. Multimedia Area Network.

Q.35	Virus spread in different computers through e-mail attachments with file extension
	    A. .ppt
	    B. .exe
	    C. .doc
	    D. .xls
		Q.36	The command which allows to duplicate the data at different places is:
			
			    A. Copy
			    B. Paste
			    C. Cut
			    D. Edit

Q.37	While entering data in an Excel cell, the data is also shown in
	    A. Menu bar.
	    B. Title bar.
	    C. Formatting bar.
	    D. Formula bar.
		Q.38	In order to keep a computer virus-free we need to
			    A. restart computer.
			    B. scan computer.
			    C. refresh the computer.
			    D. turned off the computer.

Q.39	In BASIC, if we misspell reserved words, then the error appear will be
	
	    A. physical error.
	    B. human error.
	    C. syntax error.
	    D. logical error.
		Q.40	READ A, B, C
			DATA 1, 2, 3, 4, 5
			In the given BASIC statements, the value of B will be
			    A. 1
			    B. 3
			    C. 4
			    D. 2

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Section B: Constructed Response Questions and Extended Response Questions
Marks 60

Time: 2 hours

ہدایات: 1۔ہر سوال کا جواب دینا ضروری ہے۔ 2۔جواب دینے سے پہلے سوال کو غور سے پڑھیں۔   3۔سوال کا جواب دی گئی جگہ پر تحریر کریں۔

Q.No.1: Write the purpose of transmission medium. Name any THREE wired transmission medium. **(Total 4 Marks)**

Q.No.2: Where is Local Area Network (LAN) used? Also write its THREE advantages. **(Total 4 Marks)**

Q.No.3: Define computer worms. Write any THREE examples of them. **(Total 4 Marks)**

Q.No.4: Write FOUR ways through which computer viruses are spread. **(Total 4 Marks)**

Q.No.5: Name any FOUR icons present on the Standard Toolbar of MS Excel file. **(Total 4 Marks)**

Q.No.6: Define row and column in MS Excel spreadsheet. Identify the cell address of the active cell

in the given spread sheet. **(Total 4 Marks)**

Q.No.7: Consider the following MS Excel worksheet. **(Total 4 Marks)**

Write the syntax of appropriate functions used in MS Excel to perform the following tasks.

i.   Calculate the sum of values of A2 to A5   ii. Calculate the square root of cell A2

iii.   Calculate the average of values from A2 to A5   iv.Find the largest value from cells A2 to A5

Q.No.8: **(Total 4 Marks)**

a.   Write the difference between 'cut' and 'copy' of data. (2 Marks)

b.   Write keyboard shortcut keys for the following tasks. (2 Marks)

i.   Paste   ii.   Select All

Q.No.9: Complete the following table of flowchart symbols by writing their purpose **(Total 4 Marks)**

Flowchart Symbol	Purpose
⬭	
◇	
	Calculation/ assignment of values
	Input and output statements

Q.No.10: Draw a flowchart to take input of THREE numbers. Calculate and print their sum. **(Total 4 Marks)**

Q.No.11: Identify FOUR correct arithmetic expressions and re-write from the following list. **(Total 4 Marks)**

    i.   A + B + C

    ii.   A = B + 0

    iii.   X > Y

    iv.   Z = 0

    v.   3 – 2 > 0

    vi.   9 /2 = 5

    vii.   7 + 2 > 5

    viii.   1 0 – 10 = X

Q.No.12: State the purpose of the following BASIC commands. **(Total 4 Marks)**

    i.   LIST 80 -

    ii.   LIST 100 – 200

    iii.   RUN 20 –

    iv.   RUN – 50

Q.No.13: What is GPS? What is its purpose? Give any FOUR examples of the use of a navigation device.**(Total 6 Marks)**

Q.No.14: Write a BASIC program to take input of any 5 numeric values using READ DATA statement.

    Calculate and print the sum, average and product of these values. **(Total 6 Marks)**