



**DR. A. Q. KHAN SCHOOL & COLLEGE BAHRIA TOWN PHASE-8
MODEL PAPER COMPUTER SCIENCE CLASS: VIII**

Time Allowed: 20 Minutes

Name: _____

Section: _____

Date: _____

Invigilator's Signature: _____

Section – A is compulsory. All parts of this section are to be answered on this page and handed over to the Centre Superintendent. Deleting/overwriting is not allowed. **Do not use lead pencil**

SECTION – A (Marks 11)

Q.1 Fill the relevant bubble against each question according to curriculum

No	Question	A	B	C	D	A	B	C	D
i.	Which one of the following is not a guided transmission media?	Coaxial cable	Twisted pair cable	Fiber-optic cable	Infrared	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ii.	What is the key characteristic of the Internet of Things(IoT)?	Centralized data processing	Wireless connectivity between devices	Embedded systems in home appliances	Edge computing for data analysis	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
iii.	Which network device would be most suitable for transmitting messages intelligently to the destination device?	Router	Switch	NIC	Access Point	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
iv.	Which Microsoft Excel function checks whether a condition is true or false?	SUM()	MIN()	AVERAGE()	IF()	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
v.	Which of the following shortcut key is used to Redo the last action performed?	Ctrl+N	Ctrl+X	Ctrl+Y	Ctrl+P	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
vi.	The tab which provides many excel functions categorized in different groups like math, financial, statistical, logical, etc?	Insert Tab	Data Tab	Review Tab	Formulas Tab	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
vii.	Which MS Excel function checks whether a condition is true or false?	SUM()	MIN()	IF()	ELSE()	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
viii.	_____ is created from algorithm in order to run them on computers.	Flowchart	Pseudocode	English Language	Program	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
ix.	You are developing a pseudocode to display a multiplication table for a given number. Which type of statement would	IF Statement	Repeat Loops	Nested Loops	IF-ELSE Statement	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

	be the most appropriate to use for this task?					
x.	What is the primary role of the server in client-server architecture of an online banking system?	To store the client's login credentials	To process the client's banking transactions	To verify the client's login credentials and provide the requested services	To display the banking interface on the client's web browser	○ ○ ○ ○
xi.	The memory location that hold some data and data could be change during the program execution is called?	Constant	float	variable	integer	○ ○ ○ ○



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Time Allowed: 1.40 Hrs

Maximum Marks: 39

Note: Answer ALL parts from Section 'B' and ALL questions from Section 'C' on the allotted/given spaces in the answer-sheet.

SECTION – B (Marks 14)

Q.2 Attempt the following questions.

(7 × 2 = 14)

i	Write down two differences between MAN and WAN.	1 + 1	OR	What is the purpose of blockchain technology?	2
ii	Is protocol necessary for data communication system? Justify with reason.	1 + 1	OR	Draw the block diagram of transmission media.	2
iii	Date and time feature is present in which tab in MS Excel? Briefly describe that tab.	1 + 1	OR	Write down the function of following shortcut keys: a) Ctrl+X b) Shift+F11	1 + 1
iv	What do you know about a cell and a cell address in Microsoft Exel?	1 + 1	OR	Write down the steps to create a 2-D column chart?	2
v	How an algorithm plays an important role in programming?	2	OR	Write down the syntax of Repeat Loops.	2
vi	How can you declare and initialize constant and variable?	1 + 1	OR	Define the following: a) Halting Problem b) Pseudocode	1 + 1
vii	Differentiate between scope and limitations of a problem.	2	OR	Write a pseudocode that checks whether the input number is a negative number or a positive number or equal to zero.	2

SECTION – C (Marks 15)

Attempt the following questions.

(3 × 5 = 15)

Q.3	Explain in detail any two emerging technologies: a) 5G b) AI c) Virtual Reality	2.5 + 2.5	OR	What is guided media? Explain any two types of guided media.	1 + 2 + 2
Q.4	What do you mean by MS Excel Ribbon? Write down two features of the following tabs: a) Home Tab b) Page Layout Tab	5	OR	a) What is purpose of IF() function in MS Excel? Write down the syntax of IF() function with the help of an example.	1.5 + 1
				b) What are the steps to write down a pseudocode?	2.5
Q.5	Draw a labeled block diagram of computer processing model.	5	OR	Write a pseudocode to calculate a mathematical table of a given number in reverse order and display it on screen.	5

Q.6 Practical

10 Marks

(Practical marks will be allotted through practical exam in computer Lab)