

CHINIOT ISLAMIA PUBLIC SCHOOL AND COLLEGE

1ST QUARTERLY TEST

testing12 - CS VIII P2

Name: _____	Section: _____	Roll No: _____
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Duration: 2 Hours

Total Marks: 100

Name: _____ **Section:** _____

Q1 .

1. Print all even numbers between 1 and 50. [7]

2. Define any three types of Charts 1).....
2)
3)

3. Match the following Python conditions to their descriptions:

Condition	Description
<code>if x > 0:</code>	A. Checks if a number is positive.
<code>if-else</code>	B. Executes one block if true, another if false.
<code>elif</code>	C. Used for multiple conditions.
<code>if x % 2 == 0:</code>	D. Checks if a number is even.

4. Write a program that accepts the current temperature as input and checks if it is: Less than 0 (Freezing) Between 0 and 30 (Normal) Greater than 30 (Hot)

5. Match the code snippet to the output:

Code	Output
<code>if 5 > 3: print("Yes")</code>	A. "Yes"
<code>x = 10; if x < 5: print("Low"); else: print("High")</code>	B. "High"
<code>x = 20; if x > 10: if x < 30: print("In range")</code>	C. "In range"

6. when green flag clicked hide wait 2 seconds show **Question:** What will happen to the sprite?

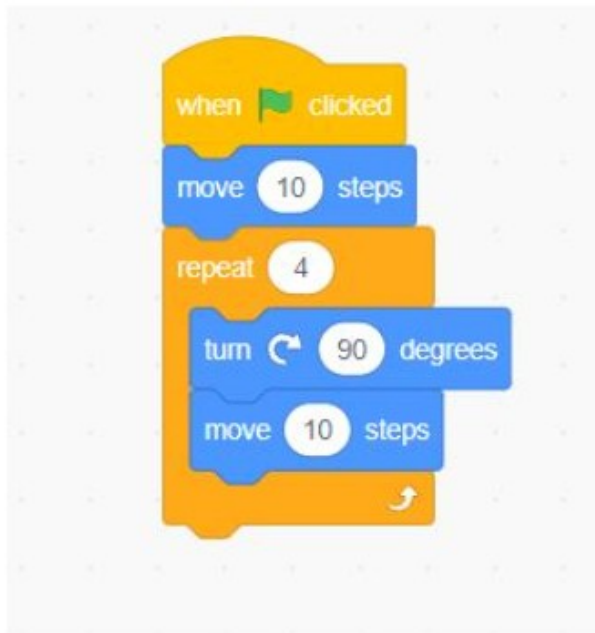
7. Display the sum of the first 20 natural numbers using a for loop.

8. Write a C++ program that takes the user's name as input and prints a greeting message.

9. when green flag clicked say "Hello World!" **Question:** What will the sprite say?

10. when green flag clicked go to [random position v] **Question:** Where will the sprite go?

11. What is the Output of the code?



12. What block would you use to stop all actions in a project?

13. What will happen when the space key is pressed?



14. Suppose you want to represent the distribution of expenses in your monthly budget. Use the table shared below to answer **Part a** and **Part b**.

Month	Groceries	Housing	Transportation	Entertainment
January	\$10	\$20	\$25	\$63
February	\$15	\$22	\$30	\$58
March	\$12	\$21	\$28	\$60
April	\$14	\$23	\$27	\$61
May	\$13	\$19	\$29	\$59
June	\$11	\$24	\$26	\$62

a:

- (i) What is a chart?
- (ii) Which chart can be used to present the monthly budget?
- (iii) Give one reason for your answer.

b: Which chart will be used to show the trends in the monthly expense of the entertainment budget only?

15. Predict the Output: #include #include using namespace std; int main() { string firstName, lastName; cout > firstName; cout > lastName; string fullName = firstName + " " + lastName; // String concatenation cout
16. Predict the Output Question #include using namespace std; int main() { cout

17. a) What is an Absolute Cell Reference ?

[2] b) What is Relative Cell Reference ?

[2]

(c) Identify which reference is used in the shared formula below. [1]

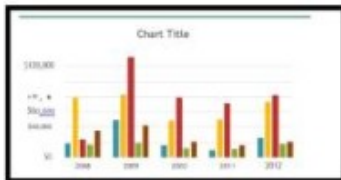
1	Product	Quantity	Price	Amount
2	Bread	2	\$1.50	3
3	Butter	1	\$1.20	1.2
4	Cheese	3	\$2.00	6.00
5	Jam	3	\$1.80	=B5*C5

(d) Identify which reference is used in the shared formula below. [1]

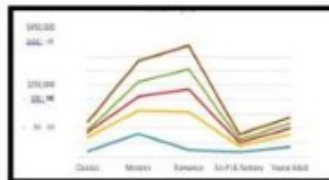
	A	B	C
1	Bonus payout		1500
2			
3		Basic Salary	Total Payout
4	Jacqueline	3200	=B4+\$C\$1

18. when green flag clicked set [score v] to (0) change [score v] by (10) change [score v] by (-5) say (score) Question: What value will the sprite say?

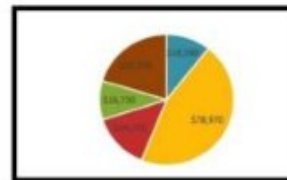
19. Identify the following types of charts.



NAME	
ADVANTAGE	



NAME	
ADVANTAGE	



NAME	
ADVANTAGE	