

Federal Directorate of Education
Islamabad

Annual Examination-VIII 2024

COMPUTER SCIENCE

(Subjective)

Time Allowed: 02:30 Hour

SECTION - B (40-Marks)

Q-2. Attempt any TEN parts. Each part carries FOUR marks. (4x10=40)

- (i) What is digital Marketing? List four types of digital marketing.
- (ii) What are the benefits of using network?
- (iii) What is the purpose of Blockchain technology?
- (iv) Define "Formula" and "Function" with an example.
- (v) Differentiate between wired and wireless networks.
- (vi) What are conditional statements? Also write a conditional statement that Checks "whether number is positive of negative".

Hint: Numbers that are less than zero are negative.

- (vii) Briefly describe "Payment" and "Transaction".
- (viii) Write down the uses of Microsoft Excel.
- (ix) Briefly describe client and server computers.
- (x) Why do we need cybercrime laws?
- (xi) Differentiate between "Scope" and "Limitation" of a problem.
- (xii) Define any two of the following functions.
(a) SUM () (b) AVERAGE () (c) IF () (d) MAX ()
- (xiii) How spyware can be harmful?
- (xiv) For the following code block a sprite will turn to 30 degrees. How many clicks are required for a sprite to complete a full cycle.

when this sprite clicked
turn 30 degrees

SECTION - C (40-Marks)

Note: Attempt any FOUR questions. (4x10=40)

- Q-3. (a) Define the following types of Computer Network. (6)
(i) MAN (ii) PAN (iii) VPN
- (b) Describe the component of Data Communication System. (4)
- Q-4. Look at the following worksheet. Write the formula to calculate. (10)
- (a) Maximum marks in English.
 - (b) Minimum marks in Science.
 - (c) Average marks in Maths class.

Determine whether the students Musab Umair has passed or failed based on following criteria.
If the student scores more than 15 marks, declare him/her pass otherwise he/she is fail.

Result Sheet Annual Exam									
Roll No.	Student Name	English	Science	Maths	Urdu	Obtained Marks	Average	Percentage	REMARKS
08101	Musab Umair	18	17	19	14	68		85	
08102	Romesa	13	12	08	13	46		57.5	
08103	Eshwa Hyya	15	17	18	16	66		82.5	
08104	Maheen	18	19	20	17	74		92.5	
08105	Arham Khan	12	14	15	13	54		67.5	
Total Marks:		76	62						

- Q-5. (a) Explain the features of information processing model? (4)
(b) Compare the three numbers of A,B and C and find out the largest number. (6)
- Q-6. (a) Write down python statement for printing a table of numbers (6)
(b) Write a program to convert temperature from Celsius to Fahrenheit? (4)
- Q-7. (a) The differentiate between "worksheet" and "workbook". (4)
(b) Write down the six ethical uses of digital technology. (6)
- Q-8. (a) Describe four elements of marketing. (4)
(b) Define the following methods of payments. (6)
(i) Credit card (ii) Debit card (iii) Internet transfer