



BOARD OF SECONDARY EDUCATION KARACHI

NEW MODEL QUESTION PAPER

S.S.C.(ANNUAL)EXAMINATIONS 2023

COMPUTER STUDIES PAPER-II (THEORY) Elective (CLASS-X)GENERAL GROUP

Time: 3 Hours

Max Marks60

SECTION "A" (20%)

MULTIPLE CHOICE QUESTIONS (MCQs)

(12 Marks)

Q.1. (12) MCQs will be given from whole syllabus. Each carries 1 mark.

SECTION "B" (40%)

(SHORT ANSWERS-QUESTIONS)

(24 marks)

Note: Answer any EIGHT 08 questions from this section. All questions carry equal marks.

Q.2: How can a BASIC arithmetic expression be defined?

Q.3: What is machine language? How is it better than high level language?

Q.4: What are the rules for writing numeric and string variables?

Q.5: What is pixel? Can it be controlled?

Q.6: Write the following BASIC statements after removing the errors, if any:

i) GOTO M

ii) IF N\$ = GOOD LUCK THEN GOTO 100

iii) IF A>B GOTO PRINT

Q.7: Distinguish between GOTO and ONGOTO statement.

Q.8: READ-DATA statement is used to assign values to the variables, explain it with examples.

Q.9: Convert the following mathematical expression into BASIC.

i.
$$\frac{5x b^2}{xy} + \frac{2xy}{5y}$$

ii.
$$\frac{2\sqrt{b^3-4abc}}{6a}$$

iii.
$$(a-b-c) + (a^2-b^2) + (a^2+b^2)$$

Q.10: What are reserved words? Define with example.

Q.11: What will be the output of the following program? :

10 READ X, Y, Z

20 A=X+Y+Z

30 PRINT A, X, Y, Z

40 DATA 5

50 DATA 6,11

60 END

Q.12: What are "Subscripted variables" How can they be used to reduce program size?

Q.13: Distinguish between Text mode and Graphic mode.

Continue on next page...

SECTION- “C” 40%
(DESCRIPTIVE ANSWER-QUESTIONS) (24 Marks)

Note: Answer any FOUR (04) questions from this section. All Questions carry equal marks

Q.14 : How would you define an expression in BASIC? Define its all types.

Q.15 : Why do we use an ARRAY in programming? Give its advantages over other methods.

Q.16 : Write the purpose of any six of the following:

- i) SQR
- ii) LEN
- iii) VAL
- iv) TAB
- v) TAN
- vi) ASC
- vii) CHR\$
- viii) INT

Q.17: Write a program using WHILE-WEND statement to find the sum of 1, 2,.....10, also draw the flow chart.

Q.18: Define Loop and its types.

Q.19: Write the full form of any SIX of the following:

- i. I/O
- ii. BASIC
- iii. VDU
- iv. CGA
- v. VGA
- vi. CRT
- vii. INT
- viii. RAM
- ix. BIOS
- x. GUI

SYLLABUS OF COMPUTER STUDIES (CLASS X)

Chapter No. 8: Programming in Basic Language

Chapter No. 9: Input and Output Statement,

Chapter No. 10: Transfer of Control Statement

Chapter No. 11: Repetitive Statements,

Chapter No. 12: Arrays

Chapter No. 13: Subroutines and Functions,

Chapter No. 14: Graphics