**Computer Science (Optional II)**

Grade 9 (Specification Grid)

Time: 2 hrs., Full Marks:50

**Group 'A' (10 Marks)**

**1. Answer the following questions in one sentence. [6×1=6]**

a. Computer Fundamentals

b. Computer Fundamentals

c. Program & Programming Language

d. HTML Theory

e. QBASIC Theory

f. Algo and Flow: Programming tools

**2. Write appropriate technical terms for the following: [2×1=2]**

a) Computer Fundamentals

b) Computer Fundamentals

**3. Write the full forms of the following: [2×1=2]**

a) Computer Fundamentals

b) Computer Fundamentals

**Group 'B' (24 Marks)**

**4. Answer the following questions. [9×2=18]**

Computer Fundamentals

Computer Fundamentals

Computer Fundamentals

Computer Fundamentals

Computer Fundamentals

Internet Technology

HTML Theory

HTML Code

HTML Code

**5. Output of QBASIC with dry run [2]**

**6. Debug - QBASIC program correction [2]**

**7. Analytical QBASIC Program. [2×1=2]**

**Group 'C' (16 Marks)**

**8. QBASIS statements writing. [4]**

**9. (a) QBASIC program without loop [Simple mathematical programs] [4]**

**9. (b) QBASIC program writing [Looping and conditional] [4]**

**10. QBASIC Looping with condition [Revere of number/string, Armstrong number, sum & product of digits, etc.] [4]**

**OR**

**10. QBASIC Series Program [Fibonacci, Hail Stone, etc.]**

**THE END**

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| --- | --- | --- | --- |
| **Question Type** | **Total question** | **Time** | **Total marks** |
| Very short answer | 10 [1 mark each] | 20 mins. | 10 |
| Short answer | 12 [2 marks each] | 48 mins. | 24 |
| Long answer | 4 [4 marks each] | 52 mins. | 16 |
| **Total** | **26** | **2 hours** | **50** |

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| **Chapters** | **VSQ** | **SQ** | **Long** | **Total** |
| **Computer Fundamentals** | **6×1=6**  **2TT, 2FF, 2QNA** | **5×2=10**  **5 QNA** | **-** | **16** |
| **Internet and Web Technology** | **1×1=1**  **1 QNA** | **4×2=8**  **4 QNA** | **-** | **9** |
| **Computer Programming** | **3×1=3**  **3 QNA** | **3×2=6** | **4×4=16** | **25** |
| **Total** | **10 questions** | **12 questions** | **4 questions** | **50 marks** |