



Second Term Exam - 2070

Grade: XI Subject: Computer Science F.M.:75
Time: 3 hrs. P.M.:30

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

- Attempt **all** questions: [3×10=30]
1. What is operating system? Explain various types of operating systems. [3+7]
 2. What is virtual memory? How does it differ from main memory and secondary memory? [5+5]
 3. a. Differentiate between System Software and Application Software with examples. [5]
b. Write the function of header, footer and gutter in word processor. Also write the major features of word processor. [3+2]

Group B

- Attempt **all** questions: [5×9=45]
4. Differentiate between microcomputer and minicomputer. [5]
 5. Explain NAND gate with logical symbol, truth table and Venn diagram. [5]
 6. What is bus system? Explain different types of bus in computer system. [2+3]
 7. Solve the followings: [5]
 - Convert $(24008)_{10}$ into base 8
 - Subtract $(1001)_{10}$ and $(101)_{10}$ using 1's complement
 8. What is error? Explain the various types of programming errors. [2+3]
 9. What is flowchart? Write flowchart and algorithm to find smallest among three numbers. [2+3]
 10. Write short notes (**Any Two**): [2.5+2.5]
 - Touch Panel
 - Flash Memory
 - USB



Second Term Exam - 2070

Grade: XI Subject: Computer Science F.M.:75
Time: 3 hrs. P.M.:30

Candidates are required to give their answers in their own words as far as practicable. The figures in the margin indicate full marks.

Group A

- Attempt **all** questions: [3×10=30]
1. What is operating system? Explain various types of operating systems. [3+7]
 2. What is virtual memory? How does it differ from main memory and secondary memory? [5+5]
 3. a. Differentiate between System Software and Application Software with examples. [5]
b. Write the function of header, footer and gutter in word processor. Also write the major features of word processor. [3+2]

Group B

- Attempt **all** questions: [5×9=45]
4. Differentiate between microcomputer and minicomputer. [5]
 5. Explain NAND gate with logical symbol, truth table and Venn diagram. [5]
 6. What is bus system? Explain different types of bus in computer system. [2+3]
 7. Solve the followings: [5]
 - Convert $(24008)_{10}$ into base 8
 - Subtract $(1001)_{10}$ and $(101)_{10}$ using 1's complement
 8. What is error? Explain the various types of programming errors. [2+3]
 9. What is flowchart? Write flowchart and algorithm to find smallest among three numbers. [2+3]
 10. Write short notes (**Any Two**): [2.5+2.5]
 - Touch Panel
 - Flash Memory
 - USB