

Roll No. ....

Total Pages : 2

**BAM/A-20**

**562**

COMPUTER SCIENCE

(System Analysis and Design and File Processing)

Paper-II

Time : Three Hours]

[Maximum Marks : 40

**Note :** Attempt *five* questions in all selecting at least *one* question from each Section.

**SECTION-A**

1. Differentiate between the following :
  - (a) Open and Closed system. 4
  - (b) Physical and Abstract system. 4
2. Who is System analyst? Explain the role of system analyst in different phases of system development life-cycle. 8
3. What is DFD? Explain different symbols used in DFD. Draw a zero-level DFD for Payroll system. 8
4. What do you mean by Cost-benefit analysis? Explain different techniques of Cost-benefit analysis. 8

**SECTION-B**

5. What do you mean by System design? Explain Structured design method in detail. 8

6. What is Form-driven design? Explain Structured walk-through with suitable example. 8
7. What are different types of maintenance? Explain them in detail. 8

### **SECTION-C**

8. What are Storage devices? Explain the characteristics of Hard disk. Also, explain how information is organized on hard disk. 8
  9. Explain the following concepts related to file processing with suitable examples : Field, fixed-length record, variable length record, primary key and secondary key. 8
  10. Write short notes on the following :
    - (a) Indexed sequential file organization. 4
    - (b) Hashing functions. 4
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