



**March 11, 2001**

---

**INFORMATION TECHNOLOGY-I  
SPECIAL MODULE (Paper-B6)**

**(MARKS 100)  
(3 hours)**

---

- Q.1(a) What is the impact of MIS on managerial planning? Discuss in detail. **(05)**
- (b) There are three levels of management: Top (strategic), Middle (tactical) and Low (operational). There are five main types of MIS reports: Detail, Summary, Exception, Periodic and On-demand. Explain how the various types of MIS reports are related to these management levels. **(05)**
- Q.2(a) What is Executive Support System? **(06)**
- (b) What is an Expert system and how does it work? **(04)**
- Q.3 Aamir has recently joined your office, and you are required to brief him on the information required for decision-making. Explain the characteristics of information for strategic, tactical and operational management along with suitable examples and how this information may be obtained. **(15)**
- Q.4(a) Briefly explain network topologies. **(03)**
- (b) Describe Star, Ring and Bus topologies in network architecture. **(12)**
- Q.5(a) Define Bits, Bytes, Kilobytes, Word, RAM, ROM. **(03)**
- (b) What is the use of Parity (check) bit? **(02)**
- Q.6 Explain and distinguish between analog and digital transmission. Also, explain how data is transmitted using both forms of transmission. **(15)**
- Q.7(a) Describe the main functions of an operating system. Name any five operating systems. **(05)**
- (b) Describe Multitasking, Time-sharing and Paging with respect to an operating system. **(05)**
- Q.8 A data table can be created by using Microsoft Word, Excel and Access. How would you determine which program is best suited to your work? **(09)**

(2)

Q.9(a) A person prepares and analyses his monthly budget using MS Excel as in Table-I

What would be the complete syntax of formulae used in the cells:

- i. C10?
- ii. D12?
- iii. B15?
- iv. B16?
- v. B17?
- vi. C18?
- vii. D19?

(07)

**TABLE – I**

	A	B	C	D
1	Month	January	February	March
2	Income	16000	16000	16000
3				
4	Expenses			
5	Rent	5000	5000	5500
6	Food	3000	3500	4000
7	Telephone	1000	1500	1200
8	Electricity	600	700	900
9	Entertainment	1200	1600	2200
10	Total Expenses	10800	12300	13800
11				
12	Monthly Saving	5200	3700	2200
13	Bank Balance	5200	8900	11100
14				
15	Average monthly expense on telephone	1233		
16	Maximum monthly expense on food	4000		
17	Minimum expense on any head in March	900		
18	Percent increase in monthly expenses		13.89%	12.20%
19	Percent decrease in monthly savings		28.85%	40.54%

(b) Describe the Accounting and Percentage formats as applied to numbers?

(04)

**(THE END)**