

B.E. Mining Engineering Eighth Semester
MN8053 - ELECTIVE-II : Management Information Systems

P. Pages : 2

Time : Three Hours



GUG/W/18/2091

Max. Marks : 80

- Notes :
1. Due credit will be given to neatness and adequate dimensions.
 2. Assume suitable data wherever necessary.
 3. Illustrate your answers wherever necessary with the help of neat sketches.
 4. Marks are indicated to the right.

1. Define 'Management'. Identify and briefly describe the nature and role of three levels of management. How does management information system help the management in their Decision-Making? **2+9+
5=16**

OR

2. What is information and how it is different from data? Discuss briefly **4+12=
16**
- i) Types of information,
 - ii) Desirable qualities expected of good information, and
 - iii) Ways how information may be captured.

3. Discuss the concept, importance and various stages of "System Development and Analysis". **3+3+
10=16**

OR

4. What role does decision-making play in discharge of functions of a manager? Attempt a classification of decision-making on the basis of level of programmability? Discuss, in brief, what do you understand by decision-making under certainty, uncertainty and risk. **4+6+6
=16**
5. Discuss briefly **2+2+4**
- | | |
|--------------------------|--|
| i) Planning | ii) Importance of planning, +4+4 |
| iii) Mission and vision, | iv) Goals and objectives, =16 |
| v) Policy and strategy. | |

OR

6. What are the main approaches to planning? Discuss their salient features, merits and demerits. **16**
7. What is Decision support system? What is its relevance to management? Describe, briefly, the components and role of these components of a typical Decision support system. **3+3+
10=16**

OR

8. Present definition, relevance and the contents of **6+5+5
=16**
- i) Production information system,
 - ii) Marketing & sales information system, and
 - iii) Geotechnical information system.

9. Explain briefly the important aspects of: **8+4+4
=16**
- i) Synchronous and asynchronous communication.
 - ii) Analog and digital communication, and
 - iii) Serial and parallel communication.

OR

10. What is data security in data transmission? Explain the various threats to security of data communication in cyberspace and role of encryption and decryption techniques. **5+11=
16**
