

Code No: MB1916/R19

MBA I Semester Regular/Supplementary Examinations, February-2024

BUSINESS COMMUNICATION AND SOFT SKILLS

Time: 3 Hours

Max. Marks: 75

*Answer Any FIVE Questions, one from each unit
Question No. 11 is Compulsory*

UNIT-I

1. a) How do you define communication? [3M]
b) What is the role of communication in management of business? [9M]

(OR)

2. a) What is effective listening? [4M]
b) "Listening patiently is an important listening skill." Do you agree with this statement? Explain with the help of example. [8M]

UNIT-II

3. a) What are the different forms of communication? [5M]
b) Explain gateways for effective interpersonal communication. [7M]

(OR)

4. a) Distinguish between interpersonal and intrapersonal communication. [6M]
b) Explain the barriers in interpersonal communication. [6M]

UNIT-III

5. a) How do you define non-verbal communication? [4M]
b) Explain the importance of non-verbal communication in business communication. [8M]

(OR)

6. a) "Body languages play an important role in oral communication." Explain [6M]
b) Differentiate between chronemics and proxemics. [6M]

UNIT-IV

7. a) Discuss the principles of effective writing. [6M]
b) Discuss the different techniques of writing in brief. [6M]

(OR)

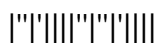
8. a) What are the different types of business letter? [6M]
b) "A good letter is one which is clear, brief, effective and should convey the right message." Explain this statement. [6M]

UNIT-V

9. a) What do you mean by interview? [4M]
b) Describe different types of interviews [8M]

(OR)

10. a) What are the features of group discussion? [6M]
b) What are the different factors taken into consideration while group discussion? [6M]



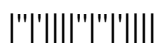
11. **CASE STUDY**

[15M]

The Board of Directors of M/S Bajaj Auto Ltd. met and decided to make certain adjustments in the existing staff of its Akurdi plant. After the meeting, the Managing Director informally told his secretary that there may be changes in the staffing pattern of Akurdi plant. The Secretary told her friends during lunch break that the plant would soon be laying off employees. Even though, she took a promise that they will not tell anybody, her friends sounded some employees of the plant about the impending danger. The employee's union not only presented memorandum to the authorities but served a notice to go on strike also.

Questions

- i. Identify the barriers of communication in the case.
- ii. Was there any encoding and decoding of message?
- iii. What lessons do you draw from the issue by assuming you as the Managing Director?



Code No: M0109/R19

M. Tech. I Semester Regular/Supplementary Examinations, February-2024

RESEARCH METHODOLOGY AND IPR

(Common to all Specializations)

(Except Highway Engineering (23), Transportation Engineering (22)
and Petroleum Engineering (08))

Time: 3 Hours

Max. Marks: 75

*Answer any FIVE Questions One Question From Each Unit
All Questions Carry Equal Marks*

UNIT-I

1. a Define Research and list the different sources of research problems. 7M
- b Elaborate on common errors committed by researchers in selecting the research problem. 8M

OR

2. a Give a detailed account on various approaches adopted by researchers in solving problems stated by them. 7M
- b Explain with neat sketches, various charts used in presentation of data. 8M

UNIT-II

3. a What are the different ethical issues related to authorship? 8M
- b List and explain the guidelines for Effective technical writing. 7M

OR

4. a List and elaborate the different sources of literature studies. 7M
- b How will you prepare the timeframe, activity schedule, budget plan for your proposed research? Provide example in tabular column. 8M

UNIT-III

5. a List the different considerations in choosing a particular research contribution for patenting. 8M
- b What is IPR? Give examples. 7M

OR

6. a Elaborate the concepts of creativity and innovation. 7M
- b Explain how patents are filed under PCT. 8M

UNIT-IV

7. a What is the transfer of technology in patent rights? Explain 8M
- b How patent informations are protected? Discuss. 7M

OR

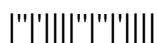
8. a Explain Geographical Indications. 7M
- b What are the information that can be gathered from patent database? Discuss. 8M

UNIT-V

9. a Explain the Emerging issues in IPR. 8M
- b Describe the administration of Patent system. 7M

OR

10. Discuss in detail about IPR of Biological Systems. 15M



Code No: M8707/R19

M. Tech. I Semester Regular/Supplementary Examinations, February-2024

REPAIR AND REHABILITATION OF STRUCTURES

Common to SE (87), SD (85) and CASA&D (35)

Time: 3 Hours

Max. Marks: 75

Answer any FIVE Questions One Question From Each Unit

All Questions Carry Equal Marks

UNIT-I

1. a Discuss in detail the disintegrated mechanisms with regard to moisture effects and thermal effects. 8M
- b Explain the various pulse velocity methods and the techniques measuring the pulse velocity through concrete. 7M

OR

2. a Discuss in details about the various chemical admixtures used in concrete with their application in concrete. 8M
- b Write short notes on Glass and Carbon fibre wraps. 7M

UNIT-II

3. a When an RCC beam needs to be strengthened to take additional load. Suggest necessary strengthening method and materials. 8M
- b Write short notes on Beam shear capacity strengthening. 7M

OR

4. a Evaluate the methods to overcome low member strength in concrete. 7M
- b What are the reasons for the formation of cracks due to chemical and foundation movement? 8M

UNIT-III

5. a Explain how bonding can be ensured between new layers of concrete over an existing old concrete? 8M
- b Describe in detail about underpinning and its methods. 7M

OR

6. a Write short notes on Externally bonded FRP. 8M
- b Write short notes on CDC debonding. 7M

UNIT-IV

7. Explain the types of fibres used in concrete with its advantages and disadvantages. 15M

OR

8. a What are the advantages of using fly ash in concrete? How is it produced? 8M
- b What is light weight concrete? How is it produced? 7M

UNIT-V

9. a Discuss in detail the characteristic properties of high-performance concrete. 8M
- b Differentiate filling ability and passing ability of self-compacting concrete. 7M

OR

10. a What is high performance concrete? Explain applications of it. 8M
- b What is self-consolidating concrete? Briefly explain. 7M

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