

M.E. Fourth Semester (Civil (Environmental Engg.)) (CBS)
13408 : Elective - Noise Pollution & Control : 4 SCEE 3

P. Pages : 1

Time : Three Hours



AU - 3221

Max. Marks : 80

- Notes :
1. Answer **three** question from Section A and **three** question from Section B.
 2. Due credit will be given to neatness and adequate dimensions.
 3. Diagrams and chemical equations should be given wherever necessary.
 4. Illustrate your answer necessary with the help of neat sketches.
 5. Use of pen Blue/Black ink/refill only for writing the answer book.

SECTION – A

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|----|----|--|---|
| 1. | a) | What are effects of Noise pollution? Discuss in details. | 8 |
| | b) | Explain Noise categories. | 6 |
| 2. | a) | What is noise? How is it measured? | 7 |
| | b) | Explain noise characterization. | 6 |
| 3. | a) | Distinguish between impulsive noise and steady state noise. | 7 |
| | b) | Discuss in brief effects of noise pollution on human ear. | 6 |
| 4. | a) | Differentiate between noise pollution and air pollution? | 7 |
| | b) | Give measures for controlling the noise at the source. | 6 |
| 5. | a) | What is vibration? Discuss the various sources of vibration. | 7 |
| | b) | Discuss various protective devices used for human ear. | 6 |

SECTION – B

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|-----|----|--|----|
| 6. | | Discuss in details various steps taken to control noise at industrial complex. | 14 |
| 7. | a) | Explain test and evaluation method used for the analysis of vehicle noise. | 7 |
| | b) | What are the sources of traffic Noise. | 6 |
| 8. | a) | Explain practical solution for effective control of traffic Noise. | 7 |
| | b) | What is future prospects for the reduction of traffic noise. | 6 |
| 9. | a) | Discuss the exiting legal provision for controlling noise. | 6 |
| | b) | Suggest some recommendations to deal with the present alarming situation of noise pollution. | |
| 10. | a) | Explain chronic & acute type of hearing loss. Explain different phases of chronic type hearing loss. | 8 |
| | b) | Discuss in general noise pollution due to stationary & mobile noise sources. | 5 |
