

End Semester Examinations - 2015-16 Even Semester - May 2016

14CE2033 Building Services

Set B

Time : 3 hrs
Total Marks: 100

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|-----------|---|------|
| 1. | Give a neat sketch and describe one pipe system and two pipe system of plumbing? | (10) |
| | Explain the location and function of gulley trap, grease trap and intercepting trap? | (10) |
| OR | | |
| 2. | a) Give an account of Imhoff tanks construction and working details | (15) |
| | b) Explain the necessity of sewage treatment plants | (5) |
| | | |
| 3. | a) Describe any five types of protective devices used for electrical installation | (10) |
| | b) State the guidelines given by NBC for location and layout of substations? | (10) |
| OR | | |
| 4. | a) Sketch and explain the three different discharge lamps used? | (15) |
| | b) Explain the components of packaged air conditioners? | (5) |
| | | |
| 5. | a) Give short notes on Lighting in schools and office ? | (10) |
| | b) Enumerate on the design consideration with respect to water piping system ? | (10) |
| OR | | |
| 6. | a) Give an account of the safety regulations used in buildings for fire protection as per NBC ? | (10) |
| | b) What are the precautions to be taken in the arrangement of automatic sprinkler system? | (10) |
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| 7. | a) Give an account of fan coil systems and water piping systems | (10) |
| | b) Give an account on automatic sprinkler systems? | (10) |
| OR | | |
| 8. | a) Differentiate between ordinary buildings and intelligent buildings | (5) |
| | b) Explain the major aspects of intelligent building? | (15) |
| | | |
| 9. | a) Give the concept of green building and explain the green features ? | (10) |
| | b) Give an account of components of smart building ? | (10) |
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Wishing you All the Best
