

**11102****Code : 15AR32T***Register  
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**III Semester Diploma Examination, Nov./Dec.-2018****BUILDING SERVICES – I****Time : 3 Hours ]****[ Max. Marks : 100**

- Note :** (i) Answer any **six** questions from Part – A.  
(ii) Answer any **seven** questions from Part – B.

**PART – A**

1. Explain surface source of water. 5
2. Explain flanged joint with a sketch. 5
3. Explain air relief valve with a sketch. 5
4. Differentiate between sullage and sewage. 5
5. Explain bath tub with a sketch. 5
6. State the requirements of good trap. 5
7. List the sources of water pollution. 5
8. Explain earthing with a sketch. 5
9. Explain the importance of rural sanitation. 5

**PART – B**

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| 10. Explain sources of water supply.  | 10 |
| 11. Explain dead end system of water distribution layout with a sketch. Also, state its advantages and disadvantages. | 10 |
| 12. Explain various operation involved in laying and jointing of pipes.   | 10 |
| 13. Explain water supply service connection to a residential building with a sketch.                                  | 10 |
| 14. Explain different types of water closet.  | 10 |
| 15. State various systems of plumbing and explain any two with sketch.  | 10 |
| 16. Sketch and explain storage tank used in residential building.   | 10 |
| 17. Explain general lighting and task lighting.   | 10 |
| 18. State and explain effects of air pollution.   | 10 |
| 19. Explain rain water harvesting with a schematic sketch.  | 10 |
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