

Unit 12 - week 10

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Assignment 10

The due date for submitting this assignment has passed. **Due on 2020-04-08, 23:59 IST.**
 As per our records you have not submitted this assignment.

- 1) In India, as per ministry of urban development guidelines, the benchmark for daily water supply duration is: 1 point
- a) 08 Hours in a day
 b) 12 Hours in a day
 c) 18 Hours in a day
 d) 24 Hours in a day
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
 Score: 0
 Accepted Answers: d.
- 2) 24x7 Water Supply Systems are preferred by water utilities worldwide, because: 1 point
- a) It provides continuous water supply to user, 24 hrs a day and 7 days a week
 b) It is considered to be more effective and efficient in water loss reduction
 c) It is believed to maintain enhanced level of safety in terms of water quality supplied
 d) All of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
 Score: 0
 Accepted Answers: d.
- 3) Which of these piped water supply regimes has a higher chance for in-route contamination? 1 point
- a) 24x7 pressurized supply
 b) Intermittent supply system during supply hours
 c) Intermittent supply system during non-supply hours
 d) All above have equal chances
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
 Score: 0
 Accepted Answers: c.
- 4) District Metered Areas (DMAs) in a water distribution system refers to: 1 point
- a) Part of water supply networks under the control of district magistrate rather than municipality
 b) A hydraulically discrete area with a cluster of connections, within the network
 c) Any cluster of less than 5000 consumers in a district.
 d) All of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
 Score: 0
 Accepted Answers: b.
- 5) Number of consumer connections in a typical medium size DMA is restricted to: 1 point
- a) 500-1000 consumers
 b) 1000-3000consumers
 c) 3000-5000 consumers
 d) 5000-7000 consumers
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
 Score: 0
 Accepted Answers: b.
- 6) To combat emergency situations, DMAs are provided with provisions such as: 1 point
- a. Multiple inlet in DMAs or interconnectivity between DMAs using isolation valves
 b. Additional storage structures with-in DMAs
 c. A standby direct supply emergency line from storage reservoir in each DMA
 d. All of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
 Score: 0
 Accepted Answers: a.
- 7) The typical correct sequence for setting-up of DMAs in a water distribution network is: 1 point
- a) Planning→Survey→Testing→Meters/valves installation→Proving
 b) Survey→Planning→Meters/valves installation→Proving→ Testing
 c) Survey→Planning→ Proving →Meters/valves installation→ Testing
 d) Planning→Testing→Survey→Meters/valves installation→Proving
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
 Score: 0
 Accepted Answers: d.
- 8) Match the software for modelling water distribution networks given in first column with their developer institution/organization given in second column. 1 point
- | | |
|----------------|--|
| I) WaterGEMS | A) Indian Institute of Technology Bombay |
| II) EPANET | B) Bentley Systems |
| III) JalTantra | C) United States Environmental Protection Agency |
- a) I – A, II – B, III – C
 b) I – A, II – C, III – B
 c) I – B, II – C, III – A
 d) I – C, II – B, III – A
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
 Score: 0
 Accepted Answers: c.
- 9) Read the statements below, and identify if they are true or false: 1 point
- i) Hydraulic models are mathematical representation of the hydraulic behavior of water supply networks based on certain set of assumptions.
 ii) Accuracy of the hydraulic simulations decreases if the model is over-simplified
- a) Statement i) is true, while statement ii) is false
 b) Statement ii) is true, while statement i) is false
 c) Both statements i) and ii) are true
 d) Both statements i) and ii) are false
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
 Score: 0
 Accepted Answers: c.
- 10) While designing a water distribution networks using any standard software, water demand at various nodes is: 1 point
- a) Output of the model
 b) Input of the model
 c) A parameter to be optimized
 d) None of the above
- a.
 b.
 c.
 d.
- No, the answer is incorrect.
 Score: 0
 Accepted Answers: b.