



GOVERNMENT COLLEGE OF ENGINEERING, JALGAON

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Name of Examination : **Winter 2020** - (Preview)

Course Code & Course Name : **CE304UB - Professional Elective -I-Construction Practice**

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Maximum Marks : **60**

Duration : **3 Hrs**

[Edit](#) [Print](#) [View Answer Key](#) [Close](#) **Answer Key Submission Type:** Marking scheme without solution

Instructions:

1. All questions are compulsory. In all Questions sub Q.a) is compulsory & attempt any one sub Q. out of b) and c)
2. Illustrate your answer with suitable figures/sketches wherever necessary.
3. Assume suitable additional data; if required.
4. Use of logarithmic table, drawing instruments and non programmable calculators is allowed.
5. Figures to the right indicate full marks.

- 1) a) How do smart building works. What makes a building smart , Explain ? [10]
 - b) What are the principles of specification writing ? [5]
 - c) What is "Slip Form " construction technique, Explain? [5]
- 2) a) What is acoustic protection ? Why is it important ? [10]
 - b) What are the advantages of pile foundation ? [5]
 - c) What are the differences between Tunnel and Bridge ? [5]
- 3) a) What are the methods used to concrete under water ? Explain any one ? [10]
 - b) What is Modular construction technology ? What are its methods ? [5]
 - c) What is Lining of Tunnel ? Explain its purpose ? [5]
- 4) a) Why is Precast Concrete used ? What are its advantages ? [10]
 - b) What are the factors affecting site selection of a bridge ? [5]
 - c) What is Cofferdam and its types ? [5]

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