

**BIRLA INSTITUTE OF TECHNOLOGY, MESRA, RANCHI
(END SEMESTER EXAMINATION)**

**CLASS: B.TECH
BRANCH: CIVIL**

**SEMESTER : VII
SESSION : MO/2023**

SUBJECT: CE428 CONSTRUCTION MANAGEMENT

TIME: 3 HOURS

FULL MARKS: 50

INSTRUCTIONS:

1. The question paper contains 5 questions each of 10 marks and total 50 marks.
 2. Attempt all questions.
 3. The missing data, if any, may be assumed suitably.
 4. Before attempting the question paper, be sure that you have got the correct question paper.
 5. Tables/Data hand book/Graph paper etc. to be supplied to the candidates in the examination hall.
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|--------|--|-----------|-----------|
| Q.1(a) | “Construction Industry plays a vital role in the Socio - Economic growth of a country”. Explain | [5] CO1 | K1 |
| Q.1(b) | Develop a structure for a construction organization handling a project worth 150 Crores. | [5] CO1 | K2 |
| Q.2(a) | “Breaking Down a project helps in improving Project Management Control.” Explain | [5] CO2 | K2 |
| Q.2(b) | Life of a building is 80 years and 2 choices are available for a particular component of the building
Choice A -Initial and Replacement cost as Rs 4000 and life of component = 20 yrs
Choice B - Initial and Replacement cost as Rs 6000
Life of the component =40 yrs
Money worth is 5%, find the more economical choice | [5] CO2 | K4 |
| Q.3(a) | Write short notes on any two
i) Custody
ii) Material Codification
iii) Material Procurement | [5] CO3 | K3 |
| Q.3(b) | Explain any one Inventory control method. Mention the factors affecting the choice of an inventory policy | [5] CO3 | K3 |
| Q.4(a) | Prepare a sample checklist for formwork inspection | [5] CO4 | K3 |
| Q.4(b) | “Construction projects are capital intensive and cost of quality acquires a great significance”. Explain | [5] CO4 | K3 |
| Q.5(a) | Describe the direct and indirect cost of accidents for the workers and employers at a construction site. | [5] CO5 | K3 |
| Q.5(b) | Explain the efforts made by a construction company to ensure a safe and healthy environment at site. | [5] CO5 | K3 |

:::23/11/2023 M:::