

**BALLARI INSTITUTE OF TECHNOLOGY & MANAGEMENT**

(Autonomous Institute under Visvesvaraya Technological University, Belagavi)

USN 

--	--	--	--	--	--	--	--	--

Course Code 

2	2	C	V	5	1
---	---	---	---	---	---

Fifth Semester B.E. Degree Examinations, February 2025

**CONSTRUCTION MANAGEMENT AND ENTREPRENEURSHIP**

Duration: 3 hrs

Max. Marks: 100

**Note:** 1. Answer any FIVE full questions, choosing ONE full question from each module.  
2. Missing data, if any, may be suitably assumed

Q. No Question Marks (RBTL:CO:PI)

**Module-1**

1. a. Define construction management. Explain the importance, necessity and objectives of construction management. **10** (2 :1: 1.2.1)  
b. The project has the following activity and predecessors and the time required to complete each activity of the project. Find out the critical path. **10** (3:1: 1.2.1)

Activity	Time in days	Predecessors
A	2	-
B	3	-
C	4	-
D	1	A
E	2	B
F	5	B
G	7	C
H	2	D, E
I	3	F, G
J	1	H, I

(OR)

2. a. Define WBS. Briefly explain Work Breakdown Structure (WBS) and mention uses of WBS. **10** (2 :1: 1.2.1)  
b. The project has the following activity and predecessors and the time required to complete each activity of the project. Find out the Total float, free float and Critical path. **10** (3:1: 1.2.1)

Activity	Time in days	Predecessors
A	3	-
B	4	A
C	2	A
D	5	B
E	1	C
F	2	C
G	4	D, E
H	3	F, G

**Module-2**

3. a. Define resource management. Briefly explain resource management with its 3 types. **10** (2 :2: 1.2.1)  
b. Explain in detail about class of labour, wages and statutory requirement. **10** (2 :2: 1.2.1)

(OR)

- |    |    |   |    |               |
|----|----|---|----|---------------|
| 4. | a. | A company has purchased an equipment whose first cost is 2,00,000 with an estimated life of 10 years. The estimated salvage of the equipment at the end of its life time is 25,000. Determine the depreciation charge and book value at the end of various years using a straight-line method of depreciation.  | 10 | (3 :2: 1.2.1) |
|    | b. | A company has purchased an equipment for Rs 1,00,000 with an estimated life of 8 years. The estimated life of 8 years, the estimated salvage value of the equipment at the end of its lifetime is 20,000. Determine the depreciation charge and the book value at the end of various years. Using the declining method of depreciation by assuming 0.2 for K. | 10 | (3 :2: 1.2.1) |

### Module-3

- |    |    |   |    |               |
|----|----|---|----|---------------|
| 5. | a. | Define and explain the key components of procurement and contract management. | 10 | (2 :3: 1.2.1) |
|    | b. | Briefly explain the stages of procurement planning in detail.                 | 10 | (2 :3: 1.2.1) |

(OR)

- |    |    |  |    |               |
|----|----|--|----|---------------|
| 6. | a. | Briefly explain the steps involved in tendering process. | 10 | (2 :3: 1.2.1) |
|    | b. | Explain in detail about Breach of Contract.              | 10 | (2 :3: 1.2.1) |

### Module-4

- |    |    |   |    |               |
|----|----|---|----|---------------|
| 7. | a. | Briefly explain quality management system.                          | 10 | (2 :4: 1.2.1) |
|    | b. | Explain risk management process with the necessary steps in detail. | 10 | (2 :4: 1.2.1) |

(OR)

- |    |    |   |    |               |
|----|----|---|----|---------------|
| 8. | a. | Explain risk management terminology in detail.                                    | 08 | (2 :4: 1.2.1) |
|    | b. | Define risk management and briefly explain risk identification process in detail. | 12 | (2 :4: 1.2.1) |

### Module-5

- |    |    |   |    |               |
|----|----|---|----|---------------|
| 9. | a. | Define entrepreneur? List the advantages and disadvantages of entrepreneur. | 08 | (2 :5: 1.2.1) |
|    | b. | Explain the characteristics of a successful entrepreneur.                   | 12 | (2 :5: 1.2.1) |

(OR)

- |    |    |  |    |               |
|----|----|--|----|---------------|
| 10 | a. | Explain business planning process in detail.   | 08 | (2 :5: 1.2.1) |
|    | b. | Write a short note on government supported schemes for entrepreneurship programmes:<br>(i) KIADB (ii) KSSIDC (iii) SIDBI | 12 | (2 :5: 1.2.1) |

\*\* \*\* \*