

CVL 774		CONSTRUCTION AND CONTRACT MANAGEMENT	MINOR I EXAMINATION	
Time allowed 1 hour	09:30 - 10:30		Maximum Marks	20
Venue	LH 114		Date	08.02.2023

**ANSWER ALL QUESTIONS. EVALUATION WOULD BE DONE ON THE BASIS OF STEPS USED IN THE SOLUTION. ASSUME MISSING DATA SUITABLY IF REQUIRED. EACH QUESTION CARRIES 2 MARKS.**

1. The direct and indirect costs estimated by a contractor for bidding a project is Rs. 160,000 and Rs. 20,000 respectively. If the markup applied is 10% of the bid price, what is the quoted bid price in Rs. of the contractor?
2. If the quantity of earthwork involved in month 1 is  $833.33 \text{ m}^3$  assuming the productivity of labourers for this work to be 3-man hours per  $\text{m}^3$ . If it is assumed that each day consists of 10 working hours, and there are 25 working days, what is the required number of workers for this activity alone for month 1.
3. For a given project, the contractor has estimated that he would be required to keep an average stock (basic and bulk materials, and pro-rated temporary structure stock) equivalent to Rs. 20 lakh. Further, it is also estimated that the average outstanding and average unadjusted advance would be Rs. 270 lakh and Rs. 60 lakh, respectively. Estimate the average monthly working capital required for the project.
4. What is an Open Bidding system? How different is it from Selective Bidding (Limited Tender)?
5. What are the typical documents required for the pre-qualification process?
6. Why site investigation is important for a bidder? What information is collected during the site investigation process?
7. What is tender summary? What key information are there in this document. Explain briefly.
8. What are the basic contents of notice inviting tender?
9. What type of information is provided related to insurances in tendering process?
10. Draw a schematic representation of the different components of a bid price?

