TED (15) – 5012	Reg. No.	
(REVISION — 2015)	Signature	
DIPLOMA EXAMINATION IN ENGINE MANAGEMENT/COMMERCIAL PRACTI		
CONSTRUCTION MANAGEMENT AND S	AFETY ENGINEERING	
[Tim		
(Maximum marks : 100)		
PART — A		
(Maximum marks: 10)		
	Marks	
I Answer all questions in one or two sentences. Each	question carries 2 marks.	
1. What is mean by free float ?	A	
2. What is earnest money deposit?		
3. List out classification of stores.		
4. Define the term Entrepreneur.		
5. Define total quality Management.	$(5\times2=10)$	
PART — B		
(Maximum marks : 30)		
II Answer any five of the following questions. Each ques	tion carries 6 marks.	
1. Differentiate between feasibility report and project	report.	
2. What are the limitations of Bar chart?		
3. List out the contract system in construction works.		
4. What are the advantages of Lump-sum contract?		
5. List out any six objectives of Human Resources M		
6. List any six factors that may be considered before equipment.	selecting the construction	
7. What are the expectations of an entrepreneur?	$(5 \times 6 = 30)$	
PART — C		
(Maximum marks : 60)		
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(Answer one full question from each unit. Each fu		
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Unit — I	ll question carries 15 marks.)	
Unit — I	Il question carries 15 marks.) uning ? 5	
Unit — I III (a) What are the factors considered in preliminary plan	Il question carries 15 marks.) nning ? each activity is as follows:	
Unit — I III (a) What are the factors considered in preliminary plan (b) A project has nine activities; the expected time of	aning? 5 each activity is as follows: 5 4-5 5-6 3-6 4-6	
UNIT — I III (a) What are the factors considered in preliminary plan (b) A project has nine activities; the expected time of Activity : 1-2 2-3 2-4 3-4 3-5 Expected time : 3 3 2 0 3 (i) Draw the programme network.	aning? 5 each activity is as follows: 5 4-5 5-6 3-6 4-6	
Unit — I III (a) What are the factors considered in preliminary plan (b) A project has nine activities; the expected time of a Activity: 1-2 2-3 2-4 3-4 3-5 Expected time: 3 3 2 0 3	aning? 5 each activity is as follows: 5 4-5 5-6 3-6 4-6	

[P.T.O.

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			Marks
IV	(a)	Draw the diagrams, representing the following logic for CPM.	
		(i) Operation B can be begin only after operation A is completed.	
		(ii) Operation B & C can start only after A is over.	
		(iii) Operation C can begin only after operation A & B over.	
		(iv) Neither operation C & D can begin until both A & B are completed but C can be started independent of D or vice versa.	5
	(b)	Comparison between CPM and PERT.	10
		Unit — II	
V	(a)	What are the details must contain contract document?	7
	(b)	Explain general instructions to be observed in recording measurements.	8
		OR	
VI	(a)	List advantages of Lump-sum contract.	7
	(b)	Explain clearly the rules to be followed bill maintaining imprest account.	-8
		Unit — III	
VII	(a)	What is meant by Demurrage and Wharfage?	7
	(b)	Write short notes on :	
		(i) Indent (ii) invoice	8
		Or	
VIII	(a)	List any seven applications of Drag line.	7
	(b)	Explain batching plant and advantages of ready mix plant.	8
		Unit — IV	
IX	(a)	What are the general principles of safety in construction?	7
	(b)	What are the primary factors which can make a successful entrepreneur?	8
		OR	
X	(a)	What are the major causes of accidents at project site?	7
	(b)	State elements of Total Quality Management (TQM)	8