6621
BOARD DIPLOMA EXAMINATION
JUNE - 2019
DIPLOMA IN CIVIL ENGINEERING
CONSTRUCTION TECH. & PROJECT MANAGEMENT
FIFTH SEMESTER EXAMINATION

Time: 3 Hours   **Total Marks: 80**

PART - A   (3m x 10 = 30m)

Note 1: Answer all questions and each question carries 3 marks

2: Answers should be brief and straight to the point and shall not exceed 5 simple sentences

1. What is high strength concrete and mention where it is used?

2. Why cranes are used in construction work. What are the various types of cranes?

3. Mention the types of fire detectors and smoke sensors

4. Mention the methods to avoid glare in buildings

5. State the advantages of management techniques

6. Mention the importance of preparation of preliminary planning

7. Distinguish between construction stage and construction operation

8. State the importance of measurement book

9. What is the role of APSFC in promoting small scale industry?

10. List the formalities to become a contractor

PART - B   (10m x 5 = 50m)

Note 1: Answer any five questions and each carries 10 marks

2: The answers should be comprehensive and the criteria for valuation is the content but not the length of the answer

11. What is polymer concrete ? Explain the different types of polymer concretes. What are the advantages of polymer concrete?

12. State and explain the different methods of curing of concrete?

13. List the Aspects of Preliminary Planning of a Housing Colony Project

14. Draw the CPM network diagram for the following data. Identify the critical path. Find the total duration of the project. Draw the tabular form showing EST,LST,EFT,LFT and FLOAT.

Activity	1-2	2-3	2-4	3-5	4-5	4-7	3-6	5-7	5-8	6-8	7-8
Duration	6	12	10	36	6	8	10	14	16	0	12

15. Explain the necessity of tender system and its advantages

16. Write about shortages, surplus and write off of stores

17. Explain the advantages of sampling and testing of materials

18. How does banks help in the phased development of small scale industries

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