

**DIPLOMA IN CIVIL ENGINEERING (DCLE(G))**  
**DCLEVI**

**Term-End Examination**

**December, 2013**

**BCE-043 : CONSTRUCTION TECHNOLOGY-II**

*Time : 2 hours*

*Maximum Marks : 70*

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*Note : Attempt any five questions. Question No. 1 is compulsory. All questions carry equal marks.*

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1. (a) Acceptable Noise Level range is \_\_\_\_\_  
dB for Radio and TV studio. **7x2=14**
- (b) Core cutting test is carried out in a  
supervision of \_\_\_\_\_ work.
- (c) Fire caused by combustion of a wax petrol  
is classified as \_\_\_\_\_ fire.
- (d) Humidity is one of the functional  
requirement of \_\_\_\_\_ system in a  
building.
- (e) In a residential building for kitchen, the rate  
of supply of fresh air is \_\_\_\_\_ .
- (f) In grading of fire hazard, possibility of loss  
or damage to human life called \_\_\_\_\_  
Hazard.
- (g) CPM stands for \_\_\_\_\_ .

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| 2. | (a) | Describe various method of fire prevention and fire fighting recommended for a multi -storey residential complex.                  | 7 |
|    | (b) | Describe briefly various types of smoke detector used in fire fighting system.   | 7 |
| 3. | (a) | Explain in detail different types of Asphalt plants.   | 7 |
|    | (b) | List the types of stone crushers. Explain anyone of them in detail.  | 7 |
| 4. | (a) | Describe in detail the essential requirement of a site organisation.   | 7 |
|    | (b) | What are the constraints in the maintenance of buildings ? Explain in detail.  | 7 |
| 5. | (a) | List the type of Road Rollers. Explain any two of them.  | 7 |
|    | (b) | How are mixer designated ? Explain the working of Reverse Drum Mixer.  | 7 |
| 6. | (a) | Describe in detail the noise control and sound insulation of a building.   | 7 |
|    | (b) | What are the test carried out for testing property of concrete ? Explain their significance.                                       | 7 |
| 7. | (a) | Define moment , repetition, pattern, rhythm, emphasis , contrast and space in relation to aesthetic function of a building design. | 7 |
|    | (b) | Explain in detail the maintenance process of records for passing of works at various important stages.                             | 7 |