

DIPLOMA IN CIVIL ENGINEERING (DCLE(G))
DCLEVI

00790

Term-End Examination

June, 2014

BCE-043 : CONSTRUCTION TECHNOLOGY-II

Time : 2 hours

Maximum Marks : 70

Note : Attempt any **five** questions, including question no. 1 which is **compulsory**. All questions carry equal marks.

1. (a) In grading of fire hazard, spreading of fire inside the campus or building itself is called _____ Hazard.
- (b) Fire caused by combustion of LPG gas is classified as _____ fire.
- (c) Process of removing used air by fresh air from buildings is called _____ in buildings.
- (d) Acceptable Noise level range is _____ dB for radio and TV studio.
- (e) In offices, range of fresh air requirement is _____ .
- (f) Sheep Foot Roller is used to penetrate and compact the _____ .
- (g) Barchart indicates the forecast of the dates of _____ and _____ of various sections of work.

7×2=14

2. (a) Describe briefly various methods used for making connection in steel structure. Discuss the salient features and advantages of each. 7
- (b) Explain resisting properties for the following building material : 7
- (i) Concrete
- (ii) Stone
3. (a) Explain in detail different types of crushers with their merits and demerits. 7
- (b) Classify the acoustical defects. Explain any two of them in brief. 7
4. (a) Discuss in detail the requirement of supervision at construction site. 7
- (b) What are the tests carried out for testing the property of concrete ? Explain their significance. 7
5. (a) Describe briefly various types of smoke detectors used in fire-fighting system. 7
- (b) Explain Natural and Artificial methods of Ventilation of buildings and discuss their merits and demerits. 7
6. (a) Explain with the help of neat sketches various built-up sections of the structural element, for stanchion. 7
- (b) Write down the priorities of annual maintenance programme. 7

7. (a) Explain the role of users in maintenance of buildings. What are the agencies for carrying out repair work ? 7
- (b) What do you understand by the acoustic design of buildings ? 7
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