No. of Printed Pages : 3

BICEE-005

DCLEVI, DELVI DIPLOMA ENGINEERING

T	erm-End Examination
1.01	June, 2013
	NSTRUCTION SUPERVISION AND
Time : 2 hours	Maximum Marks : 70
Note : Question r	10.1 is compulsory. Attempt four more from

the remaining. Use of scientific calculator is permitted.

 Choose the correct answer in the following questions. 7x2=14

- (a) A contract must contain certain essential facts like :
 - (i) Lawful subject matter
 - (ii) Legally competent parties
 - (iii) both (i) and (ii)
 - (iv) Neither (i) nor (ii)
- (b) The construction management is necessary for the purpose of :
 - (i) Co-ordination between different agencies
 - (ii) Economy in construction
 - (iii) Speed of construction
 - (iv) All the above

- (c) Requirement of a good mortar for masonry are :
 - (i) strength
 - (ii) workability
 - (iii) high drying shrinkage
 - (iv) only (i) and (ii)
- (d) Coating of a vitreous substance over a surface is known as :
 - (i) Glazing (ii) Plastering
 - (iii) Distemper (iv) Painting
- (e) What kind of estimate is revised estimate, on revised quantities and rate of items ?
 - (i) Approximate (ii) Detailed(iii) Abstract (iv) None
- (f) Plastering is a process, which is done on :
 - (i) Foundation (ii) Brick wall
 - (iii) Floor (iv) None
- (g) A complete estimate is prepared after adding an estimated cost of all items (like land, legal expense, architect fee, etc). of the project to :
 - (i) Detailed estimate
 - (ii) Revised estimate
 - (iii) Abstract estimate
 - (iv) Supplementary estimate

BICEE-005

- What are the different estimations done at 14 subsequent stages of the construction project ? Bring out the importance of 'Estimation for Variations' in the overall time and cost management of the project.
- 3. Write short note on **any two** of the followings : () Pill of exercisive 2x7=14
 - (a) Bill of quantities
 - (b) Muster roll
 - (c) Anti-termite treatment
- Make an assessment, in regard to issues related 14 to workmanship in the construction activities and give some suggestions to assure quality in regard to workmanship.
- What are the general defects in Brick Masonry ? 14 Give an account of methods employed to improve the strength of Brick Masonry.
- Explain briefly the different types of steel 14 reinforcement with their usage in different types of construction activities.
- Make a detailed classification of cracks on the basis 14
 of various causes and factors that develop cracks.
- Differentiate between reinforced concrete and 14 prestressed concrete and bring out the advantages and disadvantages of prestressed concrete.

BICEE-005

3