

B.E DEGREE EXAMINATIONS: NOV/DEC 2012

Third Semester

CIVIL ENGINEERING

CEE105: Construction Technology

Time: Three Hours

Maximum Marks: 100

Answer all the Questions:-

PART A (10 x 1 = 10 Marks)

1. When two or more footings connected by a beam, it is called
 - a) beam footing
 - b) combined footing
 - c) strap footing
 - d) mat footing
2. A flexible material used for D.P.C is
 - a) bitumen sheeting
 - b) plastic sheeting
 - c) mastic asphalt
 - d) cement concrete
3. When it is necessary to brace the walls of trench to hold the sheeting on trench walls, the best excavating equipment is
 - a) hoe
 - b) drag line
 - c) clamshell
 - d) shovel
4. The temporary structures constructed very close to the wall in the form of timber or steel frame work is called as
 - a) Form work
 - b) shoring
 - c) scaffolding
 - d) underpinning
5. Thin piles made of plates of concrete, timber or steel driven into the ground for stopping seepage of water is known as
 - a) Sinking cofferdam
 - b) Sheet piles
 - c) Diaphragm walls
 - d) caissons
6. Pile frames, pile hammer, leads and winches are used for
 - a) Sheet piling
 - b) Pile driving
 - c) caissons
 - d) Tunneling
7. The methods like ground assembly method, section method, piece meal method or helicopter method are used for
 - a) Tunneling
 - b) Driving piles
 - c) Erection of transmission towers
 - d) Aerial transportation of light weight materials

23. a) Explain with neat sketch box jacking and pipe jacking in detail.

(OR)

b) (i) Write short notes on caissons or well foundations (7)

(ii) Explain with neat sketch the method of shoring for deep cutting (7)

24. a) Explain with neat sketch the method of erection of transmission towers

(OR)

b) Write short notes on erecting light weight components in tall structures

25. a) Write short notes on equipments for foundation and pile driving

(OR)

b) Write short notes on dewatering and pumping equipment
