

( 2 )

4. For bridge construction most commonly three process been adopted 20
- a) Erection by pushing
  - b) Erection by crane/shear legs
  - c) Erection by using gantry girders.
- Explain every process with neat sketch.
5. Explain the process of "well sinking". What kind of defects may happened in well sinking process and what are the rectification measures explain with neat sketch. 20
6. a) Draw a sketch of typical column shuttering showing different component.
- b) What is butt and fillet weld.
  - c) Explain "DMC" method of pilling with sketch. 20

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Ex/CON/T/223/105/2011

**BACHELOR OF CONSTRUCTION ENGG. EXAMINATION, 2011**

(2nd Year, 2nd Semester)

**PROCESS OF CONSTRUCTION**

Time : Three hours

Full Marks : 100

Answer any **five** questions.

1. KMC is laying 64" dia concrete pipe under very congested BT Road. What process of construction is adopted for laying 64" dia pipe under very congested road without hampering traffic activity on the road.  
Explain the process of pipe laying with neat sketch. 20
2. KMRCL is constructing Howrah maidan metro station, total excavation depth is around 30 meter below ground level, as such no side space is available in Howrah maidan area.  
Which process is adopted for excavation of 30 meter depth in very congested place. Explain the process with every steps and neat sketch. 20
3. Write short note on. 20
  - a) Sheet piling
  - b) Poker vibrator
  - c) Box pushing method
  - d) Piston type concrete pump.

[ Turn Over ]