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Roll No

MVCT/MBCT/MVCP-104**M.E./M.Tech. I Semester**

Examination, December 2017

Construction Technology*Time : Three Hours**Maximum Marks : 70***Note:** i) Attempt any five questions.

ii) All questions carry equal marks.

1. a) Describe various low cost road construction techniques and respective materials used for construction.
b) Describe with line diagram "Hot Mix Plant".
2. a) How form works for special structures differ from normal structures?
b) Explain design and construction features of different types of temporary structures.
3. Differentiate between
a) Shop and insitu steel construction techniques.
b) Pre tensioning and post tensioning in pre-stressing techniques.
4. Discuss construction techniques of following special structures.
a) Tunnels
b) Under ground structures.

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5. a) What are the different safety measures taken at the time of high rise building construction?
b) What is the importance of clearances and tolerances? Enlist separately.
6. Discuss:
a) Erection of steel trusses for an industrial building.
b) Launching Pre-cast bridge girders. (With line diagram)
7. Explain different types of steel connections with neat sketches. State their relative merits and demerits.
8. Write short notes on any four of the following.
a) Laying heavy pipelines
b) High strength steel bolt
c) Advanced techniques used in construction of dams
d) Removal of form works
e) Erection of steel chimneys
f) Off-Shore platform constructions.

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