



Reg. No. : .....

Name : .....

**Combined First and Second Semester B.Tech. Degree  
Examination, April 2014  
(2013 Scheme)  
13.106 : BASIC CIVIL ENGINEERING (ABEFHMNPRSTU)**

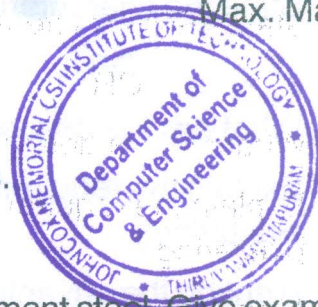
Time : 3 Hours

Max. Marks : 100

**PART – A**

Answer **all** questions. **Each** question carries **4** marks.

1. Briefly explain the advantages of Total Station.
2. Differentiate between structural steel and reinforcement steel. Give examples.
3. Write short note on workability of concrete.
4. Explain the situation where combined footing is suggestive than isolated footing.
5. Mention the sources of air pollution. (5×4=20 Marks)



**PART – B**

Answer **any full** questions from **each** Module. **Each** question carries **20** marks.

**Module – I**

6. a) What are the uses of contour maps ? 4
- b) The following readings were taken with a dumpy level. The instrument was shifted after 3<sup>rd</sup> and 6<sup>th</sup> readings. Calculate the reduced levels of all stations. Assume the RL of the first station as + 100.00.

BS	IS	FS	BS	IS	FS	BS	IS	FS
0.955	2.225	1.850	1.165	3.150	1.900	2.750	2.220	1.550

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- c) Mention the temporary adjustments of a level. 4

OR

