

Roll No. ....

**23056**

**M. Tech. 1st Semester  
(Mech. Engg.) (Manufacturing and  
Automation) Examination-  
May, 2015**

**FOUNDRY TECHNOLOGY**

**Paper : 835/M-609-A**

**Time : 3 hours**

**Max. Marks : 100**

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Before answering the questions, candidates should ensure that they have been supplied the correct and complete question paper. No complaint in this regard will be entertained after the examination.

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**Note :** Attempt any **five** questions.

1. What is cost ability and what are the factors responsible for cost ability ? (20)
2. Explain the cupola Furnace with sketch, working principle, construction and its zones. (20)

3. (a) Which type of force acting on the core and mold ? (10)
- (b) What are the application of traffic rules ? (10)
4. (a) What are the practical rules for gating system ? (10)
- (b) Define Riser. Explain its function and types. (10)
5. Explain the cold chamber Die Casting with neat sketch, working principle and precautions. (20)
6. Explain the salvage technique in detail. (20)
7. Explain the heat treatment of Ferrous casting. (20)

23056-400-(P-3)(Q-8)(15) (2)

8. (a) What steps should be taken to control the pollution in Foundry ? (10)

(b) What parameters should be kept in mind to control the quality of casting ? (10)

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