

SECTION-C

Note: Long answer type questions. Attempt any three questions. 3x10=30

- Q.3 Explain sand moulding process in detail.
- Q.4 Name various patterns and explain any one.
- Q.5 Explain different type of cores in detail.
- Q.6 Explain the importance of colour coding.
- Q.7 Explain removal of gating in detail.

No. of Printed Pages : 4

Roll No.

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4th Sem. / F & F

Subject : Foundry Technology - I

Time : 3 Hrs.

M.M. : 100

SECTION-A

Note: Very Short Answer type questions. Attempt any 15 parts. (15x2=30)

- Q.1
 - a) What are binders?
 - b) Define fettling.
 - c) Define sprue.
 - d) What is green sand?
 - e) What is a mould?
 - f) Define blowability.
 - g) Name different type two core boxes.
 - h) Define an allowance.

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- i) Define moisture content.
- j) What are chaplets?
- k) Define grain size.
- l) What is de-finning?
- m) Name two types of risers.
- n) Name two melting methods.
- o) Name two elements of gating system.
- p) What is sand reclamation.
- q) Define chills.
- r) Define clay content.
- ii) Explain one method of melting.
- iii) Name various types of patterns.
- iv) Name pattern making tools.
- v) Name some moulding materials.
- vi) Define core knock out.
- vii) What is foundry process.
- viii) How will you inspect dimensionally a casting?
- ix) Write general steps in pattern making.
- x) Explain venting.
- xi) Why do we test moulding sand.
- xii) Why pattern allowances are provided.
- xiii) Explain core making.
- xiv) Describe various types of sand.
- xv) Define collapsibility.

SECTION-B

Note: Short answer type questions. Attempt any ten parts 10x4=40

Q.2 i) Name various types of moulding sand.

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