

# EXAMINATION ON FOUNDRY TECHNOLOGY

## EXAMINATION PROGRAMME ON FOUNDRY TECHNOLOGY

EXAMINATION DATES - 08TH TO 12TH DECEMBER, 2025

### MODULE-I

| Day/Date             | 10:00 am to 1:00 pm                              | 2:00 pm to 5:00 pm           |
|----------------------|--------------------------------------------------|------------------------------|
| Monday/08.12.2025    | English (P1)                                     | Physics (P2)                 |
| Tuesday/09.12.2025   | Chemistry (P3)                                   | Mathematics (P4)             |
| Wednesday/10.12.2025 | Engineering Drawing (P5)                         | Workshop Technology (P6)     |
| Thursday/11.12.2025  | Pattern Construction (P7)                        | Moulding Technology (P8)     |
| Friday/12.12.2025    | Melting Tech./Cupola Meltg Emission Control (P9) | Cast Metal Technology (P-10) |

### MODULE – II (SECTION: A)

| Day/Date             | 10:00 am to 1:00 pm                             | 2:00 pm to 5:00 pm                  |
|----------------------|-------------------------------------------------|-------------------------------------|
| Monday/08.12.2025    | Mathematics (A-1)                               | Engg Physics (A2)                   |
| Tuesday/09.12.2025   | Applied Chemistry (A3)                          | English for Communication (A4)      |
| Wednesday/10.12.2025 | Engg Drawing (A5)                               | Introduction to Computing (A6)      |
| Thursday/11.12.2025  | Electrical Technology & Electronic Devices (A7) | Introduction to Engg Materials (A8) |
| Friday/12.12.2025    | Basic Mechanical Engg (A9)                      |                                     |

### MODULE – II (SECTION: B)

| Day/Date             | 10:00 am to 1:00 pm                                                                                                                                                     | 2:00 pm to 5:00 pm                                                                                                                                                                                           |
|----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday/08.12.2025    | Casting Technology (B1)                                                                                                                                                 | Mould and Core Making (B2)                                                                                                                                                                                   |
| Tuesday/09.12.2025   | Melting & Casting Technology (B3)                                                                                                                                       | Special Casting Processes (B4)                                                                                                                                                                               |
| Wednesday/10.12.2025 | Heat Treatment of Cast. Related Equipment's (B5)                                                                                                                        | Testing & Inspection in Foundry (B6)                                                                                                                                                                         |
| Thursday/11.12.2025  | Industrial Management (B7)                                                                                                                                              | <b>Elective -I (B8) any one of the following</b><br>a) Process Planning & Cost Estimation (EI)<br>b) Poll. Control & Occupational Health in Fdy. (EII)<br>c) Principles of Methoding & Casting Design (EIII) |
| Friday/12.12.2025    | <b>Elective-II(B9) any one of the following</b><br>a) Technology of Cast iron (EIV)<br>b) Technology of Cast Steel (EV)<br>c) Tech of Non Ferrous Metals & Alloys (EVI) |                                                                                                                                                                                                              |

### MODULE - IV (SECTION: A)

| Day/Date             | 10:00 am to 1:00 pm                      | 2:00 pm to 5:00 pm                       |
|----------------------|------------------------------------------|------------------------------------------|
| Monday/08.12.2025    | Mathematics (A-1)                        | Introduction to Computing (A-2)          |
| Tuesday/09.12.2025   | Physics (A3)                             | Chemistry (A4)                           |
| Wednesday/10.12.2025 | Mechanics of Solids and Fluids (A5)      | Introduction to Materials (A6)           |
| Thursday/11.12.2025  | Workshop Technology for Foundrymen (A7)  | Basic Electrical & Electronics Engg (A8) |
| Friday/12.12.2025    | English for Technical Communication (A9) | Engineering Drawing (A-10)               |

### MODULE - IV (SECTION: B)

| Day/Date             | 10:00 am to 1:00 pm                                                                                                                                                                                                    | 2:00 pm to 5:00 pm                                                                                                                                                            |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Monday/08.12.2025    | Theory of Foundry Processes (B1)                                                                                                                                                                                       | Principles of Methoding & Castg. Design (B2)                                                                                                                                  |
| Tuesday/09.12.2025   | Testing of Metals & Alloys (B3)                                                                                                                                                                                        | Fuels, Furnaces & Refractories (B4)                                                                                                                                           |
| Wednesday/10.12.2025 | Foundry Management (B5)                                                                                                                                                                                                | Metallurgy of Cast Alloys (B6)                                                                                                                                                |
| Thursday/11.12.2025  | Energy Efficiency & Pollution Control (B7)                                                                                                                                                                             | Advances in Casting Technology (B8)                                                                                                                                           |
| Friday/12.12.2025    | <b>Elective I(B9) any one of the following from each group</b><br>a) Technology of Iron Casting<br>b) Steel Foundry Technology<br>c) Non-ferrous Foundry Technology<br>d) Physical Met of Ferrous & Non Ferrous Alloys | <b>Elective II(B10) any one of the following each group</b><br>a) Welding Technology<br>b) Foundry Instrumentation & Control<br>c) Foundry Mechanisation, Automation & Layout |

| EXAMINATION DATES - 08TH TO 12TH DECEMBER 2025                                                                                                                                                                                    |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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|                                                                                                                                                                                                                                   | Module-I                                                                                                                                                                                                                                                        | Module-II                                                                                                                                                                                                                                                                                                                                                                                                                             | Module-IV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Eligibility</b>                                                                                                                                                                                                                | Class 10 passed of 10 +2 Schemes or equivalent qualification                                                                                                                                                                                                    | (i) Class 10 Passed of 10 +2 in Science or its equivalent with Physics, Chemistry and Mathematics.<br>(ii) ITI Passed<br>(iii) Module -I of IIF passed.                                                                                                                                                                                                                                                                               | 10+2 in Science or its equivalent with Physics, Chemistry and Mathematics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Practical Experience</b>                                                                                                                                                                                                       | Nil                                                                                                                                                                                                                                                             | 1 (ONE) year practical experience in foundry or allied industry before/after successful completion of the course. However, candidates with less than 1 (ONE) year's experience may also appear in Part – "A" provided he/she acquires six months of practical experience before appearing in Part – "B" and 1(ONE) year's experience or training in an approved foundry or related organisation for awarding Module – II Certificate. | (a) Two years working experience in Foundry.<br>(b) Engineering Graduates in Metallurgy / Mechanical/Production / Manufacturing etc. where Foundry is a subject, are not required to have any practical experience.<br>(c) Candidates with less than 2 years practical experience or with no experience may also appear provided:<br>(i) He/She has acquired six months' practical experience before appearing in Sec. 'B' and<br>(ii) Practical experience of 2 years of training in an approved foundry or related organisation before he/ she is conferred with the final certificate by the Institute. |
| <b>Registration</b>                                                                                                                                                                                                               | Eligible candidates are to register themselves as student of Module-I Certificate Examination. Once registered, student will receive Syllabus and Study Materials of all the 10 subjects. Students willing to register have to send a DD of ₹ 2,000 + GST @18%. | Eligible candidates are to register themselves as students of Module - II Examination. For this purpose, a candidate should submit Registration Form. duly filled-in along with a Bank Draft for ₹ 800 +GST @18% to get his/her Registration Number.                                                                                                                                                                                  | Eligible candidates are to register themselves as students of Module-IV Examination. For this purpose, a candidate should submit Registration Form, duly filled-in, along with a Bank Draft for ₹ 1000 to get his/ her Registration Numbers.                                                                                                                                                                                                                                                                                                                                                               |
| <b>Examination Fee</b>                                                                                                                                                                                                            | ₹ 100 for each paper or ₹ 900 + GST @ 18% for TEN papers at a time.                                                                                                                                                                                             | ₹ 500 + GST @ 18% for each paper or ₹ 2000 + GST @ 18% for appearing in FIVE papers under one Section at a time.                                                                                                                                                                                                                                                                                                                      | ₹ 600 + GST @ 18% for each paper or ₹ 2500 + GST @18% for appearing in FIVE papers under one Section at a time.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Syllabus</b>                                                                                                                                                                                                                   | Cost of Syllabus along with Registration Form is ₹ 100.                                                                                                                                                                                                         | Cost of Syllabus along with Registration Form is ₹ 100.                                                                                                                                                                                                                                                                                                                                                                               | Cost of Syllabus along with Registration Form is ₹ 100.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Question Bank</b>                                                                                                                                                                                                              | Available Question Papers of previous 10 Years<br>Module - I - ₹ 300                                                                                                                                                                                            | Available Question Papers of previous 10 Years<br>Module - II A - ₹ 300<br>Module - II B - ₹ 300                                                                                                                                                                                                                                                                                                                                      | Available Question Papers of previous 10 Years<br>Module - II A - ₹ 300<br>Module - II B - ₹ 400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Note:</b> All Demand Drafts are to be drawn in favour of <b>"The Institute of Indian Foundrymen"</b> in advance as per requirement. <b>Account No:</b> 098301001880, <b>IFSC :</b> ICIC0000983, <b>Branch:</b> Kasba, Kolkata. |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Last Date of Application:</b> Duly Filled Examination Application Form should reach IIF office on or before November 15th, 2025.                                                                                               |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>(25% Discount on NCSD Guide Notes for Students only registered in IIF Courses)</b>                                                                                                                                             |                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |



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