

EXAMINATION PROGRAMME ON FOUNDRY TECHNOLOGY

EXAMINATION DATES - 09TH TO 13TH DECEMBER, 2024

MODULE-I

Day/Date	10:00 am to 1:00 pm	2:00 pm to 5:00 pm
Monday/09.12.2024	English (P1)	Physics (P2)
Tuesday/10.12.2024	Chemistry (P3)	Mathematics (P4)
Wednesday/11.12.2024	Engineering Drawing (P5)	Workshop Technology (P6)
Thursday/12.12.2024	Pattern Construction (P7)	Moulding Technology (P8)
Friday/13.12.2024	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/09.12.2024	Mathematics (A-1)	Engg Physics (A2)
Tuesday/10.12.2024	Applied Chemistry (A3)	English for Communication (A4)
Wednesday/11.12.2024	Engg Drawing (A5)	Introduction to Computing (A6)
Thursday/12.12.2024	Electrical Technology & Electronic Devices (A7)	Introduction to Engg Materials (A8)
Friday/13.12.2024	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/09.12.2024	Casting Technology (B1)	Mould and Core Making (B2)
Tuesday/10.12.2024	Melting & Casting Technology (B3)	Special Casting Processes (B4)
Wednesday/11.12.2024	Heat Treatment of Cast. Related Equipment's (B5)	Testing & Inspection in Foundry (B6)
Thursday/12.12.2024	Industrial Management (B7)	Elective -I (B8) any one of the following a) Process Planning & Cost Estimation (EI) b) Poll. Control & Occupational Health in Fdy. (EII) c) Principles of Methoding & Casting Design (EIII)
Friday/13.12.2024	Elective-II(B9) any one of the following a) Technology of Cast iron (EIV) b) Technology of Cast Steel (EV) 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/09.12.2024	Mathematics (A-1)	Introduction to Computing (A-2)
Tuesday/10.12.2024	Physics (A3)	Chemistry (A4)
Wednesday/11.12.2024	Mechanics of Solids and Fluids (A5)	Introduction to Materials (A6)
Thursday/12.12.2024	Workshop Technology for Foundrymen (A7)	Basic Electrical & Electronics Engg (A8)
Friday/13.12.2024	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/09.12.2024	Theory of Foundry Processes (B1)	Principles of Methoding & Castg. Design (B2)
Tuesday/10.12.2024	Testing of Metals & Alloys (B3)	Fuels, Furnaces & Refractories (B4)
Wednesday/11.12.2024	Foundry Management (B5)	Metallurgy of Cast Alloys (B6)
Thursday/12.12.2024	Energy Efficiency & Pollution Control (B7)	Advances in Casting Technology (B8)
Friday/13.12.2024	Elective I(B9) any one of the following from each group a) Technology of Iron Casting b) Steel Foundry Technology c) Non-ferrous Foundry Technology d) Physical Met of Ferrous & Non Ferrous Alloys	Elective II(B10) any one of the following each group a) Welding Technology b) Foundry Instrumentation & Control c) Foundry Mechanisation, Automation & Layout

EXAMINATION ON FOUNDRY TECHNOLOGY

EXAMINATION DATES - 09TH TO 13TH December 2024

	Module-I	Module-II	Module-IV
Eligibility	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. (ii) ITI Passed (iii) Module -I of IIF passed.	10+2 in Science or its equivalent with Physics, Chemistry and Mathematics
Practical Experience	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. (b) Engineering Graduates in Metallurgy / Mechanical/Production / Manufacturing etc. where Foundry is a subject, are not required to have any practical experience. (c) Candidates with less than 2 years practical experience or with no experience may also appear provided: (i) He/She has acquired six months' practical experience before appearing in Sec. 'B' and (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.
Registration	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.
Examination Fee	₹ 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.
Syllabus		Cost of Syllabus along with Registration Form is ₹ 100.	Cost of Syllabus along with Registration Form is ₹ 100.
Question Bank	Available Question Papers of previous 10 Years Module - I - ₹ 300	Available Question Papers of previous 10 Years Module - II A - ₹ 300 Module - II B - ₹ 300	Available Question Papers of previous 10 Years Module - II A - ₹ 300 Module - II B - ₹ 400

Note: All Demand Drafts are to be drawn in favour of "The Institute of Indian Foundrymen - CET" in advance as per requirement. **Account No:** 098301001880, **IFSC :** ICIC0000983, **Branch:** Kasba, Kolkata.

Last Date of Application: Duly Filled Examination Application Form should reach IIF office on or before November 30th, 2024.

(25% Discount on CET Guide Notes for Students only registered in IIF Courses)



**THE INSTITUTE
OF INDIAN
FOUNDRYMEN**

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**NATIONAL CENTRE FOR
SKILL DEVELOPMENT**

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