



ENTRI

1 Crore User Downloads

TENTATIVE SYLLABUS FOR THE POST OF
TRADESMAN
(*MOULDING/FOUNDRY*)

**TECHNICAL EDUCATION
DEPARTMENT**

(Cat.No.424/2023)

SL NO	MODULE	TOPICS
1.	Safety	<ul style="list-style-type: none"> • Safety precautions • Identification of safety sign • Fire extinguishers • Material handling
2.	Tools, Equipments, Raw Materials	<ul style="list-style-type: none"> • History of Foundry • Tools • Raw Materials
3.	Sand Preparation & Testing	<ul style="list-style-type: none"> • Sand preparation • Tools • Clay test, Permeability test • Strength test, Fineness test
4.	Mould, Core, Casting Practice	<ul style="list-style-type: none"> • Ramming procedure • Gating system • Moulding boxes • Different types of sand mould • Types of moulding process • Cores
5.	Pattern Making & Repairing	<ul style="list-style-type: none"> • Pattern making • Repairing of patterns • Repairing core boxes • Gating system
6.	Metal Working	<ul style="list-style-type: none"> • Crucible • Induction furnace • Blast furnace, etc.

7.	Mould and Gating System	<ul style="list-style-type: none"> • Different moulds and gating system • Core making • Oil sand and no bake core • Mould without pattern • Common cas alloys, effects of alloying elements
8.	Casting	<ul style="list-style-type: none"> • Different types of casting • Investment casting • Gravity die casting • Sand casting • Die casting, etc.

NOTE: - It may be noted that apart from the topics detailed above, questions from other topics prescribed for the educational qualification of the post may also appear in the question paper. There is no undertaking that all the topics above may be covered in the question paper

THANK YOU

