

**DETAILED SYLLABUS FOR THE POST OF TRADESMAN - PRINTING
TECHNOLOGY IN (TECHNICAL EDUCATION) - DIRECT RECRUITMENT**

(CAT.NO. : 423/2023)

- Module I - Developments in Printing** (Score :10)
Classification of Printing - Conventional - Non impact printing- Print production
- Module II - Printing Industry** (Score :5)
Division of printing industry - Different types of print media- Print production work flow
- Module III - Graphic Designing** (Score :10)
Design principles-Types of images-Scanners- Page layout software-File formats- Colour- Colour separation
- Module IV - Digital prepress** (Score :10)
Image assembly -Page formats-Page layout-Imposition
- Module V - Materials for printing** (Score :15)
Types of Paper, properties, paper size-Types of Inks, ingredients, properties, drying methods- Chemicals used in printing-Types of plates, plate making.
- Module VI - Offset printing** (Score :10)
Sheetfed types- Units- Machine Operations- Web fed - Classification- Units- operations-Multicolour printing
- Module VII - Trouble shooting** (Score :10)
Paper problems- Ink problems - Printing problems-Blanket problems -Quality control devices
- Module VIII - Finishing and Binding** (Score :10)
Finishing operations- Safety measures - Binding Classification-Sewing types- Hard bound- Paper back- Forwarding- Gathering- Cutting-Embossing-Collating-Endpapers
- Module IX – Packaging** (Score :10)
Types of packaging- Importance of packaging-Materials used for packaging - Cartons
- Module X - Basic Engineering** (Score :10)
Printing machine parts- Mechanical, hydraulic, electrical, pneumatic components- Motors and Transformers

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.