

Government Institute of Printing Technology, Mumbai.

Sample Paper

Course: Press work Plano/ Sheet fed
Duration: 03Hours

Code: M504
Marks: 80

Instructions to candidates:

1. Attempt all questions and illustrate your answers with neat sketches wherever necessary.
 2. Figures to the right indicate full marks.
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- Q1 Answer any five questions. 20**
- a. Draw schematic diagram of perfecting type offset machine and name its parts.
 - b. Compare single sheet feeder and stream feeder.
 - c. Write functions of a) Endless tapes, b) Forwarding wheels
c) Two sheet detector d) No sheet detector.
 - d. Describe working of dampening system.
 - e. Write importance of pH in fountain solution.
 - f. Describe ink flow theory on offset printing.
 - g. Name the types of blanket and explain any one.
- Q2 Answer any three questions. 12**
- a. Describe pressure setting of impression cylinder in connection with paper thickness.
 - b. Write function of following a) Start target b) Slur guide
c) Registration marks d) Color control bar.
 - c. Describe forme rollers setting to plate and metal rollers.
 - d. Name the type of feeding system. Explain any one.
 - e. Name the components of dampening solution.
- Q3 Answer any three questions. 12**
- a. Draw a diagram of conventional dampening system and name its parts.
 - b. Describe construction of plate cylinder.
 - c. Write causes and remedies of following a) Scum b) Dot gain.
 - d. What is anti set - off spray ? Explain.
 - e. Describe three point registration with diagram.
- Q4 Answer any three questions. 12**
- a. List any two grippers used on sheet fed press with diagram.
 - b. Draw a diagram of inking system and name state its parts.
 - c. Explain working of metal decorating press and its applications.
 - d. Write working and function of delivery unit of offset machine.
- Q5 Answer any three questions. 12**
- a. State importance of test form./ Describe applications of test forme.
 - b. Why three cylinders of printing unit are not arranged in straight line? Explain.
 - c. Describe the following a) Swing gripper b) Tumbler gripper.
 - d. Describe pin registering system.
 - e. Describe the following a) Water hardness b) Conductivity.
- Q6 Answer any two questions. 12**
- a. Explain the principle of Lithographic offset.
 - b. List any four mechanical components of feeder of sheet feed offset press.
 - c. Write functions of inking system.
 - d. State the parts of blanket cylinder.