

Government Institute of Printing Technology, Mumbai.

Sample Paper

Course: Digital Printing
Duration: 03Hours

Code: M507
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. Write advantages & two limitations of digital printing processes.
 - b. Explain working of charge generation material.
 - c. Write four characteristics of organic photo conductor.
 - d. Write names of four companies which manufacturer large format printers.
 - e. Explain SWOP certification for proofing system.
 - f. Write four factors affecting output resolution.
- Q2 Answer any two questions. 12**
- a. Compare conventional & digital printing technologies up to six points.
 - b. Draw schematic diagram of Electrophotography process & state working principle.
 - c. Explain working principle of inkjet printing process with diagram.
- Q3 Answer any two questions. 12**
- a. Write three characteristics each of liquid toner & dry toner.
 - b. Write six required properties of substrates used in digital printing.
 - c. Explain a) soft proofing b) remote proofing techniques.
- Q4 Answer any two questions. 12**
- a. Explain working of magnetography with schematic diagram.
 - b. Explain thermal transfer digital printing system with diagram.
 - c. Explain the function of memory & processor in output device.
- Q5 Answer any two questions. 12**
- a. Write two characteristics each of print on demand (POD) variable data printing (VDP) and remote publishing (web 2 print)
 - b. Explain general composition of ink used in inkjet process.
 - c. Explain hard proofing. State its two advantages.
- Q6 Answer any two questions. 12**
- a. 1. Write three applications of digital printing.
2. Write three characteristics of GRACOL
 - b. Explain classification of inkjet printing process.
 - c. Write three troubles and one remedy each related to digital printing.