

Marks: 80

Duration : 3 hrs

N.B.

- Question No.1 Compulsory.
 - Answer any three from the remaining five questions.
 - Figures to the right indicate full marks
 - Give illustrations and examples wherever necessary
 - Indicate question no. properly
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1. Describe in brief the flexographic printing process w.r.t. following:
 - a) Designing and Artwork 05
 - b) Pre-press operations 05
 - c) Press units 05
 - d) Process Print quality control 05

 2. a) Explain the any one flexo plate mounting system. 10
b) Describe the principle of stroboscope & explain its mechanism with labeled diagram. 10

 3. a) Describe what plate distortion is, explain its formula with suitable example. 10
b) Explain the types of flexographic CTP plates with their exposure and development procedure. 10

 4. a) Explain the Dancer Roller assembly with labeled diagram, method of controlling web tension in close loop. 10
b) Describe the step by step process for Sheet photopolymer plate making with neat labeled diagram. 10

 5. a) Discuss the structure and functioning of Pivot type web guides. 10
b) Describe the Pin register system used in flexo prepress. 10

 6. a) Explain the structure and orientation of printing unit employed in Stack press. 10
b) Explain the construction of Anilox roll & the types of cell structure. 10

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