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Bachelor of Engineering
Printing Technology IV Semester Apr. 2012
PT 284 Film Assembly and Platemaking

Time 3 Hrs.

Max.Marks:100

Answer All Questions

Part A

10x2=20 Marks

1. What is actinic light?
2. Define sheet work and half sheet work?
3. What quality control aids are required in a platemaking room?
4. What is a collating mark?
5. What is the concept of pin register system?
6. What is meant by first line-of print?
7. How the book margin is calculated?
8. Enumerate the various types of light sensitive materials used in plate making?
9. Why roughening is needed on an offset plate?
10. What informations are required by a planner with regard to printing?

Part B

5x16=80 Marks

11. What are the requirements of a film element for offset plate making and explain various methods of obtaining a laterally reversed image on a film?
12. a.Explain the characteristic features of different light sources that could be used for plate exposure.

Or

b.i.Explain the fundamental features of a printing down frame and the light source.

ii.How will you check their efficient working?

13. a.What is meant by desensitization? Explain the process of chemicals reactions involved in it.

Or

b.Explain the anodizing process in general and pre-sensitized plate coating in particular.

14. a.Explain any three types of computer-to-plate coatings widely in use.

Or

b.Explain the working principle of any two computer-to-plate making systems in detail.

15. a.Explain any two types of conventional plate making in detail.

Or

b.Explain any three types of modern plate making methods in detail.