

Time : 3 hrs

Max Mark:100

ANSWER ALL QUESTIONS

**Part - A (10 x 2 = 20 Marks)**

1. Define: Quality Assurance
2. What is Appraisal cost?
3. Define: UCL & LCL
4. Write down the tests you recommend for paper to assure quality?
5. Why we need material control?
6. List down the various statistical control tools
7. Develop a quality control checklist for e-publishing.
8. Justify the need for process control?
9. Give the advantages Solid ink stripes?
10. How the GSM differs with basis weight?

**Part - B (5 x 16 = 80 Marks)**

11. a. Explain the various statistical tools in short and explain the control chart elaborately.
12. a. Discuss the importance of a quality control programme for a commercial printing house with a brief specification of each step in detail.

or

b. Write the various cost involved in maintaining quality programme .

13. a. Write necessary specifications , testing and handling of plate and blanket used in a printing industry in detail

or

- b. i) Define: Sampling. Derive the need for sampling comparing the spoilage due to defective lots (8)  
ii) Draw the graph for RUN, LEVEL SHIFT and CYCLES and explain (8)

14. a. Describe the salient features of any six tone transfer control elements of quality control aids in detail .

or

- b. Explain the following.  
i). Types of curl (4)      ii. Print Attributes (8)      iii. Diffusion exposure (4)

15. a Write a short note on following.

- i). Durometer (4)      ii). Visco meter (6)      iii) Cobb tester (6)

or

b. Write elaborately any eight quality control aids with its significant features.