Roll No. | | | | | | | | | | |

B.E / B.Tech (Full Time) DEGREE END SEMESTER EXAMINATIONS, APRIL / MAY 2013

PRINTING TECHNOLOGY BRANCH

FIFTH SEMESTER

PT9028 QUALITY CONTROL IN PRINTING

(Regulation 2008)

Time: 3 Hours | Answer ALL Questions | Max. Marks 100

PART-A (10 x 2 = 20 Marks)

1. Brief the purpose of Quality control.
2. Define: Quality Assurance
3. Write short note on control chart.
4. How blankets are maintained to produce quality?
5. Why do we need material control?
6. Which standard should be followed in offset printing?
7. Mention some quality control checklist for prepress.
8. What do you mean by measurable attributes?
9. Write the purpose of star target.
10. What is dot gain?

Part – B (5 x 16 = 80 marks)

11. Discuss the quality control programme for a Newspaper press with a brief specification of each step in detail

12. a) Explain the control chart techniques elaborately and also write the interpretation of the result.

OR

b Explain any six statistical tools used in quality control programmes.

13. a) Explain how the sampling and inspection is important to improve quality and reduce waste in the printing process.

OR

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

14. a) Explain the following.

i. Process control (8) ii. Quality monitoring (8)

OR

b) Describe how the wastage and spoilage control plays a important role in maintaining quality of the process in detail.

15. a) Using a neat diagram explain the working of Tensile strength testing Machine and paper board Burst strength testing machine in detail.

OR

b) With clear diagram describe the working principle of any two ink property testing instruments in detail.