

B.E. (FT) END SEMESTER EXAMINATIONS - APRIL/MAY 2019
PRINTING TECHNOLOGY
SIXTH SEMESTER
PT7692 – INTRODUCTION TO SCREEN PRINTING
(Regulation 2015)

Time: 3 Hours

Answer ALL Questions

Max. Marks 100

Part - A (10 x 2 = 20 marks)

1. State the principle of screen printing.
2. Mention any four materials used for making screen printing frames.
3. Why do the fabric be abraded and degreased before stencil application on the mesh?
4. Differentiate between direct and indirect photomechanically made stencil in screen printing.
5. What are the printing factors to be considered in screen printing?
6. List out few commonly used materials in screen printing.
7. Write down the consequences of excessive tension on the fabric.
8. Mention the types of tensioning devices used with fixed frames.
9. What is known as carousel machine in screen printing?
10. Write down few safety measure to be followed in screen printing industry.



Part - B (5 x 13 = 65 marks)

11. (a) (i) Discuss in detail on the various components of screen printing with neat sketches. (8)
(ii) List out the factors affecting the quality of screen printing. (5)
(or)
(b) Discuss on the factors that have to be considered while selecting the fabric used in screen printing process?
12. (a) Discuss in detail on the steps to be followed in the preparation of stencil with direct method. (8)
(or)
(b) Explain in detail on the different methods used for making handmade stencils with neat sketches.
13. (a) (i) Describe in detail about the various design considerations while selecting screen printing process. (8)
(ii) List out few screen printed products in today's market (any ten). (5)
(or)
(b) Name some of the flat and three dimensional substrates used in screen printing and discuss on its characteristics.
14. (a) With neat sketches, explain in detail on different types of screen printing machines. (8)
(or)
(b) Write notes on frame counterbalance, clamping system and register adjustment.
15. (a) With diagram, discuss in detail about colour theory and color separation in screen printing. (8)
(or)
(b) Explain the health and safety issues to be followed in screen printing industry.

Part - C (1 x 15 = 15 marks)

16. About 1500 copies of invitation have to be printed for your department symposium. Explain the steps to be followed starting from design consideration to screen printing.