



B.TECH.

THEORY EXAMINATION (SEM-VIII) 2016-17

TECHNOLOGY OF PRINTING-II

Time : 3 Hours

Max. Marks : 100

Note : Be precise in your answer. In case of numerical problem assume data wherever not provided.

SECTION-A

1 Explain the following:

(10×2=20)

- What is the role of binder in pigment printing?
- What is the purpose of drying & washing-offs treatment?
- Define steaming process.
- Define ageing.
- What are discharging agents?
- What is fixation process in printing?
- What is digital printing & what are its components?
- Define Curing.
- Define resist style of printing?
- What is sublimation transfer printing?

SECTION-B

2. Attempt any five of the following:

(10×5=50)

- How do you print Polyester/cellulosic blended fabric with disperse/reactive system. Discuss in detail.
- Describe discharge and resist style of printing with azoic colors.
- Describe flock printing along with neat sketch of machine used.
- Discuss in details the pigment printing process and its mechanism.
- Write a short note on the following:-
 - Damask style
 - Metal Printing
- Discuss in details the Raised & crepon style of printing with suitable recipes.
- Discuss in detail the dye fixation methods of printing with reactive dyes.
- Describe merits and limitations of transfer printing.

SECTION-C

Attempt any two of the following:

(15×2=30)

- Discuss in details the various types of steam used for fixation process. Also discuss in details the various types of steamers used with neat sketch diagrams.
- What is sublimation transfer printing? Discuss in details the mechanism and various methods used for sublimation transfer printing process with neat sketch of machine diagrams.
- Discuss in details the working principle of continuous Ink jet (CIJ) & (DOD) Drop-on-demand (DOD) with a suitable line diagram. Also discuss the advantage & disadvantage of both.

