



- b) Explain different methods of scouring of raw wool. (10)
- Q.2 a) Describe different methods used for removal of gum from silk. (10)
- b) Explain the dyeing of silk with Acid dye. (05)

OR

- Q.2 Explain in detail about dyeing of polyacrylonitrile with cationic dyes. (15)
- Q.3 Write short notes on **any three** of the following (15)
- a) Thermosol method for PET dyeing
- b) CDPET dyeing
- c) Dyeing of wool with metal complex dyes.
- d) Carrier dyeing

### SECTION II

- Q.4 a) Answer the following objective questions. (10)
- i) A printed effect cannot be produced without using a thickener. True or False. Justify.
- ii) Give difference between dyeing and printing?
- iii) ----- style of printing is also known as burn out style of printing.
- iv) Lithographic printing follows which principle?
- v) ----- is the means by which the printing is carried out.
- vi) Direct style of printing is also known as -----.
- vii) Printing can be done with no dye in the paste. True or False. Justify.
- viii) For batik style of printing only cold brand reactive dyes are used. True or false. Justify.
- ix) State difference between Flat bed screen printing and Rotary screen printing.
- x) Crimp style of printing is also known as \_\_\_\_\_.
- b) Describe direct style of printing azoic dyes on cotton. (10)
- Q.5 a) Enlist different direct style of printing solubilised vat dye on cotton. Explain any two in detail. (10)

b) Give advantages and dis-advantages of transfer printing. (05)

**OR**

**Q.5** Enlist different methods of printing. Explain roller printing with neat diagram. (15)

**Q.6** Write short notes on **any three** of the following. (15)

- a) Crepon style
- b) Colour discharge on direct ground
- c) Resist style of printing using reactive dye
- d) Brasso style of printing