

17466

21314

3 Hours / 100 Marks

Seat No.

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- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each next main Question on a new page.
(3) Figures to the right indicate full marks.

Marks

1. Answer any TEN of the following: 20

- a) List the names of any four dyes for dyeing cellulosic fibre.
- b) What are disperse dyes? Give two examples.
- c) Name any four machineries used for dyeing yarns.
- d) Distinguish between fibres and fabrics.
- e) List the various chemicals used in printing.
- f) Draw a neat sketch of roller printing machine.
- g) Write the object of finishing processes.
- h) Define the term mercerisation.
- i) Classify finishing processes.
- j) What is meant by pigment colours? How does it differ from a dye?
- k) List the names of dyes for dyeing synthetic fibre.
- l) What are azoic dyes? Name two fabrics that could be dyed with azoic dyes safely.
- m) Distinguish between resist printing and discharge printing.
- n) What is blend dyeing? Can blend dyeing be done on polyester fabrics?

P.T.O.

- 2. Answer any FOUR of the following:** **16**
- a) Explain any one method of dyeing cellulosic material with vat dyes.
 - b) Explain the working of Jigger Winch with a neat diagram.
 - c) Describe the working of Rotary printing machine with a neat diagram.
 - d) Explain calendering treatment.
 - e) State any four importance of finishing in textiles.
 - f) Explain dyeing of nylon with reactive dyes.
- 3. Answer any FOUR of the following:** **16**
- a) Explain dyeing of acrylics with suitable class of dyes.
 - b) How would you carry out dyeing of cotton with reactive dyes?
 - c) Explain the construction of padding mangle with a neat diagram.
 - d) Explain the working of flat bed printing machine with a neat sketch.
 - e) Explain how flame retardancy of a fabric is achieved.
 - f) Explain the soil release finishing process for cellulosic fabrics.
- 4. Answer any FOUR of the following:** **16**
- a) Explain dyeing of nylon with disperse dyes.
 - b) What is jet dyeing machine? Draw a labelled diagram of jet dyeing machine.
 - c) How would you carry out printing of cellulosic fabrics with pigment colours?
 - d) Describe direct styles of printing.
 - e) Explain optical brightening agent treatment of cotton fabrics. Name two optical brightening agents used.
 - f) Explain the construction of sanforising machine. What is the purpose of using sanforising machine?

5. Answer any FOUR of the following:**16**

- a) Describe the water proofing finishing for synthetic fabrics.
- b) Explain the working of a stenter. State its two importance in finishing process.
- c) Explain printing of cellulosic fabrics with vat dyes.
- d) Explain the construction and working of roller printing machine (diagram not required).
- e) Explain dyeing of cotton fabrics with sulphus dyes.
- f) Explain dyeing of viscose with a suitable class of a dye.

6. Answer any FOUR of the following:**16**

- a) Describe resin finishing of textiles. Name two types of resin system used .
 - b) Describe printing of cellulosic fabric with direct dyes.
 - c) Describe package dyeing.
 - d) Explain the working of padding mangle for dyeing viscose rayon.
 - e) Explain dyeing of polyester with a suitable class of dye.
 - f) Explain dyeing of cellulose material with direct dyes.
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