

Scheme - I

Sample Question Paper

Program Name : Diploma in Textile Manufacturers
Program Code : TX
Semester : Fifth
Course Title : Automatic Weaving
Max. Marks : 70

22581

Time: 3 Hrs.

Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with neat sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

Q.1 Attempt any FIVE of the following.

10 Marks

- a. State the need of dobbies with relevant example.
- b. Distinguish between positive doobby and negative doobby.
- c. State the functions of modulator in rotary doobby.
- d. List the merits of positive doobby.
- e. State the functions of jacquard shedding.
- f. State the concept of casting out in jacquard.
- g. List the functions of box motions.

Q.2 Attempt any Three of the following.

12 Marks

- a. Describe with neat sketch working of mechanical rotary doobby.
- b. State the working of electronic jacquard.
- c. Distinguish between pick at will and pick and pick mechanism of box motion.
- d. Explain the working of center weft fork motion.

Q.3) Attempt any Three of the following.

12 Marks

- a. Describe the working of paper cam doobby with relevant sketch.
- b. Explain the working of cross border jacquard with sketch.
- c. Draw the schematic diagram of pirn changing mechanism and label its parts.
- d. State the importance of warp stop motion.

Q.4) Attempt any Three of the following.

12 Marks

- a. Describe the working of positive dobbie with sketch.
- b. Distinguish between single lift and double lift jacquard.
- c. Draw the schematic diagram of mechanical warp stop motion and explain its working.
- d. Distinguish between side weft fork and center weft fork mechanism.
- e. State the constriction features of semi positive let off mechanism.

Q.5) Attempt any Two of the following.

12 Marks

- a. Draw the schematic diagram of cam dobbie and label its parts.
- b. Describe the heald selection mechanism for paper cam dobbie.
- c. Suggest selection criteria for selecting the cross border jacquard with relevant example.

Q.6) Attempt any Two of the following.

12 Marks

- a. Suggest the pegging method for right hand dobbie to construct the 5 end satin weave fabric.
- b. State the principle of card saving unit and give one example of it.
- c. Prepare the card chain for following weft pattern
 1. 2 pick with red weft
 2. 12 pick with white coloured weft
 3. 4 pick with black coloured weft
 4. 10 pick with brown weft

28 picks per weft pattern

Scheme - I

Sample Test Paper - I

Program Name : Diploma in Textile Manufacturers
Program Code : TX
Semester : Fifth
Course Title : Automatic Weaving
Max. Marks : 20

22581

Time: 1 Hour

Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with neat sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

Q.1 Attempt any FOUR.

08 Marks

- a. State the object of dobbie shedding.
- b. Classify the different dobbie mechanism.
- c. Differentiate between positive dobbie and negative dobbie.
- d. Enlist various components of rotary dobbie.
- e. State the function of modulator in rotary dobbie.
- f. State criteria for selecting the relevant shedding mechanism to produce the fabric.

Q.2 Attempt any THREE.

12 Marks

- a. Describe with neat sketch working mechanical rotary dobbie.
- b. Explain the working of paper cam dobbie.
- c. State the merits and demerits of cam dobbie over the link dobbie.
- d. Explain the need of cross border dobbie with relevant example.
- e. State the working of cross border dobbie with sketch.

Scheme - I

Sample Test Paper - II

Program Name : Diploma in Textile Manufacturers
Program Code : TX
Semester : Fifth
Course Title : Automatic Weaving
Max. Marks : 20

22581

Time: 1 Hour

Instructions:

- (1) All questions are compulsory.
- (2) Illustrate your answers with neat sketches wherever necessary.
- (3) Figures to the right indicate full marks.
- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

Q.1 Attempt any FOUR.

08 Marks

- a. State the concept of jacquard.
- b. Enlist various different box motions used in weaving.
- c. Define pick at will and pick and pick.
- d. State the importance of box motions with example.
- e. State object of cross border jacquard.
- f. Classify the different types of jacquards.

Q.2 Attempt any THREE.

12 Marks

- a. Describe the mechanism of mechanical warp stop motion.
- b. Describe the working of semi positive let off mechanism.
- c. Describe the working of center weft fork mechanism..
- d. Draw the schematic diagram of pirn changing mechanism and label the parts.
- e. Describe criteria for selecting the proper shedding mechanism for weaving the fabrics.