

**Scheme - I**  
**Sample Question Paper**

**Program Name** : Diploma in Textile Manufacturers  
**Program Code** : TX  
**Semester** : Fourth  
**Course Title** : Fabric Structure Design  
**Max. Marks** : 70

22464

**Times: 3 Hrs.**

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**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) Define the term weave.
- b) Draw the design 5 end satin weave.
- c) State the concept of broken twill.
- d) Write the types of basic twill.
- e) State the concept of satin weave
- f) State the concept of colour and weave effect.
- g) Write any four types of fancy weave.

**Q.2 Attempt any Three of the following.**

**12 Marks**

- a) Define draft and lifting plan.
- b) Explain the rule of development irregular satin weave with relevant example.
- c) Draw the design of plain weave and show cross sectional view.
- d) Write the characteristic features of plain weave.

**Q.3) Attempt any Three of the following.**

**12 Marks**

- a) Write the methods of forming rib and cord effects in plain weave.
- b) Draw the design of warp rib weave on 2 x 8  
Show two repeats and draw draft and lifting plan.
- c) Draw the design of regular mat weave. Show two repeats.
- d) Write the concept of weft faced twill.

**Q.4) Attempt any Three of the following.**

**12 Marks**

- a) Draw the design of 4up, 2dn, 1up, 1dn twill and name the type.
- b) Draw the design of combination of twills.
- c) Write the characteristic features of satin\sateen.
- d) Draw the design of 8 end regular satin.
- e) Draw the design of 6 end irregular sateen.

**Q.5 Attempt any TWO.**

**12 Marks**

- a) Compare satin and sateen woven fabric.
- b) Draw the continuous line effect.
- c) Write the method of representation of colour and weave effect on point paper.

**Q.6 Attempt any TWO.**

**12 Marks**

- a) Distinguish between ordinary honeycomb weave and Brighton honeycomb weave.
- b) Develop the design of Mock leno structure on 8X8. Show draft and lifting plan.
- c) Construct the design of crepe view upon 8 end sateen base.

**Scheme - I**  
**Sample Test Paper - I**

**Program Name** : Diploma in Textile Manufacturers  
**Program Code** : TX  
**Semester** : Fourth  
**Course Title** : Fabric Structure Design  
**Max. Marks** : 20

22464

**Times: 1 Hour**

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**Instructions:**

- (1) All questions are compulsory.
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- (4) Assume suitable data if necessary.
- (5) Preferably, write the answers in sequential order.

**Q.1 Attempt any FOUR.**

**08 Marks**

- a) Define the term denting order.
- b) State the meaning of draft.
- c) Draw the design of plain view on 8X8 .
- d) Write the classification of twill weave.
- e) Draw the design of 5 end satin.
- f) Write the characteristic features of plain view.

**Q.2 Attempt any THREE.**

**12 Marks**

- a) Draw the design of weft rib structure.
- b) Distinguish between warp rib and weft rib structures.
- c) Draw the design of pointed twill on 5 heald shaft plan.
- d) State the concept of transposed twill.

**Scheme - I**  
**Sample Test Paper - II**

**Program Name** : Diploma in Textile Manufacturers  
**Program Code** : TX  
**Semester** : Fourth  
**Course Title** : Fabric Structure Design  
**Max. Marks** : 20

22464

**Times: 1 Hour**

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**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) Write the types of derivatives of twill weave.
- b) Classify basic twills.
- c) Write the characteristic features of twill weave.
- d) State the concept of colour and weave effect.
- e) Enlist simple colour and weave effect.
- f) Write the types of fancy structure.

**Q.2 Attempt any THREE.**

**12 Marks**

- a) Show the vertical hair line effect on point paper.
- b) Draw the step pattern effect on point paper.
- c) Develop the ordinary honeycomb design on 5 heald shafts.
- d) Develop the crepe structure upon 8 end sateen base.