TED (15) – 4061 Reg. No. .....

(REVISION — 2015) Signature .....

DIPLOMA EXAMINATION IN ENGINEERING/TECHNOLOGY/ MANAGEMENT/COMMERCIAL PRACTICE — APRIL, 2018

FABRIC FORMATION - II

[*Time* : 3 hours

(Maximum marks : 100)

PART — A

(Maximum marks : 10)

Marks

I Answer *all* questions in one or two sentences. Each question carries 2 marks.

1. State two objects of secondary motions.
2. List the types of warp stop motion.
3. Mention two features of left hand dobby.
4. Define first hook of the jacquard.
5. Name any two textile CAD software.

(5×2 = 10)

PART — B

(Maximum marks : 30)

II Answer any *five* of the following questions. Each question carries 6 marks.

1. Describe the classification of take up motion.
2. Compare the types of warp protecting motion.
3. Illustrate the method of pegging lags for RH dobby with example.
4. State the function and working of heald levelling device on climax dobby.
5. Discuss the basic principle of jacquard shedding.
6. Describe the method of card lacing.
7. State the method of creation of draft and lifting plan from design using software.

(5×6 = 30)

Marks

PART — C

(Maximum marks : 60)

(Answer *one* full question from each unit. Each full question carries 15 marks.)

UNIT — I

III (a) Explain the working of negative let - off motion with a sketch. 10

(b) State the timing of side weft fork motion. 5

OR

IV (a) Describe the working of fast reed mechanism with the help of sketch. 10

(b) List and mention the number of teeth in the wheels in seven wheel take up motion. 5

UNIT — II

V (a) Sketch and describe the working of Keighley dobby. 10

(b) Mention the features of cross border dobby. 5

OR

VI (a) Explain the working of Ruti cam dobby with a sketch. 10

(b) State the advantage of double jack dobby over single jack dobby. 5

UNIT — III

VII (a) Describe the working of double lift single cylinder jacquard with the help of sketch. 10

(b) Mention the features of pointed tie. 5

OR

VIII (a) Sketch and describe the working of Piano card cutting machine. 10

(b) Discuss the features and use of Norwich system of harness mounting. 5

UNIT — IV

IX (a) State the stepwise commands to produce Stripped design. 10

(b) State the process of fabric simulation. 5

OR

X (a) Write the step and step command to produce dobby design. 10

(b) State the uses of CATD. 5