

Code No: 155GN**JAWAHARLAL NEHRU TECHNOLOGICAL UNIVERSITY HYDERABAD****B. Tech III Year I Semester Examinations, March - 2024****FABRIC MANUFACTURE - II****(Textile Engineering)****Time: 3 Hours****Max. Marks: 75****Note:** i) Question paper consists of Part A, Part B.

ii) Part A is compulsory, which carries 25 marks. In Part A, Answer all questions.

iii) In Part B, Answer any one question from each unit. Each question carries 10 marks and may have a, b as sub questions.

PART – A**(25 Marks)**

- 1.a) How do you select loom temples ? [2]
- b) What is Stop rod? Explain its role. [3]
- c) How keighly dobbie differs from Climax dobbie? [2]
- d) What is the function of Star wheel in dobbie? [3]
- e) How nominal capacity differs from actual size in jacquard? [2]
- f) Mention the material of construction of Battern and Lattern in Jacquard. [3]
- g) How row casting differs from colomn casting? [2]
- h) What is Bannister t harness? How figuring capacity is increased here? [3]
- i) Why only 7 colours are controlled by a Box motions? [2]
- j) Mention the function of Shuttle Protector. [3]

PART – B**(50 Marks)**

2. Explain the working of electromechanical warp stop motion. [10]
- OR**
3. Explain the working of TOYODA let off motion. [10]
4. Discuss the working of 2 Cylinder Dobbie. [10]
- OR**
5. How the Climax Dobbie works? Explain with a sketch. [10]
6. Given 600 Hook Jacquard. Explain the shed formation in DLDC Jacquard. [10]
- OR**
7. With a neat sketch, explain the working of SLDC Jacquard. [10]
8. Discuss the working of Card repeaters. Giving a neat sketch explain clearly. [10]
- OR**
9. Discuss the possible ways of arranging figures in a fabric. [10]
10. How a Pick at will motion works? Explain with a sketch. [10]
- OR**
11. Giving the sketch, explain the Automatic Bobbin changing mechanism. [10]