

Model Question Paper-1/2 with effect from 2022-23 (CBCS Scheme)

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Fourth Semester B.E. Degree Examination Weaving Technology -II

TIME: 03 Hours

Max. Marks: 100

Note: 01. Answer any **FIVE** full questions, choosing at least **ONE** question from each **MODULE**.

| Module -1 | | | *Bloom's Taxonomy Level | Marks |
|-----------------|---|---|-------------------------------|-------|
| Q.01 | a | State the objectives of let off motion. How the let off motion is useful in producing uniform PPI in the cloth. List the advantages and disadvantages of let off motion. | L2 | 10 |
| | b | Explain with the help of a sketch the working of seven-wheel take-up motion and list the advantages. | L2 | 10 |
| OR | | | | |
| Q.02 | a | Explain how the uniform tension is maintained using positive let off motion with the help of a sketch. Explain working of Bart let-off mechanism with the help of sketch. | L2 | 10 |
| | b | Give the comparisons between five wheel and seven-wheel take-up motion. How anti crack motion is useful in avoiding the cracks in the fabric. Explain with the help of sketch the working of anti-crack motion. | L2 | 10 |
| Module-2 | | | | |
| Q. 03 | a | How auxiliary motions are useful in producing good quality fabric and improved production. Explain state the objects, necessity and different types of auxiliary motions. | L2 | 10 |
| | b | Explain with the help of sketch the working of electrical warp stop motion. | L2 | 10 |
| OR | | | | |
| Q.04 | a | Discuss the importance of temples. List the different types of temples and their suitability. | L2 | 10 |
| | b | Give the importance of weft stop motion. Explain with the help of a sketch the working of side weft fork motion. State its limitations. | L2 | 10 |
| Module-3 | | | | |
| Q. 05 | a | What is patterning? explain with the help of sketch the working of 2x1 weft mixing motion. | L3 | 10 |
| | b | Give the advantages of cam dobbie. Explain with the help of a sketch the working of cam dobbie. | L2 | 10 |
| OR | | | | |
| Q. 06 | a | What are auto looms? How their advantages. Explain with the help of a sketch the working of automatic cop changing mechanism. | L2 | 10 |
| | b | Select a suitable design for toweling fabric and give a design, draft, peg plan and lattice preparation for left hand dobbie. | L2 | 10 |
| Module-4 | | | | |
| Q. 07 | a | Give the principle of jacquard mechanism with the help of a sketch explain the working of cross border jacquard. | L2 | 10 |
| | b | Give the causes and remedies for the following fabric defects. 1) Temple marks 2) Count 3) Reediness 4) Thick and Thin places | L1 | 10 |
| OR | | | | |
| Q. 08 | a | Give the classification of shuttle less looms. List the salient features of projectile loom. | L1 | 10 |
| | b | Explain with the help of a sketch cross tie and center tie up of harness mounting on jacquard machine. | L2 | 10 |

| Module-5 | | | | |
|-----------------|---|--|----|----|
| Q. 09 | a | Give the classification of rapier loom. Explain with the help of a sketch the weft insertion stages in dewas of rapier loom. | L2 | 10 |
| | b | Discuss the systems of jet weaving. Explain the air quality and quantity requirements for air jet looms. | L2 | 10 |
| OR | | | | |
| Q. 10 | a | Explain the weft insertion stages in water jet looms with the help of a sketch. | L2 | 10 |
| | b | Give the salient features of rapier looms. Why flexible rapiers are advantageous? | L1 | 10 |