

Note: Answer any Five full questions

1. a) Explain the merits and demerits of negative tappet shedding.
b) Sketch and explain the working of positive cam shedding.
c) Write the timing diagram of a tappet loom and state the importance of early and late shedding.
2. a) Compare and contrast cone over and under pick motions.
b) Explain the principle of operation of parallel picking mechanism with sketch.
c) In cone over pick mechanism write the technique of increasing and decreasing the strength of picking at different places.
3. a) Define eccentricity of sley. State the various factors affecting sley eccentricity.
b) Derive an expression for sley eccentricity.
c) Mention the causes and remedial measures for the following :
i) Smash ii) Gout
iii) Wrong healding in dhooti bonderiv) Shuttle box mark
4. a) What are cracks. How the cracks can be presented explain.
b) Explain with the help of neat sketch explain the working of 7-wheel intermittent take up mechanism.
c) State the advantages of positive let-off motion.
5. a) State the importance of warp protector motion. Explain with the help of sketch any one warp protector motion.
10- b) With the help of neat sketch explain the working of mechanical warp stop motion.
6. a) Classify the different types of box motions. -08- b) Sketch and explain the warp easing motion
c) Explain the working principle of side weft fork motion.
7. a) When do you call a loom as automatic? Explain the significance and functions of each attachment.
b) Explain the working of photoelectric weft feller.
c) Sketch and explain weft cutters.
8. a) Write short note on the following : i) Reasons for shuttle flight ii) Loom brake iii) Crepe loom iv) Filament weaving.