

- c) TPM d) None
- Q.6 Universal yarn numbering system is _____
- a) Denier b) Metric
- c) Tex d) None
- Q.7 The length of yarn wound on weaver's beam is known as
- a) Tape length b) Beam length
- c) Yarn length d) None
- Q.8 Number of ends per inch in a given fabric sample is
- a) EPC b) EPM
- c) EPI d) None
- Q.9 $TM = \frac{\text{_____}}{\sqrt{\text{Count}}}$
- a) TPI b) EPI
- c) PPI d) None
- Q.10 Loom is a machine used for _____
- a) Knitting b) Weaving
- c) Both a & b d) None

SECTION-B

Note: Objective type questions. All questions are compulsory. (10x1=10)

- Q.11 _____ is a direct yarn numbering system
- Q.12 Define English count.
- Q.13 If two yarn of 30 tex are doubled, what is resultant count of yarn.
- Q.14 How to calculate production of a warping machine.

- Q.15 Define reed count.
- Q.16 What is a S-twist?
- Q.17 What is the significance of TM?
- Q.18 Give the formula to calculate weight of weft in fabric.
- Q.19 Give the formula to calculate yarn diameter.
- Q.20 Give the relation to calculate Crimp%.

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions. (12x5=60)

- Q.21 Calculate the dividend of 7-wheel take up motion.
- Q.22 How to calculate warp cover factor?
- Q.23 Mention the dividend of a 5-wheel take-up motion.
- Q.24 Convert 10 tex into Ne and Denier.
- Q.25 What is the function of take-up motion on a loom?
- Q.26 Draw a neat & clean diagram of 5-wheel take up motion.
- Q.27 Derive a relation between metric and english count.
- Q.28 Discuss different system of yarn numbering with giving example of each system.
- Q.29 If two yarn of 30 tex are doubled, what is resultant count of yarn.
- Q.30 Derive a relation between TM and tex twist.
- Q.31 Calculate the yarn diameter in 'inches' and 'mm' for a 16 tex yarn.