

MAJOR TEST
TXL 321 MULTI-FIBRE SPINNING
Full Marks : 55

Date: 23.11.2017

ANSWER ALL QUESTIONS

- Q1. What are the different types of blending irregularity? What can be done to reduce long term blend variation in yarn? Explain your answer. 1+4= 5
- Q.2 (i) Identify three textile products that use blended yarn .
(ii) Justify why the constituent fibres are suitable for the products identified. 1+4+ 4=9
(iii) For blend compatibility between fibres which factors are important and why?
- Q.3 What precautions one should take to avoid cylinder choking while processing polyester fibre on card? Give reasons. 6
- Q.4. Explain the working principle of worker, stripper and tin cylinder of breaker card used for jute fibres 7
bring fiber back to cylinder, carding
- Q.5 Blending stages of shrinkable and non-shrinkable acrylic fibre during spinning process decide the bulking behavior of yarn. Justify. 7
- Q.6 Explain the influence of dyed fibre on rotor deposition, running performance and yarn quality. (7) 7
- Q.7 What are the factors influencing the apron slippages on roller drafting system. Explain. 7
- Q.8 Explain the influence of fibre length, fibre denier and fibre blend ratio on formation of neps during spinning process. 7