Week 4 Assignment

The due date for submitting this assignment has passed. As per our records you have not submitted this assignment.

Due on 2019-02-27, 23:59 IST.

1) For same yarn linear density, if finer fibers are used then

- Yarn will have higher number of fibers in cross section
- Yarn will have higher evenness
- Yarn will have lower strength
- Yarn will have lower number of fibers in cross section

No, the answer is incorrect.
Score: 0
Accepted Answers:
Yarn will have higher number of fibers in cross section
Yarn will have higher evenness

2) Torsional rigidity is lower for coarser fibers as compared to finer fibers

- True
- False

No, the answer is incorrect.
Score: 0
Accepted Answers:
False

3) Mass/Unit length is inversely proportional to cross sectional area of fiber

- True
- False

No, the answer is incorrect.
Score: 0
Accepted Answers:
False
5) Nep generation in cotton fiber is due to  
   - Immature fiber  
   - Mature fiber  
   - Normal fiber  
   - Overmatured fibers  
   No, the answer is incorrect.  
   Score: 0  
   Accepted Answers:  
   * Increase in thickness of secondary wall

6) Immature cotton fiber leads to  
   - Lower neppiness  
   - Higher neppiness  
   - Lighter shade dyeing  
   - Darker shade dyeing  
   No, the answer is incorrect.  
   Score: 0  
   Accepted Answers:  
   * Higher neppiness  
   * Lighter shade dyeing

7) Optimum value of degree of thickening for cotton is  
   - 0.8 to 0.9  
   - 0.1 to 0.2  
   - 0.3 to 0.5  
   - 0.4 to 0.6  
   No, the answer is incorrect.  
   Score: 0  
   Accepted Answers:  
   * 0.8 to 0.9

8) Dead cotton fibers are those in which  
   - Secondary wall thickness is less than 1/5th of apparent lumen width  
   - Primary wall thickness is less than 1/5th of apparent lumen width  
   - They are de-convoluted and rod like  
   - Secondary wall thickness is significantly higher  
   No, the answer is incorrect.  
   Score: 0  
   Accepted Answers:  
   * Secondary wall thickness is less than 1/5th of apparent lumen width

9) On examination of 200 cotton fibers, 130 normal, 50 semimature and 20 dead fibres are observed. Maturity ratio of this cotton is

Score: 0  
Accepted Answers:  
* 0.65
What will be the decitex of polyester fibre of diameter 10 micrometer? Consider the density of polyester is 1.38g/cc

No, the answer is incorrect.
Score: 0
Accepted Answers: 0.975

1.08
2.08
3.08
4.08

No, the answer is incorrect.
Score: 0
Accepted Answers: 1.08