Textile Testing
Quiz - 4

1) The property most related to the thermal insulation of a blanket is

    A. tensile resilence
    B. compression resilience
    C. thickness
    D. surface friction

2) In the context of flat fabric abrasion resistance, choose the correct statement.

    A. Abrasion resistance of fabric increases with increase in yam twist continuously
    B. There is no optimum fabric set for best abrasion resistance
    C. The pressure between abradant and sample can alter the ranking of a set of fabric for a particular abradant
    D. Yams made from long and short fibres do not make any difference in abrasion resistance of the corresponding fabrics

3) With an increase in the friction between the yarns, the tear strength of a fabric will

    A. increases
    B. decreases
    C. not change
    D. show no trend

4) The tear resistance of woven fabric increases with (P) Increase in yarn to yarn friction (B) Increase in yarn strength (R) increase in thread spacing (S) Increase in float length

Choose the correct combinations from amongst the alternatives A, B, C and D.

(A) P, Q, R
(B) Q, R, S
(C) P, R, S
(D) P, Q, S

5) When twist is increased in a spun yarn, its strength

    A. increases
    B. decreases
    C. does not change
    D. First increases and then decreases

6) In a tensile test, if the strain rate is increased, the apparent tensile strength of a ring spun yarn will

    A. increases
    B. decreases
    C. not change
    D. show no trend

7)The ratio of fabric strength per thread and single thread strength is always

    A. Greater than unity
    B. Less than unity
    C. Equal to unity
    D. None of the above

8) In a spinning mill, fibre bundle strength is preferred over single fibre strength, Because

    A. Bundle strength test is easy and quick
    B. It gives less variation
    C. It has better correlation with yarn strength
    D. It gives benefit of all above three

9) Imperfections are sum total of

    A. Thick places and thin place
    B. All Classimat faults
    C. Thick places and neps
    D. Thick places, thin places and neps

10) Fibre diameter varies

    A. inversely with square root of density
    B. inversely with density
    C. directly with square root of density
    D. directly with density

11) If d is the diameter, the rate of air flow through a fiber plug during fiber fineness measurement will be propositional to

A) d
B) d^2
C) d^4
D) $1/d^2$