# K.S. Rangasamy College of Technology, Tiruchengode-637 215 GATE Type Questions

#### **Course Name: Fabric Manufacturing Technology**

#### 1. The magazine creel is employed for

- 1. Long run of the same warp
- 2. Quick change over from one warp to another
- 3. Saving space
- 4. Saving energy

#### 2. Single – end sizing involves

- 1. Sizing of yarn sheet drawn from one beam only
- 2. Sizing of only one yarn at a time
- 3. Sizing of yarn sheet with very low yarn density
- 4. Sizing with very low concentration of liquor

#### 3. Angle of wind in a cross wound package is in the range of

- 1.5°-10°
- 2. 15°-20°
- 3. 30°-50°
- $4.70^{\circ}-90^{\circ}$

#### 4. High pressure squeezing in conjunction with high size concentration is aimed at

- 1. Increasing the dry pick up
- 2. Laying the hairs more closely to the body of the yarn
- 3. Lowering energy consumption
- 4. Improving the yarn strength

#### 5. Length of yarn in a bunch on a pirn of automatic loom approximately equals,

- 1. Half the reed width
- 2. The reed width
- 3. Twice the reed width
- 4. Four times the reed width

#### 6. The rate of production of a modern warping machine is

- 1. 400 m/min
- 2. 1000m/min
- 3. 2000m/min
- 4. 5000m/min

## 7. The temperature range of during cylinders of a multi-cylinder machine, sizing cotton yarn is

- 1.75°-80°
- 2.140°-150°
- 3. 180°-200°
- 4. 200°-250°

#### 8. Imperfections are sum total of

- 1. Thick places and thin place
- 2. All classimate faults
- 3. Thick places and neps
- 4. Thick place, thin places and neps

#### 9. Temples on a loom

- 1. Reduce strain on selvedge threads
- 2. Assist fabric take –up
- 3. Control shuttle flight path

#### 10. A cones is

- 1. Parallel wound
- 2. Cross wound
- 3. Near parallel wound

#### 11. A pirn is

- 1. Parallel wound
- 2. Near parallel wound
- 3. Cross wound

#### 12. A weaver's beam is

- 1. Parallel wound
- 2. Cross wound
- 3. Near parallel wound

### 13. Sectional warping is considered more practical than beam warping

- 1. For executing large orders
- 2. For small lots
- 3. For spun yarns
- 4. When sizing is considered necessary

## 14. in pirn winding, increase in traverse length

- 1. Increases yarn content on bobbin
- 2. Increases sloughing during weaving
- 3. Decreases sloughing during weaving
- 4. Decreases sloughing during weaving

## 15. Fabric cover on a loom is improved by

- 1. Raising the back rest
- 2. Late shedding
- 3. Late picking
- 4. Early shedding