3rd Sem / Textile Processing

Subject : Textile Physical Testing

Time : 3 Hrs.   M.M. : 60

SECTION-A

Note: Multiple choice questions. All questions are compulsory   (6x1=6)

Q.1   LOI means?

a)   Layer of information

b)   Limiting oxygen index

c)   Lighting other index

d)   Low on index

Q.2   Dry & wet bulb thermometer are used to find out?

a)   Twist   b)   GSM

c)   Relative humidity   d)   Strength

Q.3   Full form of GSM is

a)   Grams per square meter

b)   Grams per second meter

c)   Grains per square meter

d)   Global space meter

Q.4 CRE in strength testing is?

a) Constant rate of error

b) Constant rate of extension

c) Condition rate of error

d) Constant rise of error

Q.5 _____ cotton count yarn has smallest diameter among the following?

a) 2   b) 10

c) 15   d) 20

Q.6 There are_____popular systems of yarn numbering?

a) 20   b) 23

c) 43   d) 2

SECTION-B

Note: Objective/ Completion type questions. All questions are compulsory.   (6x1=6)

Q.7 Crimp is measured on_____ instrument?

Q.8 Give two examples of direct yarn numbering system.

Q.9 What is the moisture regain of nylon 6?

Q.10 How many type of twists are there in a yarn?

Q.11 The measure of spiral turns given to yarn in order to hold the fibres together is called?

Q.12 Write full form of PPI?

SECTION-C

Note: Short answer type questions. Attempt any eight questions out of ten questions.   (8x4=32)

Q.13 Discuss process of determination of relative humidity?

Q.14 Differentiate moisture content from moisture regain?

Q.15 Discuss about beesleys balance?

Q.16 Write any four objectives of textile testing?

Q.17 Describe process of measuring twist is for spun yarn?

Q.18 What is pilling? Write process to test pilling?

Q.19 How air permeability is measured explain?

Q.20 Write a note on crease recovery tester?

Q.21 Describe process of measuring crimp of yarn in a fabric?

Q.22 Write a note on measurement of thickness of fabric?

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions.   (2x8=16)

Q.23 Name different yarn numbering systems with examples. Write process of determining count using beesleys balance?

Q.24 Explain in detail about process of measuring moisture content using conditioning oven?

Q.25 Discuss the method of measurement of twist in ply yarn with the help of neat diagram?