

Bachelor in Design (B.Des) Examination, 2015
Specialization in Textile & Clothing
Semester - VI
Paper - TC-VI/03
(Material & Process-II)

Time : Three Hours

Full Marks : 40

Questions are of value as indicated in the margin.

Question No.1 is compulsory and attempt **any three (3)** from the rest

1. A. Fill up the blanks with appropriate word (**any six**) : 6
- (a) ____ is an example of regenerated cellulosic fibre.
 - (b) A synthetic fibre which is used as a substitute of wool is ____.
 - (c) ____ fibre is manufactured by wet spinning process.
 - (d) Co-polymer is used in case of ____ fibre.
 - (e) The lightest fibre among polyester, viscose Nylon & Acrylic is ____.
 - (f) In ____ fibre amount of amorphous region is higher than crystalline region.
 - (g) Nylon fibre can not be blended with ____ fibre.
- B. Name the repeating units of PET polyester, Acrylic, Nylon 6-6 & viscose. 4
2. Write down the Physical and chemical properties of PET Polyester or Acrylic fibre. 10
3. (a) Match the following :- 5
- | | |
|---------------|-----------------------|
| Nylon | Handloom Saree border |
| Acrylic | Swimming costumes |
| Viscose | Wind cheater |
| Polyester | Synthetic tape |
| Polypropylene | Pillow |
- (b) Write down the different steps of viscose preparation. 5
4. (a) Name four (4) popular fancy yarns and their principles of manufacturing. 5
- (b) How the fancy yarns differ from normal regular yarn? 5
5. (a) What are the different yarn packages used in textiles? 5
- (b) Why do the handloom weavers prefer yarn in bundle form? 5
6. (a) A bobbim of 20s yarn has a weight (net) of 1 kg, what will be the length of that yarn? 6
- (b) What will be the count of that yarn in tex system? 4
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