

**B.Sc. I Semester Degree Examination, March/April - 2023****GARMENT MANUFACTURING TECHNOLOGY****Paper No. - 01 : Textile Fibers and Yarns****(NEP)**

Time : 2 Hours

Maximum Marks : 60

Note : Answer to **all** sections.**SECTION - A**

1. Answer the following sub-questions. Each sub-question carries **one** mark. **10x1=10**
- What is Textile ?
 - Define Spinning.
 - Which fibre is known as king of textiles ?
 - Define fancy yarns.
 - What is blending ?
 - Which is the end product of blow room ?
 - Write any two essential properties of textile fibers.
 - Write the types of twist.
 - What is blending ?
 - What is count ?

SECTION - BAnswer **any four** questions. Each question carries **five** marks.**4x5=20**

- Write a note on introduction to textile fibers.
- With a neat sketch explain the process of MBO (Mixing Bale Opener).
- Write in detail about any two textile fibers.
- Write a note on :
 - Linear density
 - Twist in yarn
- Explain the working of ring frame with neat sketch.
- Write a note on sewing thread manufacturing.



SECTION - C

Answer **any three** questions. Each question carries **ten** marks.

3x10=30

8. Explain the working of carding machine with parts.
9. Which are the essential and desirable properties of textile fibers explain in depth ?
10. Briefly describe the flow chart for Textile fibers classification in detail.
11. What is yarn count ? Explain the types of yarn numbering system in detail.
12. Write a note on :
 - (a) Size of yarn
 - (b) Twist in yarn

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