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B.Sc. (GMT) I Semester (NEP) Degree Examination, March/April - 2022

GARMENT MANUFACTURING TECHNOLOGY

Paper No. 02 (Model - B) - Textile Fibers and Yarns

Time : 3 Hours

Maximum Marks : 60

Instruction : Answer **all** the Sections.

SECTION - A

1. Answer the following sub-questions. Each sub-questions carries **one** mark. **10x1=10**
- What is a filament fibre ?
 - What is constant in Direct system of numbering ?
 - What is feeding material for carding ?
 - Which is first machine of the spinning ?
 - What is Linear density ?
 - Write any two essential properties of textile fibre.
 - Give an example for mineral fibre.
 - Sewing threads can be numbered in which system ?
 - What are the objects of draw frame ?
 - What is a textile fibre ?

SECTION - B

Answer **any four** questions. Each question carries **five** marks.

4x5=20

- Write a note on cotton and wool fibers.
- Explain the working of comber with a neat sketch.
- Explain the working of step cleaner with a neat sketch.
- Draw the microscopic appearance of any five textile fibers.
- Write a note on draw frame and Mixing Bole opener.
- Which are the cellulosic, protein and manmade fibers ?



P.T.O.

SECTION - C

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

3x10=30

8. Explain the machineries of spinning with their feeding and end products.
9. Classify the textile fibers in detail.
10. Define Carding with its working mechanism and diagram.
11. Which are the simple and fancy yarns explain.
12. Write a short on :
 - (a) Doubling and Blending
 - (b) Roving frame
 - (c) Step cleaner

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