

**21BSC2C4GML****B.Sc. (GMT) II Semester (NEP) Degree Examination,
September/October - 2022****GARMENT MANUFACTURING TECHNOLOGY****1 : Fabric Formation and Structure**

Time : 3 Hours

Maximum Marks : 60

Instruction : Answer to **all** Sections.

SECTION - AAnswer the following Sub-questions. Each sub-question carries **one** mark. **10x1=10**

1. (a) Interlacement of warp and weft is also known as what ?
- (b) What is Sizing ?
- (c) What is Winding ?
- (d) In a woven fabric vertical threads are called what ?
- (e) What is Knitted fabric ?
- (f) What is Shedding motion ?
- (g) What is weft stop motion ?
- (h) Which are the derivatives of plain weave ?
- (i) What is Non-woven fabric ?
- (j) Which are derivatives of decorative weaves ?

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

2. Give an brief introduction to fabric formation and structure.
3. Which are the primary motions of loom ? Explain in detail.
4. Explain any 2 methods of Non-woven production techniques.
5. What is a Weave ? Write two practical methods of Weave representation.
6. Explain any Two Decorative Weaves in detail with graphical representation.
7. Explain the working of Jacquard shedding with neat sketch.

**P.T.O.**

SECTION - C

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

3x10=30

8. With a neat sketch explain the passage of material through ordinary loom.
9. Explain the preparatory process weaving in detail with a flow chart.
10. Explain the working of water jet looms with a neat diagram.
11. Explain the plain weave with their derivatives in depth.
12. Compare the shuttle looms with shuttlers looms.

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