

[illegible]

Total No. of Questions : 07

Subject Code : B.Sc. FDK-103

M.Code : 72273

Max. Marks : 60

1. **SECTION-A is COMPULSORY** consisting of **FIFTEEN** questions carrying **TWO** marks each.
2. **SECTION-B** contains **SIX** questions carrying **TEN** marks each and students have to attempt any **THREE** questions.

SECTION-A

1. Define :

- a) Natural fibres
- b) Man-made fibres
- c) Tex
- d) Denier
- e) GSM
- f) Yarn fineness
- g) Resiliency
- h) Non-woven
- i) Felt
- j) Tuft
- k) Satin weave

- l) TPI
- m) Direct Count
- n) Bias
- o) Pilling

SECTION-B

2. Draw the flowchart showing the classification of fibres. Discuss in detail the classification of natural fibres.
3. Draw a flowchart of the different departments of a textile industry. Explain the major production segments of the textile industry.
4. Describe the production process, properties and end uses of Nylon-6 and Nylon-66?
5. Discuss in detail, the different types of yarn spinning processes.
6. Describe the parts of the loom. Describe the process of fabric formation on the loom.
7. Describe the manufacturing process of the following :
 - a) Bonded
 - b) Felted

NOTE : Disclosure of identity by writing mobile number or making passing request on any page of Answer sheet will lead to UMC against the Student.