

Reg. No.

--	--	--	--	--	--	--	--	--	--



BDFDC 257

Credit Based IV Semester B.Sc. (FD) Examination, September 2022
FABRIC TESTING AND INSPECTION

Time : 3 Hours

Max. Marks : 120

PART – A

- I. Answer **any 3** of the following : **(3×15=45)**
- 1) a) Define Testing. **3**
b) In detail explain the object of testing. **12**
 - 2) a) Define fabric stiffness. **3**
b) With the help of neat sketch, explain Shirley stiffness tester. **12**
 - 3) Define the following : **15**
 - i) Load.
 - ii) Elongation.
 - iii) Tensile strength.
 - iv) Strain.
 - v) Extension at break.
 - 4) a) Define Inspection. **3**
b) Explain in detail fabric inspection method. **12**

PART – B

- II. Answer **any five** of the following : **(5×9=45)**
- 5) Define Pilling. Explain ICI pilling box tester.
 - 6) What drape ? Explain drape meter.
 - 7) Discuss briefly raw material inspection carried out in an apparel industry.
 - 8) Explain the following :
 - i) Edge abrasion.
 - ii) Flat abrasion.
 - iii) Serviceability.

P.T.O.



- 9) With neat sketch explain drop penetration test.
- 10) Define air permeability. Explain Shirley air permeability tester with neat sketch.
- 11) Define ISO ? Explain briefly ISO standard of interest for a garment industry.

PART – C

III. Write short note on **any 5** of the following :

(6×5=30)

- a) Fabric sampling method.
 - b) Yarn crimp.
 - c) How much to inspect ?
 - d) Thickness tester.
 - e) In-process inspection.
 - f) Colour fastness to crocking.
 - g) CRE, CRL principle.
-