

AU-1131

M.Sc. (Home Science) (Textile and Clothing) Semester-I Examination
114AT45 : ADVANCED TEXTILE DESIGN

Time : Three Hours]

[Maximum Marks : 60

Note : --(1) All questions are compulsory.

(2) All questions carry equal marks.

1. (A) Match the columns :

1.1 Peg plan	(a) both sides are reversible	1
1.2 Basket	(b) strongest weave	1
1.3 Selvedge	(c) denotes the order of lifting the heald shaft	1
1.4 Plain weave	(d) derivative of plain weave	1
1.5 Satin weave	(e) lengthwise edge of fabric	1
1.6 Twill weave	(f) excellent drapability	1

(B) Write on :

1.7 Classification of woven structure.	2
1.8 Methods of weave representation.	2
1.9 Types of selvages.	2

2. Answer any **one** :

- 2.1. Explain the term knitting. Write about the components required for machine knitting. 12
- 2.2 Which are the two basic types of knitting machines used for fabric construction ? 12

3. (A) Give suitable examples of the nonwovens used for the following applications :
 - 3.1 For medical use. 2
 - 3.2 For hygiene. 2
 - 3.3 In geotextiles. 2
- (B) Write the meaning and use of the following non-wovens :
 - 3.4 Films 2
 - 3.5 Foams 2
 - 3.6 Leather 2
4. Answer any **one** :
 - 4.1 What are the different sources of inspiration which provide direction to the designer. 12
 - 4.2 What are the tools and equipments used for sketching and designing ? Write about its appropriate use. 12
5. Explain the way of reproducing design by the following methods :
 - 5.1 Enlarging by means of square. 2
 - 5.2 Computer aided designing. 2
 - 5.3 Making a photostatic copy. 2
 - 5.4 Reducing by means of square. 2
 - 5.5 Colour harmonies. 2
 - 5.6 Twill weave. 2