

NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY

DEPARTMENT OF TEXTILE TECHNOLOGY

END OF SECOND SEMESTER EXAMINATIONS - AUGUST 2009

TXT- 1208 WEAVING TECHNOLOGY I

TIME: 3 HOURS

INSTRUCTIONS

Answer **ALL** Questions in Section A and **ANY TWO** in Section B. Each section carries **50 marks**

SECTION A

QUESTION 1

What is the function of a loom? (2)

QUESTION 2

Explain how each of the primary motions in weaving is produced? (9)

QUESTION 3

Explain the Diagram in Figure 1 below. (8)

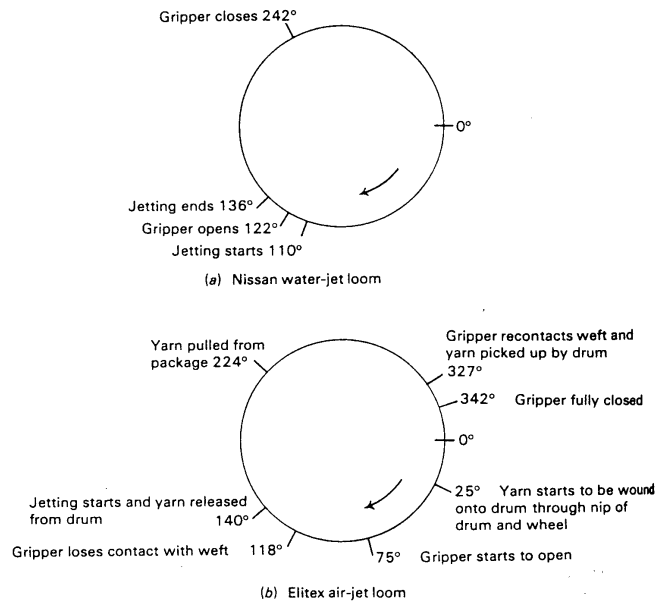


Figure 1

QUESTION 4

With the aid of a diagram explain the sizing process. (7)

QUESTION 5

Use schematic diagram to explain negative Dobby shedding. (10)

QUESTION 6

Draw and describe the 4 types of shed. (8)

QUESTION 7

Describe the timing of primary motions. (6)

SECTION B

QUESTION 8

- (a) With the aid of diagrams discuss the causes of variation in spacing. (15)
- (b) Explain what leads to disturbed weaving conditions. (10)

QUESTION 9

With the use of diagrams describe the functions of each of the temples. (25)

QUESTION 10

Using diagrams and formulae, explain tensions involved in the cloth fell position. (25)

END OF QUESTION PAPER