Q.27 Define winding and also explain the various imperfections of yarn.

Q.28 Draw the passage of yarn on a winding machine.

Q.29 What do you mean by traversing motion?

Q.30 Classify the yarn numbering system by giving two examples of each type.

Q.31 Explain different types of yarn tensioners used in winding.

Q.32 Differentiate between flanged packages and flangeless packages.

Q.33 What are the objectives of sizing?

Q.34 Explain pirn winding machine in brief.

Q.35 Give a comparison between beam warping and sectional warping.

SECTION-D

Note: Long answer type questions. Attempt any two questions out of three questions.   (2x10=20)

Q.36 Draw the passage of warp sheet through a slasher sizing machine with the help of a illustrated diagram.

Q.37 Discuss various types of creel in warping process? Explain each in brief.

Q.38 How will you classify the winding machines on the basis of methods of package driving. Explain each in brief.

3rd Sem / Textile Design
Subject:- Weaving Preparation

Time : 3Hrs.   M.M. : 100

SECTION-A

Note: Multiple choice questions. All questions are compulsory   (10x1=10)

Q.1 Autoconer is a _____ machine

   a) Warping   b) Winding

   c) Weaving   d) None

Q.2 Which of the following is a yarn tensioning device

   a) Spinning disc   b) Washer type

   c) Grid type   d) All of the above

Q.3 The process of winding the yarn on a pirn is known as

   a) Warp winding   b) Weft winding

   c) Sizing   d) All of the above

Q.4 For the production of check pattern which type of warping process is used

   a) Direct Warping   b) Sectional warping

   c) Pirn winding   d) None

Q.5 Which one of the following is universal count
   a) Tex   b) Denier
   c) English Count   d) None

Q.6 Which of the following is defect of winding.
   a) Soft nose   b) Ribboning
   c) Jali   d) All of the above

Q.7 Jail is a defect of
   a) Yarn package   b) Lap
   c) Sliver   d) None

Q.8 The imperfections in the yarn represents
   a) Neps   b) Thick places
   c) Thin places   d) All of the above

Q.9 The process of conversion of ring bobbins into cones is known as
   a) Drawing-in   b) Denting
   c) Winding   d) None

Q.10 If the Tex of a yarn is 15 what will be its Denier
   a) 15 Denier   b) 30 Denier
   c) 108 Denier   d) 45 Denier

SECTION-B

Note: Objective type questions. All questions are compulsory.   (10x1=10)

Q.11 Define winding.

Q.12 Weight in grams of 1000 meter length of yarn is known as_____.

Q.13 Define doubling.

Q.14 Write formula for converting English-count to Denier.

Q.15 Name any two yarn faults which occur during winding process.

Q.16 Convert 20 Denier into Tex and English count.

Q.17 Give two examples of indirect yarn numbering system

Q.18 List any two ingredients of sizing paste

Q.19 Why starch is added in the sizing paste?

Q.20 Describe woolen and worsted yarn numbering system

SECTION-C

Note: Short answer type questions. Attempt any twelve questions out of fifteen questions.   (12x5=60)

Q.21 Differentiate between direct and indirect warping.

Q.22 Describe two types of yarn tensioning devices.

Q.23 Tell the objective of yarn winding.

Q.24 If weight of 180 meter of yarn is 8 grams, calculate its Tex and Denier.

Q.25 Differentiate between direct and indirect warping.

Q.26 How much 765 meters of 34's cotton yarn will weight.