

17463

15116

3 Hours / 100 Marks

Seat No.

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

- Instructions* – (1) All Questions are *Compulsory*.
(2) Answer each next main Question on a new page.
(3) Illustrate your answers with neat sketches wherever necessary.
(4) Figures to the right indicate full marks.
(5) Assume suitable data, if necessary.

Marks

- 1. Attempt any FIVE of the following :** **20**
- a) Enumerate the meaning of ‘Reaching’, ‘Drawing-In’ and ‘denting’.
 - b) Mention any four types of ingredients and their functions in sizing.
 - c) How size paste level in the size box is maintained ?
 - d) What is the use of ‘Wet-splitting’ and ‘Teflon coating’ ?
 - e) State the measuring method of stretch percentage in sizing.
 - f) Sketch and label Auto loom Shuttle along with pirn.
 - g) Enumerate merit and demerits of side and centre weft fork motion.
- 2. Attempt any TWO of the following :** **16**
- a) Sketch and label pressure cooker used in size cooking.
 - b) Describe the congealing and keeping properties of a starch paste & its application.
 - c) Explain the selection criterias of Maize starch and PVA.

P.T.O.

- 3. Attempt any TWO of the following :** **16**
- a) Give the functions of reed and healdwire. Draw its figures.
 - b) (i) Compare two cylinder and multi cylinder drying methods of sizing.
(ii) Draw the diagram of size box and label its parts.
 - c) Sketch and label multi cylinder sizing machine.
- 4. Attempt any TWO of the following :** **16**
- a) Describe the importance and working of 'Measuring and Marking motion.'
 - b) Enumerate factors affecting size pick up %.
 - c) How to calculate Dead Loss % and count of sized warp ?
- 5. Attempt any TWO of the following :** **16**
- a) Define migration and mention procedure of migration measurement.
 - b) Compare Ordinary power loom and Automatic loom for 16 points.
 - c) Sketch and Label any one warp stop motion.
- 6. Attempt any TWO of the following :** **16**
- a) (i) Pirn changing motion is preferred to shuttle changing motion. Comment.
(ii) State the importance of weft feeler on automatic loom.
 - (b) Sketch and label cimmco semi positive let-off mechanism.
 - (c) Mention eight important points of special warp preparation, with proper reasons, required for Automatic weaving.
-