

(Following Paper ID and Roll No. to be filled in your
Answer Books)

Paper ID : 164614

Roll No.

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

B.TECH.

Theory Examination (Semester-VI) 2015-16

CARPET MANUFACTURE

Time : 3 Hours

Max. Marks : 100

Section-A

UPTUNOTES

1. Note: Attempt all questions. All questions carry equal marks. Write answer of each part in short. (10×2 = 20)

- (a) Define carpet?
- (b) Name 3 types of pile textures
- (c) How are hand made carpets classified?
- (d) Draw Turkish knot and Persian knot.
- (e) Write the parts of Tibetan loom.

- (f) Give uses of latex spray gun.
- (g) In terms of yarn construction, what choices does a carpet designer have in the choice of textures?
- (h) Name 4 fibres commonly used for pile formation?
- (i) Sketch V pile and W pile structure used on loom made carpet
- (j) What are the main fibres used in carpets today?

2. Answer any 5 Questions (5×10 = 50)

- (a) Calculate the time taken for manufacturing and finishing of a tufted carpet with Aubusson design. Size of the carpet is 6 ft by 10 ft.
- (b) Discuss the main objective of chemical coating of the carpet.
- (c) Describe the important fibre properties desired for carpet.

- (d) Discuss with sketch the various tools used for Persian and Tibetan hand knotted carpet and their uses.
- (e) Calculate the weight of a tufted carpet with size 6 ft by 10 ft. Assume your own but readable data.
- (f) What are the chemicals used in chemical coating of carpet? Give the role of each chemical substance.
- (g) Write the advantage and disadvantage of natural and synthetic latex.
- (h) Describe the curing process in tufted carpet.

Section-C

Answer any 2 Questions

(2×15 = 30)

3. You are asked to furnish the classroom with a hand knotted carpet size of carpet is 20 ft by 20 ft. Quality required is 5/40. 40% of colours are dark, 40% of colours are light, 20% are tie dyed. Work out the cost of quality (benefit) of this carpet.

4. Describe the V and W tuft structures formation in the hand loom carpets with a suitable diagram.
5. Give the manufacturing method of soumak carpets and shaggy carpets with diagrams.

