

B.Des. Semester-V Examination 2014
Specialization in Furniture & Interior
Material & Process-I
Paper : FI-V/03

Time : Three Hours

Full Marks : 40

Questions are of value as indicated in the margin.

Part-A

Attempt **any two** questions.

1. Write a short notes on : (**any five**) 5×2=10
(a) Bevelled edge (b) Nosing (c) Planning & shooting (d) Chamfering
(e) Dressed limber & sized timber (f) Spiral grain (g) Arris edge.
2. What is seasoning? Why seasoning is necessary? Explain the difference between the natural method and accelerated drying. 1+2+7=10
3. What is conversion? Name three methods of converting logs into boards. Draw the end grain of 'back' sawn board and 'Quarter' sawn board. 1+3+6=10
4. Why does timber shrink? How long shrinkage continue? Write down the effects of shrinkage of timber. What is green wood? Write the difference between free water and combined moisture. 1+1+4+1+3=10

Part-B

Attempt **any two** questions.

5. (i) Distinguish between manually operated and Automatic clipper. 2
(ii) Why that plywood is always comes in odd numbers. 2
(iii) Distinguish hot pressing & cold pressing. 1
(iv) Explain "Grading". 1.5
(v) Describe the 'Drying' Process in detail. 2
(vi) Draw a 7 ply, showing all the parts. 1.5
 2. Draw the following :
(i) 5-Layer Block Board 3
(ii) Double core Block Board
(iii) Block Board with MDF 3
 3. (i) Name three species used for BMB. 1.5
(ii) Name five raw material for Particle Board 2.5
(iii) What is coverage of Glueing. How will you calculate it. 3
(iv) Give a description about BMB manufacturing. 3
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