

Lesson Plan

Name of Faculty : Sh Baljinder Singh
 Discipline : Electrical Engg.
 Semester : 2nd
 Subject : Engineering Drawing-II
 Lesson Plan Duration : 15 Weeks (from jan-2018 to April-2018)
 Work Load (Lecture / Practical) per Week (in h) : Lecture - 0 Practical - 8

| Week | Theory | | Practical | |
|------|-------------|-------------------------------------|---------------|--|
| | Lecture Day | Topic (including assignmen t/test) | Practical Day | Topic |
| 1" | | | 1st | 1. Detail and Assembly Drawing (05 sheets) 1.1 Principle and utility of detail and assembly drawings; 1.2 Wooden joints i.e. corner mortise and tenon joint, Tee halving joint (01 sheet) |
| | | | 2nd | 1.2 Wooden joints i.e. Mitre faced corner joint, Tee bridle joint, Crossed wooden joint(02 sheet) |
| 2" | | | 3rd | 1.2 Wooden joints i.e.Cogged joint, Dovetail joint, Through Mortise and Tenon joint(03 sheet) |
| | | | 4th | 1.2 Wooden joints i.e. furniture drawing - freehand and with the help of drawing instruments.(04 sheet) |
| 3" | | | 5th | 2. Screw Threads (03 sheets) 2.1 Thread Terms and Nomenclature; 2.1.1 Types of threads-External and Internal threads, Right and Left hand threads (Actual and Conventional representation), single and multiple start threads. (01 sheet) |
| | | | 6th | 2.1.2 Different Forms of screw threads-V threads (B.S.W threads, B.A thread, American National and Metric thread) (02 sheet) |
| 4" | | | 7th | 2.1.2 Different Forms of screw threads-Square threads (square, Acme, Buttress and Knuckle thread) (03 sheet) |
| | | | 8th | 3. Nuts and Bolts (03 sheets) 3.1 Different views of hexagonal and square nuts. Square and hexagonal headed bolt. (01 sheet) |
| 5" | | | 9th | 3.2 Assembly of Hexagonal headed bolt and Hexagonal nut with washer (02 sheet) |
| | | | 10th | 3.3 Assembly of square headed bolt with hexagonal and with washer (03 sheet) |

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| 6" | | | 11th | 4. Locking Devices (03sheets) 4.1 Different types of locking devices-Lock nut, castle nut, split pin nut, locking plate, slotted nut and spring washer (01 sheet) |
| | | | 12th | 4.2 Foundations bolts-Rag bolt, Lewis bolt, curved bolt and eye bolt (02 sheet) |
| 7" | | | 13th | 4.3 Drawing of various types of studs (03 sheet) |
| | | | 14th | 5. Keys and Cotters (04 sheets) 5.1 Various types of keys and cotters - their practical application, drawings of various keys and cotters showing keys and cotters in position (01 sheet) |
| 8" | | | 15th | 5.2 Various types of joints- Spigot and socket joint (02 sheet) |
| | | | 16th | 5.2 Various types of joint- Gib and cotter joint (03 sheet) |
| 9" | | | 17th | 5.2 Various types of joints - Knuckle joint (04 sheet) |
| | | | 18th | 6. Rivets and Riveted Joints (04 sheets) 6.1 Types of general purpose-rivets heads (01 sheet) |
| 10" | | | 19th | 6.2 Caulking and fullering of riveted joints 6.3 Types of riveted joints (i) Lap joint-Single riveted, double riveted (chain and zig-zag type) (02 sheet) |
| | | | 20th | (ii) Single riveted, Single cover plate butt joint (iii) Single riveted, double cover plate butt joint (03 sheet) |
| 11" | | | 21th | (iii) Single riveted, double cover plate butt joint (iv) Double riveted, double cover plate butt joint(chain and zig-zag type) (04 sheet) |
| | | | 22th | 7. Couplings (03 sheets) 7.1 Introduction to coupling, their use and types- 7.2 Muff coupling (01 sheet) |
| 12" | | | 23th | 7.3 Flange coupling (protected) (02 sheet) |
| | | | 24th | 7.4 Flexible Coupling (03 sheet) |
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