

JALPAIGURI GOVERNMENT ENGINEERING COLLEGE
A GOVERNMENT AUTONOMOUS COLLEGE
DEPARTMENT OF WORKSHOP
JALPAIGURI -735 102

First and Second Semester

ME- 192 & ME- 292

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Questions:-

Carpentary Shop

- 1) what is seasoning?
- 2) Name the different processes of Seasoning?
- 3) Classify The tools used in Corpentary shop?
- 4) Name any two types of hammer used in Carpentary shop?
- 5) what is mortise chiesel ?.
- 6) Name any three wood working me?.
- 7) Write ane five advantages of wood over the other materials?

8) What is Carpenter's Vice?

9) what is the Pitch of Saw?

10) State the methods of seasoning timber? Why timber seasoned?.

11) How The wood working tools are classified According to their use.

12) what are the various measuring tools used in Carpentry? Describe any two of them in details.

15) what are The Common defects found in the timber and what are their reasons ?

14) Name the different Planer tools used in wood Working? Describe the following

(1) wooden Jack Planer

2) Iron Jack Planer

Questions

Fittings

1. Classify the tools used in fitting shop?
2. Name Holding devices in fitting shop?
3. What is the material of centre punch?
4. what is the Point angle of a dot punch?

5. what in the material of a surface plate?
6. Name two measuring instruments used in fitting shop?
7. Name the different types of Chisels?
8. What is the material of file and hacksaw blade?
9. What in the Cutting angle of a chiesel?
10. Name the important types of files?

Short- notes on

- (i) Single cut and double cut files.
- (ii) Grading of files according to pitch
- (iii) Soft edge file.
- 12) How files are Classified? Name & explain various types of files?
- 13) Describe the following with sketches:-
 - (i) Taps and Dies (ii) Screw pitch gauge
 - (iii) Radius gauge.
- (14) What are the difference between tapping and Dieing operations in fitting shop?
- (15) What is the advantage of an adjustable hacksaw frame over the solid Hacksaw frame.

Questions

1. Water different types of joints in Welding shop?
2. Name the important welding process?
3. Name the gases used in gas weling process?
4. How many types of Flamess used in Welding shop?
5. What is the function of fluxs in gas welding?
6. Name the equipments used for oxy acetylene welding?
- 7.Name the equipments used for arc welding?
- 8.What is the current range of an electric arc welding set?

9. How much temperature can be achieved with the help of gas welding torch?
10. What is electrode coating?
11. Compare the merits and demerits of using AC and DC for Arc welding?
12. State different equipments used for arc welding?
13. What is welding where ii is used?
14. Explain the process of soldering and brazing?
15. State different welding defects and state its reasons.
16. What are the safety measurement required during welding?

MACHINE SHOP

QUESTION

1. What is machine and machine tool?
2. What is LATHE?
3. Give the specification of a Lathe machine.
4. State different parts of a LATHE machine with their functions.
5. State operations performed in lathe machines?
6. Which materials are commonly used as cutting tool material?
7. Explain the term (i) Cutting speed (ii) Depth of Cut (iii) Cutting Feed.
8. What is the function of Lead Screw, Feed Rod of a LATHE MACHINE.