

Carpentry

1. The cambium layer is also known as
 (1) Pith (2) **Growth layer** (3) Bark (4) Bast
 Ans:2
2. The 'resin' is stored in
 (1) **Heartwood** (2) Sapwood (3) Bast (4) Pith
 Ans: 1
3. In the wood working process the operation of producing a rectangular or square hole is
 (1) Tenoning (2) **Mortising** (3) Grooving (4) Planning
 Ans:3
4. The joint use to secure the corner and intersections of the frame is known as
 (1) Dovetail joint (2) **Bridle joint** (3) Middle lap joint (4) Tenon joint
 Ans:2
5. The joint that is used for pattern making in foundry is known as
 (1) Dovetail joint (2) **Mortise and tenon joint**
 (3) Cross lap joint (4) Middle lap joint
 Ans: 2
6. The process of making slots in the wooden pieces is known as
 (1) Recessing (2) **Rebating** (3) Tonguing (4) Chiselling
 Ans: 2
7. The joint used in construction of door is.....
 (1)Dovetail joint (2) **Mortise and tenon joint**
 (3) Cross lap joint (4)Middle lap joint
 Ans: 2
8. Plumb rule and bob
 (1) **Testing tool** (2) Measuring tool
 (3) Finishing tool (4)cutting tool
 Ans: 1

Plumb rule and bob. This is a useful tool to ensure verticality and uniformity during construction of walls, columns and wooden frames like doors and windows. It also helps in levelling the surface of the floor.

9. The element which glows in the dark is

- (1) Sodium (2) Copper (3) White phosphorus (4)
Carbon

Ans: 3

10. The metal which is found in a liquid state is
(1) Potassium (2) Copper (3) Iron (4)

Mercury

Ans: 4

11. Tool used for marking and measuring an angle of 45° is
(1) Try square (2) Mitre square
(3) Marking gauge (4) Inside Caliper

Ans: 2

12. In carpentry the plane that is used for oblique planing is
(1) smoothing plane (2) Trying plane
(3) Jack plane (4) none of the three are correct

Ans: 4

13. Oil of vitriol is
(1) Nitric acid (2) Hydrochloric acid
(3) Sulphuric acid (4) Phosphoric acid

Ans: 3

14. The brittle form of steel is
(1) Tempered steel (2) mild steel (3) hardened steel (4) medium steel

Ans: 3

15. The part of the firmer chisel that prevents splitting of handle is
(1) Tang (2) Handle (3) Ferrule (4) Cutting edge

Ans: 1

16. A gas does not have a definite shape or fixed volume because the molecules are
(1) at rest (2) in linear motion
(3) in oscillatory motion (4) in random motion

Ans: 4

17. The piano is a
(1) string instrument (2) wind instrument
(3) percussion instrument (4) reed instrument

Ans: 3

18. A chemical bond formed between two neutral atoms giving charged ions is
(1) covalent bond (2) coordinate covalent bond
(3) electrovalent bond (4) metallic bond

Ans:2

19. A small spherical ball made of steel when dropped in mercury in a container will
- (1) Sink
 - (2) will float on the surface of mercury
 - (3) will be partly immersed in mercury
 - (4) none of the three are correct

Ans:3

20. Short sight can be corrected using a
- (1) convex lens
 - (2) concave lens
 - (3) bifocal lens
 - (4) cylindrical lens

Ans: 2

21. X-rays carry
- (1) positive charge
 - (2) negative charge
 - (3) no charge
 - (4) positive and negative charge

Ans:3

22. In electroplating the metal to be coated is taken as the
- (1) electrolyte
 - (2) cathode
 - (3) anode
 - (4) vessel

Ans:3

23. The glue "AAARALDITE" is a glue
- (1) Solvent rubber
 - (2) Epoxy resin
 - (3) Synthetic resin
 - (4) Casein

Ans:2

25. The length of time for which the glue when mixed will remain good for use before starting to lose its quality is called
- (1) Curing time
 - (2) Pot life
 - (3) Shelf life
 - (4) storage life

Ans:2

26. Identify the screw used for fixing thin metal sheet where the thread will cut itself into the material
- (1) Coach screw
 - (2) self tapping screw
 - (3) Chip Board screw
 - (4) Dowel screw

Ans:2

27. Identify the nails designed for boat building and they are made out of Silicon-Bronze alloy
- (1) Grip fast nail
 - (2) Hard board nails
 - (3) cut clasp nails
 - (4) lost head nails

Ans:1

28. The first coat of paint applied to new wood work is called

(1) Primers (2) Under coat (3) Stopping (4)
Staining

Ans:1

30. "Rubbed Joint" is a type of
(1) Framing Joint (2) Lengthening Joint
(3) Widening Joint (4) Load Bearing Joint

Ans:2

31. In the plain dovetail joint the dovetails in soft wood is
(1) 1 in 6 (2) 1 in 8 (3) 1 in 10 (4) 1 in 4

Ans:1

32. By the "Rule of Thumb" the Gauge number of the screw measuring 5/16" across the head is

(1) 10 (2) 12 (3) 8 (4) 6

Ans: 3

33. This joint is also known as "Tongue and Groove Joint"
(1) Housing joint (2) combed joint (3) Dovetail joint (4)

Rubbed joint

Ans: 1

A Housing Joint is **used for fixing shelves and partitions into cabinets and book-cases for example.**

34. In the circular saw, for fine cutting with a very clean finish, the teeth of saw blade used is

(1) Rip saw teeth (2) Cross cut teeth
(3) Tenon saw teeth (4) Novelty teeth

Ans: 4

35. Identify the joint that is used mainly in manufacture of drawers, cases and boxes and for better resistance to tensile forces

(1) Dovetail joint (2) Rubber joint (3) Bridle joint (4) Halving joint

Ans: 1

36. "Knuckle" and "Flaps" are parts of

(1) wooden windows (2) Hinges
(3) Carpenter's plane (4) Country drills.

Ans: 2

37. A new hacksaw blade after a few strokes becomes loose because of the

(1) stretching of the blade (2) wing-nut thread being worn out
(3) wrong pitch of the blade (4) improper selection of the set of saws

Ans: 1

38. The datum from which the measurements of a Vernier height gauge are taken, is

- (1) The beam (2) the vernier slide
 (3) the base (4) above the scriber point

Ans: 4

39. For an object to be in stable equilibrium the centre of gravity should

- (1) lie at the top (2) be outside the object
 (3) fall within the base (4) none of the above

Ans: 3

40. For a body to float in a liquid

- (1) density of the body should be equal to the density of the liquid
 (2) Weight of the body should be equal to the weight of the liquid displaced
 (3) The weight of the body should be equal to the weight of an equal volume of liquid
 (4) Volume of the body should be equal to the volume of the liquid displaced

Ans: 2

41. Stribers are made of

- (1) mild steel (2) high carbon steel (3) brass (4) cast iron

Ans: 2

42. A ball in air during its free fall possesses

- (1) potential energy
 (2) sound energy
 (3) chemical energy
 (4) partly kinetic energy and partly potential energy

Ans: 4

43. In a motor, electrical energy is converted into ----- energy

- (1) mechanical (2) light (3) sound (4) chemical

Ans: 1

44. While doing pattern making, the surface to be machined should be colour coded with

- (1) Black (2) Yellow (3) Red (4) white

Ans: 2

45. Prior to Wooden Flooring DPC must be inserted. "DPC" stands for

- (1) Dual Ply Course (2) Dovetailed Partition Course
 (3) Double Partition Course (4) Damp Proof Course

Ans: 4

46. The sheet metal thickness is expressed in 'SWG' number SWG stands for

- (1) Sheet Width Gauge (2) Standard Width Gauge
 (3) Standard Wire Gauge (4) Sheet Wire Gauge

Ans: 3

47. To remove the pins, nails, screws etc. the tool used is
(1) The Cradle (2) **Pincers** (3) Hold Fast (4) Mitre

Cramp

Ans: 2

48. while doing pattern making the shrinkage allowance for cast iron is
(1) 24 mm/metre (2) **10 mm/metre** (3) 14 mm/metre (4) 17
mm/metre

Ans: 2

49. Windows which project from the face of a building are called
(1) casement windows (2) sliding sash windows
(3) **Bay windows** (4) flush windows

Ans: 3

50. The process to change the colour of the wooden surface is called
(1) **Staining** (2) varnishing (3) scrapping (4) sanding

Ans: 1