

Workshop Technology Multiple Choice Questions

1. The following material(s) can be used for making pattern(s).

- a. Aluminium
- b. Wood
- c. Lead
- d. All of the above

2. Slick is used for _____ the mould.

- a. Repairing
- b. Finishing
- c. Venting
- d. Both a and b

3. The property of sand due to which it adheres or sticks to the sides of molding box

- a. Adhesiveness
- b. Collapsibility
- c. Cohesiveness
- d. Permeability

4. When a molding box has three parts, the centre part is known as

- a. Cope
- b. Drag
- c. Cheek
- d. None of the above

5. The property of sand which provides the flow of steam and other gases through its pores is known as

- a. Adhesiveness
- b. Collapsibility
- c. Cohesiveness
- d. Permeability

6. _____ is the property that allows the sand grains to stick together

- a. Adhesiveness
- b. Collapsibility
- c. Cohesiveness
- d. Permeability

7. A taper provided on the pattern for its easy removal from the mould is known as

- a. Finish allowance
- b. Draft allowance
- c. Rapping allowance
- d. Contraction allowance

8. Which color is used to mark on pattern the surface to be machined?

- a. Red color
- b. Orange color
- c. Green color
- d. Blue color

9. Which color is used to mark on pattern the surface to be left un. machined?

- a. Red color
- b. Black color
- c. Green color
- d. Blue color

10. A gimlet is a hand tool used for

- a. Drilling
- b. Marking
- c. Reaming
- d. None of these

11. Green sand is a mixture of

- a. 60% sand and 40% clay
- b. 30% sand and 70% clay
- c. 40% sand and 60% clay
- d. 70% sand and 30% clay

12. Loam sand is a mixture of

- a. 20% sand and 80% clay
- b. 50% sand and 50% clay
- c. 70% sand and 30% clay
- d. 80% sand and 20% clay

13. ____ sand employed on the faces of the pattern before molding

a. Green

b. Dry

c. Loam

d. Parting

14. The following method(s) is (are) used to manufacture 2 meter long seamless tube.

a. Rolling

b. Extrusion

c. Drawing

d. Both a and b

15. The increase in hardness due to cold working, is known as

- a. case hardening
- b. quench hardening
- c. work hardening
- d. surface hardening

16. During hot working of metals

- a. good surface finish is produced
- b. scale is formed on the metal surface
- c. close tolerances are maintained
- d. None of the above

17. Cold working of metal

- a. produces good surface finish
- b. increases strength
- c. increases hardness
- d. all of the above

18. The hot working of metals takes place

- a. below the recrystallization temperature
- b. above the recrystallization temperature
- c. at the recrystallization temperature
- d. at melting point

19. The cold working of metals takes place

- a. below the recrystallization temperature
- b. above the recrystallization temperature
- c. at the recrystallization temperature
- d. at melting point

20. Following is (are) the advantage(s) of hot working of metals.

- a. Porosity of the metal largely eliminated
- b. Refined grain structure
- c. Improved mechanical properties
- d. All of the above

21. In which of the following operation, a moving mandrel is used

- a. Centrifugal casting
- b. Wire drawing
- c. Tube drawing
- d. Forging

22. The two rolls in a two high rolling mill rotate at the _____ speed and in the _____ direction.

- a. same, opposite
- b. same, same
- c. opposite, same
- d. opposite, opposite

23. Thread rolling is a

- a. Hot forging process
- b. Cold forging process
- c. Cold extrusion process
- d. Hot extrusion process

24. Following is the recrystallization temperature of steel

- a. 500°C
- b. 600°C
- c. 700°C
- d. 800°C

25. Thread rolling can be performed on

- a. Ductile materials
- b. Brittle materials
- c. Hard materials
- d. Ferrous materials

26. ____ is used to deliver molten metal from pouring basin to gate.

- a. Riser
- b. Core
- c. Sprue
- d. Chaplet

27. The following casting defect results in general enlargement of a casting

- a. Pin holes
- b. Cold shut
- c. Swell
- d. Blow holes

28. Following is not a sheet metal work

- a. Extrusion
- b. Piercing
- c. Punching
- d. Blanking

29. The following casting defect occurs due to improper venting of sand.

- a. Misrun
- b. Blow holes
- c. Cold shut
- d. Swell

30. A ____ acts as a reservoir for the molten metal.

- a. Pouring basin
- b. Gate
- c. Runner
- d. Riser