

Name:

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- Q10.** Ribs are provided in machine tool structures to increase
- a) The weight of the structure
 - b) The rigidity of the structure
 - c) The storage capacity of chips
 - d) The machine handling capacity
- Q11.** Which one of the following processes provides the highest dimensional accuracy?
- a) Turning
 - b) Shaping
 - c) Boring
 - d) Milling
- Q12.** Special purpose machine tools are generally used for
- a) Small batch production
 - b) Job production
 - c) Mass production
 - d) Production of complex geometries
- Q13.** 4-jaw chuck is used in a lathe to clamp
- a) Only for cylindrical workpiece
 - b) Only for square bar
 - c) Only for eccentric workpiece
 - d) Any type of workpiece
- Q14.** Facing operation in a lathe is used for producing a
- a) Cylindrical surface
 - b) Plane surface
 - c) Tapered surface
 - d) Hole
- Q15.** Taper turning using the taper turning attachment in lathe is used for
- a) Only small tapers over the length
 - b) Only large and steep tapers
 - c) Only small and steep tapers
 - d) All types of tapers
- Q16.** The intermediate molding flask used in sand casting is called
- a) Cope
 - b) Drag
 - c) Cheek
 - d) Core
- Q17.** In sand casting, shrinkage allowance is added to pattern dimensions to take care of
- a) Liquid shrinkage
 - b) Solid shrinkage
 - c) Liquid and solid shrinkage
 - d) Either liquid or solid shrinkage
- Q18.** Permeability of green molding sand indicates its
- a) Green strength
 - b) Dry strength
 - c) Gas evaluation capability
 - d) Moisture content
- Q19.** Which one of the following items is not an additive that is mixed with green molding sand?
- a) Coal dust
 - b) Saw dust
 - c) Clay
 - d) Iron oxide
- Q20.** To reduce the mold erosion in a sand molding
- a) Taper sprue is used
 - b) Cylindrical sprue is used
 - c) Sprue base well is provided
 - d) Trapezoidal runner is used
- Q21.** Riser is used in a sand casting to
- a) To reduce the slag inclusion
 - b) To reduce air aspiration effect
 - c) To reduce mold erosion
 - d) To reduce shrinkage cavities
- Q22.** Hot working of metal in metal forming is conducted
- a) Above the melting point
 - b) Above the recrystallization temperature
 - c) Below the ambient temperature
 - d) Below the recrystallization temperature

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- Q23.** Which one of the following operation is always a cold working operation?
a) Rolling
b) Wire drawing
c) Forging
d) Extrusion
- Q24.** Which one of the following steel items is generally made a square cross section?
a) Slab
b) Billet
c) Bloom
d) Ingot
- Q25.** Which one of the following mechanical properties is relevant to formability of metal?
a) Ductility
b) Brittleness
c) Hardness
d) Toughness
- Q26.** The fuel gas that has the highest flame temperature in gas welding is
a) Propylene
b) Propane
c) Acetylene
d) Hydrogen
- Q27.** The flame type that is normally used to weld high carbon steels in oxy-acetylene welding method is
a) Neutral flame
b) Natural flame
c) Oxidizing flame
d) Reducing flame
- Q28.** Straight polarity in electric arc welding is obtained with combination of
a) Electrode positive with AC
b) Electrode positive with DC
c) Electrode negative with AC
d) Electrode negative with DC
- Q29.** Welding is a
a) Permanent joint
b) Semi-permanent joint
c) Temporary joint
d) Temporary or semi-permanent joint
- Q30.** Which one of the following welding processes does not required any filler metal?
a) Oxy-acetylene welding
b) Electric arc welding
c) Resistance welding
d) Oxy-hydrogen welding

******Best of luck******