

1. Mohr circle is used to find?
 - a) increases with increase in diameter
 - b) decrease with increase in diameter
 - c) increase with increase in specific weight
 - d) decrease with increase in specific weight

2. Specific speed of turbine signifies
 - a) rotational speed
 - b) head
 - c) flow rate
 - d) not remember

3. Power of a belt is given by-
 - a) mass
 - b) velocity
 - c) arc
 - d) all the above

4. At what temperature Celsius and Fahrenheit is equal-
answer. -40

5. Slenderness ratio of a mild steel is-
 - a) >80
 - b) <80
 - c) >90
 - d) <90

6. Magnet is made of which iron

7. Which is weakest iron
 - a) spring
 - b) bolt
 - c) or optin yad nahn

8. Magnet north pole represents which direction

9. Spheroidizing is a type of which process

10. Normalizing is done at
 - a) above crystalline temp with quenching of oils
 - b) below crystalline temp

11. Rivets are made by which process
 - a) extrusion
 - b) cold heating
 - c) forging

12. Mercury does not stick to the tube
 - a) cohesive force > adhesive force
 - b) cohesive force < adhesive force
 - c) cohesive force = adhesive force

13. A cage is provided in bearing in between the balls

14. Wear allowance on a gear is for which end
 - a) gear
 - b) no gear

16. If area, length, diameter, stress is doubled what will happen to the strain energy?
17. If a spring of stiffness of k is divided in 4 parts and then joined in parallel then what will be the resultant stiffness?
18. Ek bearing lubrication ka question tha
19. How can we increase the pressure angle of a gear?
- 20.
- a) plaster of paris is extracted from bauxite, true / false
 b) ek or tha yaad nahi
21. What is 18-4-1 mild steel?
 18 mei kiska kitna composition hai, 4 or 1 mei bhi
22. What is the shape of bending moment of cantilever with udl over it?
23. Surface measurement RA is taken in which units?
 a) micron
 b) mm^2
 c) dnt remember
24. In which fit clearance will be more for hole and shaft?
 h6g8
 h6e8
 h9f9
 h9d8
25. If spring is in compressive stresses then major stresses will be
26. Velocity ratio of gear will be equal at which point?
27. How much is thermal efficiency of internal combustion engine?
28. Internal spur gear is mass produced by which process?
29. Ek hooke joint ka tha question?