

# Download File PDF Mechanical Engineering Technical Interview Questions

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## TECHNICAL QUESTIONS - MECHANICAL ENGINEERING

- Ans: Universal coupling.  
39. For perpendicular shafts worm gear is used.  
40. A planet gear with 25 teeth is meshed with a sun gear of 100 teeth. Both are connected using a arm. How many rotations are needed for planet gear to complete one rotation around the sun gear?  
41. What is equivalent spring constant for spring in parallel?  
42. How are tapered and sintered composite materials are machined?  
Ans: Electro Discharge Machining, EDM.  
43. Critical stress at which material will start to flow ?  
(a) yield  
(b) ultimate tensile stress  
(c) proof stress  
(d) none of the above.  
44. Maximum degree of freedom in space? Ans. 6  
45. Bearing which will take axial and radial loads?  
(a) thrust bearing  
(b) deep groove  
(c) taper roller  
(d) roller  
46. volume of water per cubic metre of air.  
(a) specific volume  
(b) specific gravity  
(c) vapour pressure  
(d) none of above  
47. fluid is flowing through a frustum of cone. what is the nature of graph of velocity Vs. r's area. (flow = velocity X r's area)  
(a) parabola  
(b) hyperbola  
(c) y=mx+c  
(d) x/y  
48. Fluid in a pipe having no change in profile with change in length...explain type of flow?  
a) laminar  
b) Turbulent  
c) fully developed profile (ans)  
d) steady flow.  
49. Which are correct  
I) Navier Stokes Eq. is of momentum conservation eq.

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