

WEEKLY TEST – 1

1. Which is a body force? Choose the correct option.
 - I. Magnetic Force
 - II. Friction Force
 - III. External Reaction
2. Total Number of independent Stresses in 3-D
3. Write down Stress matrix representing normal and shear stresses at a point.
Hint: matrix will be of [3x3]
4. Stress at any point P will be different for different plane. (True / False)
5. Normal stress acts parallel to the surface. (True / False)
6. Shear Stress acts perpendicular to the surface. (True / False)
7. Surface Forces Acts along _____ of the body.
8. Body forces acts along _____ of the body.
9. Gravitational force is an example of (Surface/ Body) Force. Choose correct option.
10. External reactions are example of (Surface/Body) Force. Choose correct option.