

ASSIGNMENT NO: 02

OBJECTIVE QUESTIONS:

1. Principle of virtual work was developed by Mohr.
State whether the above sentence is true or false.
 - a) True
 - b) False
2. What is the relation between work done by external loads and work done by internal loads.
 - a) They are unequal
 - b) They are equal
 - c) Can't say
 - d) Depends upon load
3. Dummy unit load method and virtual work method are two different approaches.
State whether the above statement is true or false.
 - a) True
 - b) False
4. To apply this method it is :-
 - a) Compulsory for external and internal forces to be in equilibrium
 - b) Not compulsory for external and internal forces to be in equilibrium
 - c) Compulsory for external and internal forces to be in equilibrium in higher loads
 - d) Compulsory for external and internal forces to be in equilibrium in lesser loads
5. This method can be applied when:-
 - a) Elastic limit is exceeded
 - b) Elastic limit is not exceeded
 - c) Doesn't depend upon elastic limit
 - d) Can't say
6. This method can be applied when:-
 - a) Supports are moving
 - b) Supports are not moving
 - c) Can be applied in both case
 - d) Can be applied in neither cases
7. What is the shape of load-deformation curve for a linear elastic member?
 - a) Straight line with constant slope
 - b) Straight line with varying slope
 - c) Curve
 - d) Sine wave

CONVENTIONAL QUESTIONS:

8. What is the principle of virtual work?
9. Derive the expression for the virtual work applied for deformable bodies.
10. What is unit load method?