

Mechanisms and Machines Quiz Questions with Answers Pdf

1. Automobile steering gear is an example of

- a. higher pair
- b. sliding pair
- c. turning pair
- d. rotary pair
- e. lower pair

Ans : E

2. Which of the following has sliding motion?

- a. crank
- b. connecting rod
- c. crank pin
- d. cross head
- e. cross head guide

Ans: D

3. The motion transmitted between the teeth of gears in mesh is

- a. sliding
- b. rolling
- c. rotary
- d. could be either sliding or rolling depending upon shape of teeth
- e. partly sliding and partly rolling

Ans: E

4. Sense of tangential acceleration of a link

- a. is same as that of velocity
- b. is opposite to that of velocity
- c. could be either same or opposite to velocity
- d. is perpendicular to that of velocity
- e. none of the above

Ans: C

5. The tendency of a body to resist change from rest or motion is known as

- a. mass
- b. friction
- c. inertia
- d. resisting force
- e. resisting torque

Ans: C

6. Flexible coupling is used because

- a. it is easy to disassemble
- b. it is easy to engage and disengage
- c. it transmits shocks gradually
- d. it prevents shock transmission and eliminates stress reversals

Ans: D

7. The indicator using Watt mechanism is known as

- a. Thomson indicator
- b. Richard indicator
- c. simplex indicator
- d. Thomson indicator

Ans: B

8. Crowning on pulleys helps

- a. in increasing velocity ratio
- b. in decreasing the slip of the belt
- c. for automatic adjustment of belt position so that belt runs centrally
- d. increase belt and pulley life

Ans: C

9. The moment on the pulley which produces rotation is called

- a. inertia

- b. momentum
- c. moment of momentum
- d. work
- e. torque

Ans: E

10. The horse power transmitted by a belt is dependent upon

- a. tension on tight side of belt
- b. tension on slack side of belt
- c. radius of pulley
- d. speed of pulley
- e. all of the above

Ans: E

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