

Mechanisms and Machines Objective Type Questions with Answers Pdf

1. The locus of a point on a thread unwound from a cylinder will be

- a. a straight line
- b. a circle
- c. involute
- d. cycloidal
- e. helix

Ans: C

2. Typewriter constitutes

- a. machine
- b. structure
- c. mechanism
- d. inversion

Ans: C

3. A pantograph is a mechanism with

- a. lower pairs
- b. higher pairs
- c. rolling pairs
- d. turning pairs
- e. spherical pairs

Ans: A

4. Higher pairs are those which have

- a. point or line contact between the two elements when in motion
- b. surface contact between the two elements when in motion
- c. elements of pair not held together mechanically
- d. two elements that permit relative motion

Ans: A

5. Tangential acceleration direction is

- a. along the angular velocity
- b. opposite to angular velocity
- c. may be any one of these
- d. perpendicular to angular velocity

Ans: C

6. Klein's construction is useful to determine

- a. velocity of various parts
- b. acceleration of various parts
- c. displacement of various parts
- d. angular acceleration of various parts

Ans: B

7. Rope brake dynamometer uses

- a. oil as lubricant
- b. water as lubricant
- c. grease as lubricant
- d. no lubricant
- e. special lubricant

Ans: D

8. The following dynamometer is widely used for absorption of wide range of powers at wide range of speeds

- a. hydraulic
- b. belt transmission
- c. rope brake
- d. electric generator
- e. torsion

Ans: A

9. The circle passing through the bottom of the teeth of gear is known as

- a. inner circle
- b. prime circle

- c. base circle
- d. addendum circle
- e. dedendum circle

Ans: E

10. The path of contact in involute gears is

- a. a straight line
- b. involute path
- c. curved line
- d. circle
- e. cycloidal

Ans : a

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