



Sapthagiri College of Engineering
Department of Mechanical Engineering

Written Quiz on

17ME42-Kinematics of Machines

07
15
Rach
20/5/19

Name: Rachith R

USN: 18G17ME068

Put tick mark \checkmark for the correct answer, all question carry one mark and question number 15 carry 6 marks

✓ 1. A higher pair has _____.

- a. Point contact b. Surface contact
c. No contact d. None of the above

2. Module of a gear is

- a. D/T ~~b. T/D~~ c. $2D/T$ d. $2T/D$

✓ 3. In which of the following type of gear train the first gear and the last gear are co-axial.

- a. Simple gear train b. Compound gear train
~~c. Reverted gear train~~ d. None of the above

4. Which gear train is used for higher velocity ratios in a small space?

- ~~a. Simple gear train~~ b. Compound gear train
c. Reverted gear train d. Epicyclic gear train

5. What is the number of instantaneous centres for an eight link mechanism?

- a. 15 b. 28 c. 30 ~~d. 8~~

✓ 6. Cam size depends upon

- ~~(A) Base circle~~
(B) Pitch circle
(C) Prime circle
(D) Outer circle

7. The example of rolling pair is

- (a) bolt and nut
~~(b) ball and socket joint~~
(c) ball bearing and roller bearing
(d) all of the above.

8. Kinematic pairs are those which have two elements that

- (a) have line contact
~~(b) have surface contact~~
(c) permit relative motion
(d) are held together


Principal
Sapthagiri College of Engineering
14/5, Chikkasandra, Hesaraghatta Main Road
Bengaluru - 560 057



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Department of Mechanical Engineering
Written Quiz on

17ME42-Kinematics of Machines

09
15

201

Name: Subhash Tadav. S

USN: 15G17ME085

Put tick mark \checkmark for the correct answer, all question carry one mark and question number 15 carry 6 marks

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Written Quiz on

17ME42-Kinematics of Machines

10
15
Ravi
20/5/19

Name: Santhosh Kumar S

USN: 1SG17ME077

Put tick mark \checkmark for the correct answer, all question carry one mark and question number 15 carry 6 marks

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