

## Physics Circular Motion Question Paper

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Questions. 1. A body is allowed to slide on a frictional less track from rest under-gravity. The track ends in a circular loop of diameter  $D$ . What should be the minimum height of the body in terms of  $D$ , so that it may successfully complete the loop? (a)  $D$  (b)  $D$  (c)  $D$  (d)  $2D$ . 2. A body is moving along a circular path with variable speed. It has

### Circular Motion - Question Paper 01

Circular Motion Questions, Paper 01, Subject: Physics, Topic: Circular Motion, Type: MCQs (Multiple Choice Questions) [Circular Motion - Question Paper 01 Questions on Circular Motion, Paper 3](#) 1. A stone attached to a rope of length  $l = 80$  cm is rotated with a speed of 240 r.p.m. At the moment when the velocity is directed vertically upwards ...

### Physics Circular Motion Question Paper

# Online Library Physics Circular Motion Question Paper

Circular Motion When an object moves in a circle at a constant speed its velocity (which is a vector) is constantly changing. Its velocity is changing not because the magnitude of the velocity is changing but because its direction is. This constantly changing velocity means that the object is accelerating (centripetal acceleration).

## Circular Motion - Physics

Mark scheme for questions on Circular Motion 1 from Edexcel GCSE Physics past papers. Edexcel GCSE Physics resources made by expert teachers.

## Circular Motion 1 | Mark Scheme | Physics Revision

SHORT ANSWER QUESTIONS . Q1. Define circular motion. Ans1. It is a movement of an object or body, along a circular path. Q2. i) Which of the following remains constant in a uniform circular motion, speed or velocity or both? ii) Name the force required for uniform circular motion. State its direction. Ans2.

## Class 11 Physics Multiple Choice Questions (MCQs) With ...

Questions on Circular Motion, Paper 3. 1. A stone attached to a rope of length  $l = 80$  cm is rotated with a speed of 240 r.p.m. At the moment when the velocity is directed vertically upwards, the rope breaks.

## Circular Motion - Questions - Paper 3

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## Physics Circular Motion Question Paper

Circular Motion Questions: Paper – 04. This entry was posted in Physics Questions. Download () Click here Pages: 3, Size: 34.26 KB, Filetype: pdf. 1. In order to cause something to move in a circular path, we must apply. (a) Inertial force. (b) Centripetal force.

## Circular Motion Questions: Paper – 04 - GELI Question Papers

Answer outline and marking scheme for question: a) Time =  $2\pi r / 1.7 \times 10^4 = 155230s = 43.1$  hours (2 Marks) b) i)  $-GMm / r^2 = -mv^2 / r$ . So:  $Gm / r^2 = v^2 / r$ . Therefore  $M = v^2 r / G$ . ii)  $M = (1.7 \times 10^4)^2 \times 4.2 \times 10^8 / 6.67 \times 10^{-11} = 1.82 \times 10^{27}$  kg (4 Marks) c)  $Vg = -GM/r = -6.67 \times 10^{-11} \times 1.9 \times 10^{27} / 7.1 \times 10^7 = -1.79 \times 10^9$  K kg<sup>-1</sup> (2 Marks)

## Exam-style Questions: Circular Motion - S-cool The ...

CIRCULAR MOTION PAPER – 4. The above question papers contain MCQs (Multiple choice questions) on Circular Motion, which have been captured from various entrance examination conducted in India i.e., MHT-CET, IIT-JEE, AIIMS, CPMT, NCERT, AFMC etc.

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Home > GCSE Physics > Forces & Motion. Circular Motion & Centripetal Force . From Newton's first law of motion it is known that an object will remain stationary, or keep moving at constant velocity in a straight line unless acted upon by an unbalanced force. When an object moves in a circular path its direction is changing all the time ...

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