



G.C.E (O/L) Support Seminar 2013
Revision Paper
Paper - I
Physics

For the A/L support seminar to be conducted under the supervision of the ministry of Education
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Time 2 hours

- This paper contains 50 multiple choice questions. Each question has five options. Two marks are allocated for each question. Total marks allotted for this paper is 100
- Answer all questions.
- Select the correct or the most appropriate answer (You will be provided an answer sheet at the exam to mark the answers)

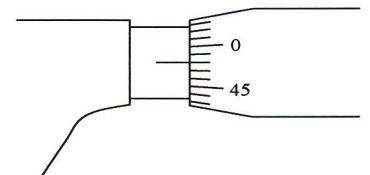
1. What is the unit of moment of force?

- (1) J (2) W (3) N m^2 (4) N m (5) N m^{-1}

2. Which of the two sets, given below are same in dimension ?

- (1) Surface tension, Pressure
(2) Relative density, Relative velocity
(3) Work, Torque
(4) Change of momentum, force
(5) Power, Efficiency

3. The diagram shows a micrometer screw gauge with 1 mm pitch. The jaws are coincident. The drum of the micrometer is divided into 50 equal parts. Which statement below is true?



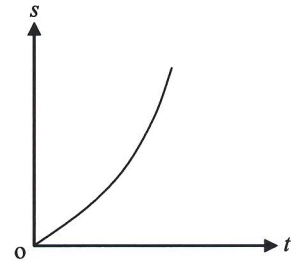
- (1) The zero error is 0.48 mm, and zero error should be added to the measurement.
(2) The zero error is 0.48 mm, and should be subtracted from the measurement..
(3) The zero error is 0.02 mm, and should be subtracted from the measurement.
(4) The zero error is 0.02 mm, and zero error should be added to the measurement.
(5) The zero error is 0.04 mm, and zero error should be added to the measurement.

4. The height of a storey of a storeyed building with the ground floor, first floor, second floor, and third floor is 5 m in height. What is the time interval for a falling tile from the third floor?

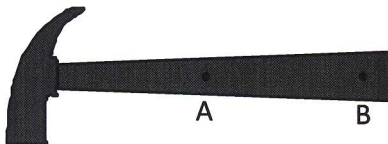
- (1) 1 s (2) $\sqrt{2}$ s (3) $\sqrt{3}$ s (4) $(\sqrt{3} - \sqrt{2})$ s (5) $(\sqrt{3} + \sqrt{2})$ s

5. The diagram shows the distance - time graph of a moving object, which statement is the most suitable ?

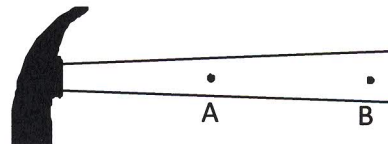
- (1) A motion with uniform velocity .
 (2) A motion with uniform acceleration.
 (3) A motion in acceleration with starting at rest.
 (4) A motion with deceleration with starting at rest.
 (5) A motion in acceleration with and initial velocity.



6.



P



Q

The diagram shows two hammers which are equal in shape. Handle of the hammer P is made up of metal and handle of the hammer Q in wooden. Mass of two hammers are equal. Out of the given statements which statement shows the correct hammer, and the place that it should be held in hammering a nail?

hammer suitable for use	Place where the hammer should be held
(1) P	at A
(2) P	at B
(3) P	middle of A and B
(4) Q	at A
(5) Q	at B

