

اختبار الصف الثالث الاعدادى

Question 1 :

Put (√) for the right sentences and (X) for the wrong sentences:

- 1 Newton is the measuring unit of force and weight. ()
- 2 All images formed by a convex lens are upright. ()
- 3 No image is formed if the object is placed at twice the focal length. ()
- 4 The distance is always identical to the amount of displacement . ()
- 5 Each lens has one secondary axis. ()

Degree (/ 5)

Question 2 : Choose the correct answer:

- 1 When two objects move at speed V_1 and V_2 , the relative speed equals.....if they move at the same direction
 - $V_1 + V_2$
 - $V_1 - V_2$
 - V_1/V_2

اختبار الصف الثالث الاعدادي

- 2 A graph illustrates a straight line parallel to one of the axis representing.....
- Regular speed
 - Irregular speed
 - Acceleration
- 3 Which of the following is NOT a property of the concave lens?
- It is thicker at the tips.
 - It is thinner at the center.
 - It converges light rays.
- 4 The train motion is considered motion in one direction because.....
- It moves upward and downward
 - It moves forward only
 - It moves forward and backward
- 5 It is said that the object moves at uniform acceleration when
- Its final speed is equal to its primary speed.
 - Its speed increases with equal amounts at equal times.
 - It covers equal distances at equal times.

Degree (/ 5)

اختبار الصف الثالث الاعدادى

Question 3 : Complete the following sentences :

- 1 Write the scientific term:
It is the point that lies in the middle of the reflective surface of the mirror. (.....) .
- 2 Complete the following:
The change in the speed of the body by the time in which the change occurs is called
- 3 Write the scientific term:
The straight line that passes by the center of curvature of the mirror and any point on its surface except the pole of the mirror. (.....) .
- 4 Complete the following :
The most important vision defects are and
- 5 Write the scientific term:
It is the distance covered through a unit time.(.....) .
- 6 from the vector physical quantities is mass..
- 7 The regular speed in (speed - time) graph is represented by a straight line that passes by the origin point..
- 8 The image formed by the concave lens is always real inverted image..

اختبار الصف الثالث الاعدادي

- 9 If the angle between the incident ray and the reflecting surface of the plane mirror is equal to 50° , the angle of reflection will be 50° .
- 10 The results in the table below, represents the experiment of a moving object with decreasing speed.

Distance (m)	10	20	30	40
Time (sec.)	1	2	4	4

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Degree (/ 10)

Question 4 : Answer the following questions :

- 1 Solve the problem:
A cheetah attacked a deer at rest, if the speed of the cheetah was 30 m/s,
calculate the distance covered by the cheetah to catch the deer if the time taken
is 10 sec.
- 2 Compare between each two of the following :
Real image - virtual image (definition).

اختبار الصف الثالث الاعدادى

- 3 What happens in the following cases?
A light ray is incident by an angle 45° on a plane mirror.

Degree (/ 3)



اختبار الصف الثالث الاعدادى

الإجابات النموذجية

Question 1 answers :

- 1 The sentence is correct.
- 2 is wrong.
- 3 is wrong.
- 4 The sentence is correct.
- 5 is wrong.

Question 2 answers :

- 1 $V_1 - V_2$
- 2 Regular speed
- 3 It converges light rays.
- 4 It moves forward and backward
- 5 Its speed increases with equal amounts at equal times.

اختبار الصف الثالث الاعدادى

Question 3 answers :

- 1 Pole of mirror
- 2 Acceleration
- 3 Secondary axis
- 4 short sightedness - long sightedness
- 5 speed
- 6 velocity.
- 7 parallel to time axis
- 8 Virtual
- 9 40°
- 10 uniform speed

Question 4 answers :

- 1 $V = 30 \text{ m/s}$ $t = 10 \text{ s}$ $d = ?$ $d = v \times t = 30 \times 10 = 300 \text{ meters}$

اختبار الصف الثالث الاعدادى

- 2 Virtual image can not be received on a screen. it can be seen directly with the eye.
it is formed by the intersection of the extension of light rays.
Real image Can be received on a screen. it can not be seen with the eye unless it is
received on a screen. it is formed by the intersection of the real light rays.
- 3 It reflects by angle 45°