## شكراً لتحميلك هذا الملف من موقع المناهج الإماراتية

## نموذج اختبار تجريبي منهج انسباير



تاريخ نشر الملف على موقع المناهج: 2023-11-25 11:40:33

## التواصل الاجتماعي بحسب الصف التاسع المتقدم

## روابط مواد الصف التاسع المتقدم على تلغرام

| التربية الاسلامية | اللغة العربية | اللغة الانجليزية | الرياضيات |
|---|---|---|---|

## المزيد من الملفات بحسب الصف التاسع المتقدم والمادة فيزياء في الفصل الأول

| | |
|---|---|
| 1 | مذكرة مراجعة وفق الهيكل الوزاري |
| 2 | ترجمة هيكلة الاختبار المركزي الجديد |
| 3 | نموذج الهيكل الوزاري الجديد بريدج |
| 4 | نموذج الهيكل الوزاري الجديد انسباير |
| 5 | حل تجميعة أسئلة امتحانات وزارية سابقة |

9

# امتحان نهاية الفصل الدراسي الأول 2023-2024

# End of term 1 exam 2023-2024

| | |
|---|---|
| اسم الطالب | |
| المدرسة | |
| الصف | |
| المسار | |
| المادة | |

يملا هذا الجدول بدقة تامة من قبل لجنة التقدير

| رقم السؤال | الدرجة | | | اسم المقدر 1 | اسم المقدر 2 | اسم المراجع |
|---|---|---|---|---|---|---|
| | المقدر 1 | المقدر 2 | المراجع | | | |
| Q1 | | | | | | |
| Q2 | | | | | | |
| Q3 | | | | | | |
| Q4 | | | | | | |
| Q5 | | | | | | |
| Q6 | | | | | | |

| You may use the following equations | |
|---|---|
| $\Delta x = x_f - x_i$ | $\bar{v} \equiv \frac{\Delta x}{\Delta t} = \frac{x_f - x_i}{t_f - t_i}$ |
| $x = \bar{v}t + x_i$ | $\bar{a} \equiv \frac{\Delta v}{\Delta t} = \frac{v_f - v_i}{t_f - t_i}$ |
| $v_f = v_i + \bar{a}\,\Delta t$ | $x_f = x_i + v_i t_f + \frac{1}{2}\bar{a}t_f^2$ |
| $v_f^2 = v_i^2 + 2\bar{a}(x_f - x_i)$ | $g = -9.8\ m/s^2$ |

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| Question | 1 |
|---|---|

1. What is the **first step** in the scientific method?

- ❑ Gather information
- ❑ State the problem
- ❑ analyze data
- ❑ Form a hypothesis

2. Which one of the following is a base unit ?

- ❑ Newtons
- ❑ Candela
- ❑ Coulomb
- ❑ Pascal

3. How many significant figures are there in the following measurement? **0.0004020**

- ❑ 4
- ❑ 8
- ❑ 2
- ❑ 7

4. Below is a data table produced by four students who were measuring the mass of a paper clip which had a known mass of 1.04 g, which group got a properly accurate and precise measurement of the mass of the paper clip ?

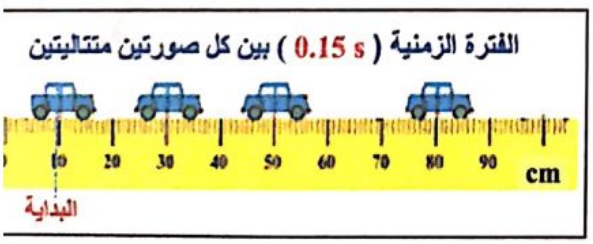
| | Group 1 | Group 2 | Group 3 | Group 4 |
|---|---|---|---|---|
| Trial 1 محاولة 1 | 1.03 g | 1.13 g | 1.04 g | 0.99 g |
| Trial 2 محاولة 2 | 1.05 g | 1.10 g | 1.41 g | 1.00 g |
| Trial 3 محاولة 3 | 1.02 g | 1.11 g | 1.52 g | 1.19 g |

- ❑ Group 1
- ❑ Group 3
- ❑ Group 2
- ❑ Group 4

5. A student made an experiment to know the effect of increasing the temperature on the growth rate of a tomato plant , what is the independent variable and what is the dependent variable

- ❑ The temperature is the independent , the growth rate is the dependent
- ❑ The growth rate is the independent , the temperature is the dependent
- ❑ The type of plant is the independent , the growth rate is the dependent
- ❑ The temperature is the independent , the type of plant is the dependent

6. Ministry: depending on the movement of the toy car in the figure, what is the car's displacement after 0.30s from the beginning of It's motion? The time interval between adjacent pictures is 0.15s




- ❑ +70 cm
- ❑ +50 cm
- ❑ +80 cm
- ❑ +40 cm

7. a driver rides his bike a distance of 20 m towards the east from the origin, then travels another 15 m towards the east. What is the driver's total displacement ?

- ❑ 35 m east
- ❑ 5 m east
- ❑ 35 m west
- ❑ 5 m west

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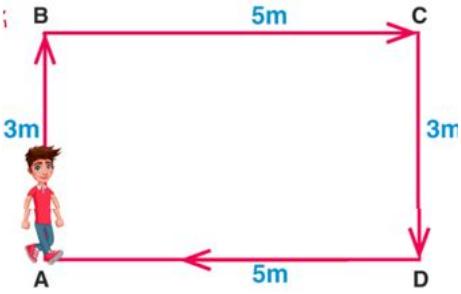
|---|---|---|---|

| Question | 1 |
|---|---|

8. adam started moving from point A, he passed the points B,C,D as shown in the figure before he came ack to point A. what is the displacement and distance respectively?

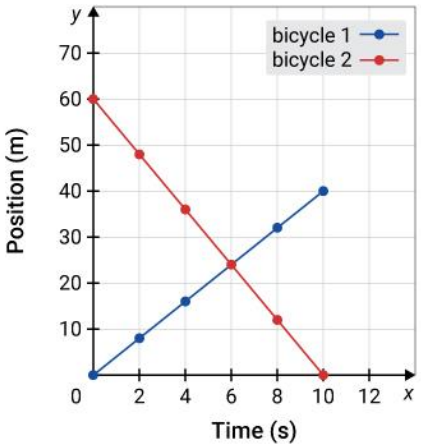



- ❑ 0m and 16 m
- ❑ 16 m and 16 m
- ❑ 0 m and 34 m
- ❑ 34 m and 34 m

9. Which of the following quantities is a vector quantity

- ❑ mass
- ❑ acceleration
- ❑ speed
- ❑ Pressure

10. At what position did the two biclycles meet ?

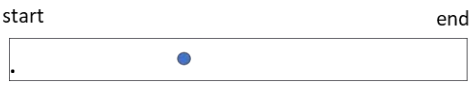



- ❑ 6 m
- ❑ 25 m
- ❑ 60 m
- ❑ 40 m

11. A cat runs down a path with an average velocity of 4 m/s for 2 min. what is it's final position, taking his initial position to be 5 m west ?

- ❑ 13 m
- ❑ 480 m
- ❑ 475 m
- ❑ 3 m

12. Which of the following particle motion diagrams represent **a uniform motion** with constant nonzero velocity ?

- ❑ 

- ❑ 

- ❑ 
- ❑ 

13. A truck slows from 36 m/s to 15 m/s over 3 s. what Is its average acceleration ?

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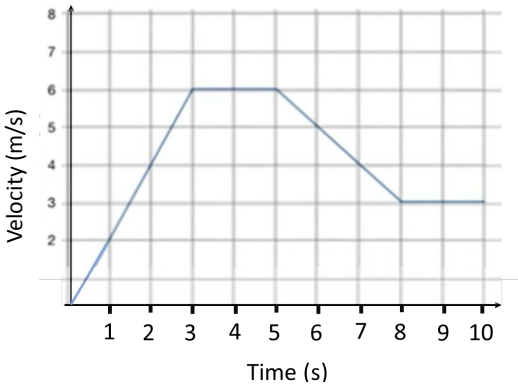
|---|---|---|---|

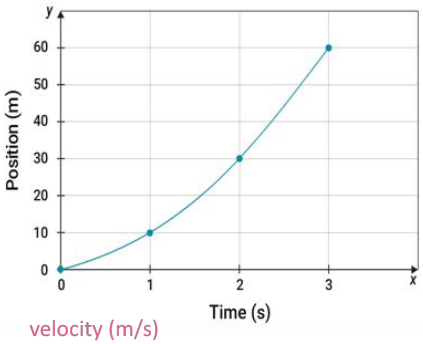
| Question | 1 |
|---|---|

14. Using the velocity-time graph, what is the runner's average acceleration for the whole 10 s period?

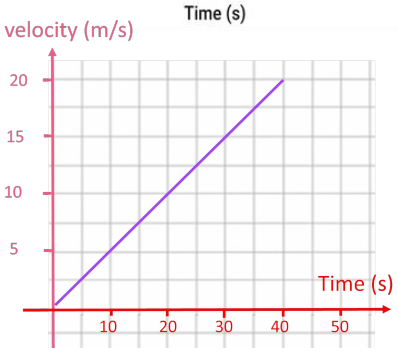



15. What is the direction of the acceleration in the following situation ?


16. The position time graph of an object is shown in the figure , what is the type of motion of the object?




17. Given the velocity- time graph shown , what is the displacement during the first 40 seconds of motion




18. A car starts from rest and goes down a hill with a constant acceleration of $5\ m/s^2$ . After 5 s the car reaches the bottom of the hill. What is the car's final speed?

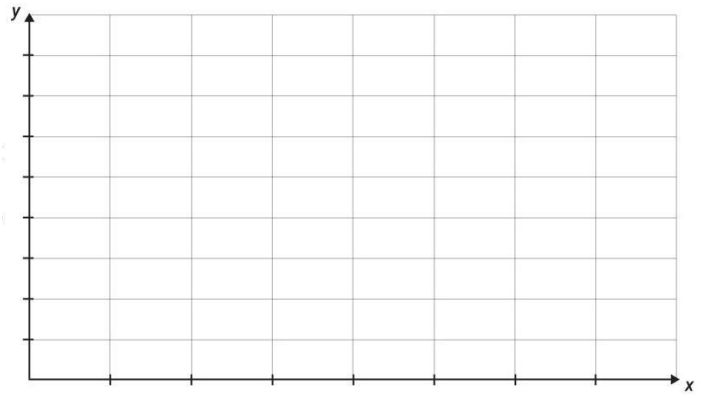
19. A car in a drag race started from rest and accelerated constantly to a velocity of 50 m/s when it reached the end of a 500 m road. What was the car's average acceleration?

| Question | 2 |
|---|---|

59. Suppose a mass is placed on a horizontal table that is nearly frictionless. Various horizontal forces are applied to the mass. The distance the mass travelled in 5 seconds for each force applied is measured. The results of the experiment are shown in Table 5.

**Table 5** Distance Traveled with Different Forces

| Force (N) | Distance (cm) |
|---|---|
| 5.0 | 24 |
| 10.0 | 49 |
| 15.0 | 75 |
| 20.0 | 99 |
| 25.0 | 120 |
| 30.0 | 145 |




a. Plot the values given in the table and draw the curve that best fits all points.
b. Describe the resulting curve.

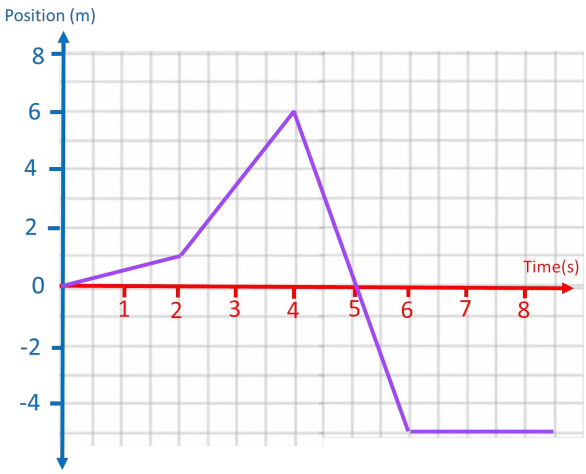
c. What is the constant (slope) in the equation? Find its units.

d. Use the graph to write an equation relating the distance to the force.

d. Predict the distance travelled when a 22.0-N force is exerted on the object for 5 s.

| Question | 3 |
|---|---|

For the following position – time graph , answer the following :




a. At what time did the object reach 6 m from the origin?

b. Where was the object after 6 seconds of motion?

c. At what time period was the object at rest?

d. At what time period was the object moving left?

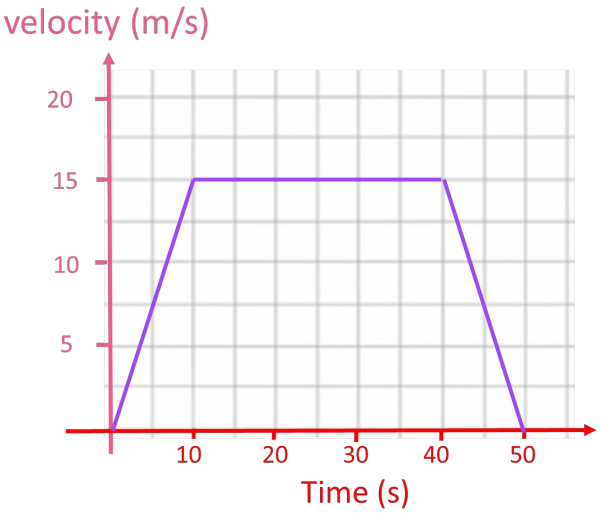
e. What is the displacement of the object between 2 and 7 seconds?

f. What is the velocity of the object during the first 2 seconds of it's motion ?

g. What is the velocity of the object during 2- 4 seconds?

| Question | 4 |
|---|---|

The velocity- time graph of an object is shown , answer the following questions




a. In which time period was the obect accelerating ?

b. In which time period was the object decelerating

c. In which time period was the object moving at a constant velocity ?

d. What is the average acceleration of the object during the first 10 seconds ?

e. What is the total displacement traveled by the object?

f. What is the displacement travelled between 20 and 50 seconds?

| Question | 5 |
|---|---|

An airplane starts from rest and accelerates east at a constant $4\ m/s^2$ for 40 s before leaving the ground.

a. What is the plane's displacement ?

b. How fast was the airplane moving when it took off ?