

GRADE 12 PHYSICAL SCIENCES MARCH TEST

QUESTION 1

Various options are provided as possible answers to the following questions. Choose the correct answer and write **ONLY** the LETTER (A-D) next to the QUESTION NUMBER (1.1-1.7) on your folio paper. Example 1.8. D.

- 1.1 Which of the following pairs of compounds contains members of the same homologous series?
- A Ethanol and butane
 B Ethanol and ethanoic acid
 C Ethanol and propanoic acid
 D Ethanol and ethene
- 1.2 In which of the following cases would the resultant force acting on an object be equal to 0N.



- A A constant number of different ions are released.
 B A new element is formed and the original quantities of the elements are conserved.
 C An ionic substance gives up electrons to form a metal.
 D An ionic compound is made by combining acids.
- 1.3 Which of the statements below best describes Weightlessness?
- A An object is free of weight and falls towards the ground.
 B An object is free of weight and is not influenced by any forces.
 C An object is free of weight and is not influenced by any forces.
 D An object is free of weight and is not influenced by any forces.
- 1.4 The inertia of an object...
- A is measured by its mass and weight.
 B is the resistance to change in its state of motion.
 C is the resistance to change in its state of motion.
 D is the resistance to change in its state of motion.

- 1.5 An astronaut has a weight E_E on Earth. What distance, in terms of the radius of the Earth (r), will the astronaut be if his weight is a 1/4 of his weight (E_E) on the surface of the Earth?
- A r
 B $2r$
 C $4r$
 D $16r$

- 1.6 A box is pushed forward with a force of 100N but does not move. A possible reason for this is that:
- A Frictional force is zero.
 B Frictional force is equal to 100N.
 C Frictional force is less than 100N.
 D None of the above.
- 1.7 A box is pushed forward with a force of 100N but does not move. A possible reason for this is that:
- A Frictional force is zero.
 B Frictional force is equal to 100N.
 C Frictional force is less than 100N.
 D None of the above.

[14]

QUESTION 2

Three organic compounds (A, B and C) with different functional groups are given below.

A: 2,3-dimethyl-2-one



C: $\text{CH}_3\text{CH}_2\text{CH}_2\text{CH}_2\text{OH}$

- 2.1 Write down the functional group which is present in the cation to form such a variety of organic compounds. (2)
- 2.2 Define the term functional group. (2)
- 2.3 Write down the:
 2.3.1 IUPAC name of compound A. (2)
 2.3.2 IUPAC name of compound B. (2)

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exam schedules locations information current - Jun 02 2023

web final assessments in s and y courses august 28 30 2023 deferred exam period for students who missed an in person final exam in april 2023 or june 2023 this period

exam copies and re read requests office of the registrar - Nov 14 2021

dates deadlines faculty of arts science - Dec 16 2021

web processing time it can take at least three weeks to process your request you can only request a re read for a final exam after you have paid for a reproduction request of the

final exams faculty of arts science - Oct 06 2023

web final examinations are held at the end of each academic term during the final exam period final exams are either in

person or online and are scheduled at a specific time

final exam viewing current engineering undergraduates - Feb 27 2023

web on this page exam schedule conflicts students with conflicts in their final exam schedule must submit an exam conflict request via eservice during the notification period there is