

GRADE 11 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 (1.1-1.6) on your folio paper. Example 1.7: D.

 The graphs below show the relationship between the net force and the acceleration for two masses: X and Y.



Which one of the following statements is true?

- A ASSESSMENT PROPERTY.
- 8 Letterare constitution
- C VILLEGAN DAY
- D. Normal Commercial C
- 1.2 In which of the following cases would the resultant force acting on an object be equal to ON.
 - A decemporary obstacles accommodely
 - \$ 1800 beautiful from a trought of the little of the latest
 - Butter for the contract of the co
 - D. A. Martin, R. A. Grand D. Derman, M. B. Caller, C. L.
- 1.3 Which of the statements below best describes Weightlessness?
 - A Printer of the personal variable School Superior.
 - and significantly of second of the hydronical transportation.
 - Antiquirum numbrant exemple interpretarily growing a succession.
 - A three-description and source for an integration of the con-
- 1.4 The inertia of an object

Millions.

- A Parameterson and the
- 8 Comment or the language transport of Management
- C. Physician dray day a constraints
- D. Company of the Mathematical growth of the contraction
- 1.5 An astronaut has a weight F_i on Earth. What distance, in terms of the radius of the Earth (r), will the astronaut be if his weight is a 54 of his weight (F_i) on the

Physical Semann.

surface of the Earth?

- 31

S C

0

- 1.6 A box is pushed forward with a force of 100N but does not move. A possible reason for this is that:
 - A CONTRACTOR OF A
 - Million J. V. Serman, and South P. 1981.
 - C Thomas across to was true (1909).
 - D THE STATE AND

[12]

QUESTION 2

The grade 11 learners learn that there is more than one way to determine the resultant of two vectors. One way is the component method. They want to use this method to find the resultant of the forces acting on a bucket by the ropes from which the bucket is suspended. The bucket is suspended.

21 Set of the best of Committee

(2)

(19)

2.2 The tension in ripe P is 130N at an angle of 30" to the vertical and the tension in Q is 51 52N at 45" to the vertical.



Calculate the MAGNITUDIC of the:

221 Hot (4)

222 W. Hartingowen at Fair December (4)

2.2.3 Resultant of the horizontal components. (1)

2.2.4 Resultant of the vertical components. (1)

225 Section the Supposition of Street Name (6)

23 Laurel - Common of the Notice (C)

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