



basic education

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Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL
SENIOR CERTIFICATE

GRADE 11

PHYSICAL SCIENCES: PHYSICS (P1)

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FULL MEMORANDUM
GRADE 11 PHYSICS
FINAL EXAM

Physical Sciences/P1

Grade 11

November 2018

QUESTION 1: MULTIPLE-CHOICE QUESTIONS

Various options are provided as possible answers to the following questions. Indicate the correct option by writing (A), (B), (C) or (D) in the answer space, e.g. 1.1 (A).

1.1. The velocity of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.2. The acceleration of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.3. The displacement of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.4. The distance of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.5. The time of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.6. The mass of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.7. The weight of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.8. The force of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.9. The pressure of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.10. The temperature of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.11. The energy of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.12. The power of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.13. The momentum of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.14. The impulse of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.15. The work of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

1.16. The heat of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity with a direction.
- (D) a vector quantity with a direction.

Physical Science Exemplar P1 2013 Memorandum Grade 11

M Walker



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