



basic education

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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 that can be negative.
- (D) a vector quantity that can be negative.

1.2. The acceleration of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity that can be negative.
- (D) a vector quantity that can be negative.

1.3. The displacement of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity that can be negative.
- (D) a vector quantity that can be negative.

1.4. The distance of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity that can be negative.
- (D) a vector quantity that can be negative.

1.5. The speed of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity that can be negative.
- (D) a vector quantity that can be negative.

1.6. The magnitude of the velocity of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity that can be negative.
- (D) a vector quantity that can be negative.

1.7. The direction of the velocity of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity that can be negative.
- (D) a vector quantity that can be negative.

1.8. The direction of the acceleration of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity that can be negative.
- (D) a vector quantity that can be negative.

1.9. The direction of the displacement of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity that can be negative.
- (D) a vector quantity that can be negative.

1.10. The direction of the distance of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity that can be negative.
- (D) a vector quantity that can be negative.

1.11. The direction of the speed of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity that can be negative.
- (D) a vector quantity that can be negative.

1.12. The direction of the magnitude of the velocity of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity that can be negative.
- (D) a vector quantity that can be negative.

1.13. The direction of the direction of the velocity of an object is

- (A) a scalar quantity.
- (B) a vector quantity.
- (C) a scalar quantity that can be negative.
- (D) a vector quantity that can be negative.

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web jan 11 2021 the opengl shading language is a c style language so it covers most of the features you would expect with such a language control structures for loops if else statements etc exist in glsl including the switch statement this section will not cover the entire language in detail the glsl specification can handle that

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