



basic education

Department
Basic Education
REPUBLIC OF SOUTH AFRICA

NATIONAL
SENIOR CERTIFICATE

GRADE 11

PHYSICAL SCIENCES: PHYSICS (P1)

NOVEMBER 2018

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FULL MEMORANDUM GRADE 11 PHYSICS FINAL EXAM

Physical Sciences/Ph

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. A car starts from rest and accelerates uniformly. The distance it travels in 10 s is 100 m. The distance it travels in 20 s is

- (A) 200 m
(B) 400 m
(C) 800 m
(D) 1600 m

1.2. A car starts from rest and accelerates uniformly. The distance it travels in 10 s is 100 m. The distance it travels in 20 s is

- (A) 200 m
(B) 400 m
(C) 800 m
(D) 1600 m

1.3. A car starts from rest and accelerates uniformly. The distance it travels in 10 s is 100 m. The distance it travels in 20 s is

- (A) 200 m
(B) 400 m
(C) 800 m
(D) 1600 m

1.4. A car starts from rest and accelerates uniformly. The distance it travels in 10 s is 100 m. The distance it travels in 20 s is

- (A) 200 m
(B) 400 m
(C) 800 m
(D) 1600 m

1.5. A car starts from rest and accelerates uniformly. The distance it travels in 10 s is 100 m. The distance it travels in 20 s is

- (A) 200 m
(B) 400 m
(C) 800 m
(D) 1600 m

1.6. A car starts from rest and accelerates uniformly. The distance it travels in 10 s is 100 m. The distance it travels in 20 s is

- (A) 200 m
(B) 400 m
(C) 800 m
(D) 1600 m

1.7. A car starts from rest and accelerates uniformly. The distance it travels in 10 s is 100 m. The distance it travels in 20 s is

- (A) 200 m
(B) 400 m
(C) 800 m
(D) 1600 m

1.8. A car starts from rest and accelerates uniformly. The distance it travels in 10 s is 100 m. The distance it travels in 20 s is

- (A) 200 m
(B) 400 m
(C) 800 m
(D) 1600 m

1.9. A car starts from rest and accelerates uniformly. The distance it travels in 10 s is 100 m. The distance it travels in 20 s is

- (A) 200 m
(B) 400 m
(C) 800 m
(D) 1600 m

1.10. A car starts from rest and accelerates uniformly. The distance it travels in 10 s is 100 m. The distance it travels in 20 s is

- (A) 200 m
(B) 400 m
(C) 800 m
(D) 1600 m



The car starts from rest and accelerates uniformly.

- (i) Calculate the car's acceleration.
(ii) Calculate the car's final velocity.
(iii) Calculate the car's final displacement.

Which of the statements above are CORRECT?

- (A) (i) and (ii)
(B) (ii) and (iii)
(C) (i) and (iii)
(D) (i), (ii) and (iii)

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