NOVEMBER 2019 EBS 227 GENERAL PHYSICS 30 MINUTES

GROUP B

CANDIDATE'S INDEX NUMBER: ABCE PRI 18 0156 SIGNATURE:

UNIVERSITY OF CAPE COAST COLLEGE OF EDUCATION STUDIES SCHOOL OF EDUCATIONAL DEVELOPMENT AND OUTREACH

INSTITUTE OF EDUCATION

FOUR YEAR B.ED - SECOND YEAR FIST SEMESTER

ZONAL - BASED QUIZ 1 (EGA)

- 1. Which of the following will you not use to measure length?
 - A. Vernier calipers
 - B. Meter rule
 - C. Odometer
 - Spring balance
- 2. The magnitude of an electric current is given as the ratio of the electric charge measured in coulombs to the time measured in seconds. What is the derived unit of electric current?
 - (a) Coulomb per second
 - B. Second per coulomb
 - C. Coulomb
 - D. Second
- 3. A boy travelled from Kofikrom to Amakom by bus. If the distance between the two towns is 8km? What is the distance covered by the man in meters?
 - A. 800m
 - B. 0.08m
 - C. 8m
 - (D.) 8000m
- 4. Which of the following measuring instruments will you use to measure the length of a curved straight line?
 - (A.) Opisometer
 - B. Meter rule
 - C. Micrometer screw gauge
 - D. Vernier calipers
- 5. Consider the equation, $\alpha = \beta + \theta \alpha$

bonus

- A. ML³
- B. ML⁻² ML⁻³
- D. ML^2

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(D.) Inertial

15. Which of the following symbols represent the SI unit of work?

A. A B. Jm C Nm D. W

16. A cuboid of mass of 120 grams is 2cm wide, 3cm high and 4cm long. What is its density?

- A. 0.2kgm-3
- B. 2 kgm-³
- C. 0.5 kgm-3
- (D) 5 kgm⁻³
- 17. Convert 450g to kg.
 - A. 0.0045kg
 - 💓 0.045kg
 - .C. 0.45kg
 - D. 4.5kg

18. A and B are in thermal equilibrium. This means that

Lonus

- (A) A and B have the same temperature,
- B. A has a higher temperature than B
- C. A is transmitting heat to B
- D. B has a higher temperature than A
- 19. The force in fluids that makes objects weigh less than they do when outside the fluid is called upthrust

20. Differentiate between force of gravity and gravitational force.

tsog o. yskg

Differentiate between force of gravity and gravitational force. Free of gravity is the free exerted on the body whiles gravitational free is the gravity exerted on the body. of grav 15 4

