

KANKOR EXAMINATION

Physics – Practice Question Paper | Set 4

20 Multiple-Choice Questions	Practice Set	English Language
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Instructions: Choose the best answer. Mark one option (A, B, C or D) for each question.

Section A

Q1. A convex lens generally:

- A. diverges light
- B. converges light
- C. absorbs light
- D. blocks light

Q2. Sound cannot travel through:

- A. air
- B. water
- C. steel
- D. vacuum

Q3. The SI unit of power is:

- A. Joule
- B. Watt
- C. Newton
- D. Volt

Q4. A transformer works with:

- A. DC only
- B. AC
- C. static charge only
- D. light

Q5. Momentum equals:

- A. mass $\times$ velocity
- B. mass $\times$ acceleration
- C. force $\times$ time only
- D. energy/time

Section B

Q6. Which is a renewable energy source?

- A. coal
- B. petroleum
- C. solar energy
- D. natural gas

Q7. The unit of resistance is:

- A. Ohm
- B. Ampere
- C. Volt
- D. Watt

Q8. A rainbow is mainly produced by:

- A. reflection only
- B. dispersion of light
- C. sound waves
- D. magnetism

Q9. The SI unit of force is:

- A. Joule

- B. Newton
- C. Watt
- D. Pascal

Q10. Speed is defined as:

- A. distance/time
- B. time/distance
- C. mass/volume
- D. force/area

Section C

Q11. Which law relates force, mass and acceleration?

- A. Newton's first
- B. Newton's second
- C. Newton's third
- D. Ohm's law

Q12. The SI unit of electric current is:

- A. Volt
- B. Ohm
- C. Ampere
- D. Coulomb

Q13. A device used to measure electric current is:

- A. Voltmeter
- B. Ammeter
- C. Barometer
- D. Thermometer

Q14. Light travels fastest in:

- A. glass
- B. water
- C. air
- D. vacuum

Q15. The unit of frequency is:

- A. Hertz
- B. Newton
- C. Joule
- D. Tesla

Section D

Q16. Work is done when a force causes:

- A. mass
- B. displacement
- C. temperature
- D. pressure

Q17. The energy possessed by a moving object is:

- A. potential
- B. kinetic
- C. chemical
- D. nuclear

Q18. Which quantity has both magnitude and direction?

- A. speed
- B. mass
- C. velocity
- D. time

Q19. The acceleration due to gravity near Earth is approximately:

- A. 4.9 m/s^2
- B. 9.8 m/s^2
- C. 19.6 m/s^2
- D. 98 m/s^2

Q20. Ohm's law is:

- A. $V=IR$
- B. $P=VI$
- C. $F=ma$
- D. $W=mg$

Answer Key

1. B	2. D	3. B	4. B	5. A
6. C	7. A	8. B	9. B	10. A
11. B	12. C	13. B	14. D	15. A
16. B	17. B	18. C	19. B	20. A

Note: This is an original Kankor-style practice paper, not an official past examination paper.