Important Physics MCQs-2

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1 ._____ is the SI unit of solid angle.

A. candela

B. steradian

C. degree

D. radian

E. revolution

☐ **Answer - Click Here:**

B

2. Unit of the amount of substance is

A. mole

B. joule

D. amount of substance

E. intensity of light

☐ **Answer - Click Here:**

A

3. How can we reduce random errors

A. comparing the instrument with another more accurate one

B. taking mean of several measurements

C. taking zero correction

D. all A, B, and C are correct

E. none of the above

☐ **Answer - Click Here:**

C

4. The solid angle is represented by

A. cd

B. rad

C. sr

D. none of the above

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Set 1: Basic Physics
Set 2: Basic Physics
Set 3: Basic Physics
Set 4: Basic Physics
Set 5: Basic Physics
Set 6: Basic Physics
Set 7: Basic Physics
Set 8: Basic Physics
Set 9: Basic Physics
Set 10: Basic Physics
Set 11: Basic Physics
Set 12: Basic Physics
Set 13: Basic Physics
Set 14: Modern Physics
Set 15: Applied Physics
Set 16: Applied Physics
Set 17: Applied Physics
Set 18: Applied Physics
Set 19: Applied Physics
Set 19: Atomic and Nuclear Physics
Set 20: Heat and Thermodynamics
Set 21: Physical Optical Physics
Set 22: Physical Optical Physics
Set 23: Oscilations Physics
Set 24: Nuclear Physics
Set 25: Nuclear Physics
Set 26: Nuclear Physics
Set 27: Nuclear Physics
Set 28: Plasma Physics
Set 29: Basic Physics
Set 30: Basic Physics
Set 31: Work and Energy
Set 32: Waves Physics
Set 33: Solid State Physics
States of physics MCQs Questions Answers
Dawn of Physics MCQs
Alternating Current Physics Solved MCQs Questions Answers
Work And Energy MCQs
Fluid Dynamics Solved MCQs Questions Answers
MCQs Newton Laws of motion – Solved questions answers
Momentum MCQs – Physics

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☐ **Answer - Click Here:**

C

5. scalar physical quantity is completely specified by

A. a number with proper units

B. a direction only

C. a number only

D. a number with a direction

☐ **Answer - Click Here:**

A

6. which of the following is an example of the scalar quantity

A. velocity

B. torque

C. acceleration

D. energy

E. speed

☐ **Answer - Click Here:**

D

7. which of the following is the vector quantity

A. charge

B. impulse

C. density

D. power

☐ **Answer - Click Here:**

B

8. There are two forces 5N and 12N making an angle 90° with each other is,

A. 14N

B. 15N

C. 7N

D. 17N

E. 13N

☐ **Answer - Click Here:**

E

9. What is the angle between two rectangular components of any vector?.

A. 90°

B. 180°

C. 50°

D. 30°

☐ **Answer - Click Here:**

A

10. Torque is also defined as

A. moment of inertia

B. moment of force

C. angular velocity

D. moment of arm

E. none of the above

☐ **Answer - Click Here:**

B

11. what will be the angle____ when the Dot product of two non-zero vectors is zero.

A. 180°

B. 90°

C. 30°

D. 40°

☐ **Answer - Click Here:**

A

12. Two vectors is negative when the Scalar product is

A. an anti-parallel vector

B. a parallel vector

C. parallel with some magnitude

D. a perpendicular vector

☐ **Answer - Click Here:**

A

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