

# MEASUREMENT AND SI UNITS BASED GENERAL SCIENCE MCQ PRACTICE QUESTIONS AND ANSWERS PDF WITH EXPLANATION

For All Competitive SSC, Bank, IBPS, UPSC, Railway, IT & Other Govt. Exams

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**Q1.** Which one of the following is the unit of measure of the thickness of the ozone layer of the atmosphere?

- a) Poise
  - b) Knot
  - c) Dobson
  - d) Maxwell
- 

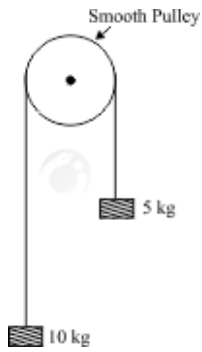
**Q2.** One pikogram is equal to

- a)  $10^{-12}$  gram
  - b)  $10^{-6}$  gram
  - c)  $10^{-9}$  gram
  - d)  $10^{-15}$  gram
- 

**Q3.** Mass is the measure of

- a) force
  - b) matter contained
  - c) weight
  - d) none of these
- 

**Q4.** In the system shown, the masses are released from rest. What shall be the acceleration of the moving masses ?



- a)  $g/3$
- b)  $g$
- c)  $2g/3$
- d)  $g/2$

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**Q5.** Which unit of measurement is multiplied by 0.39 to convert it to 'inches'?

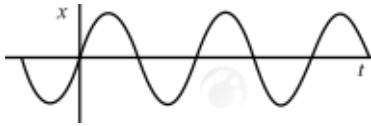
- a) Metre
- b) Millimetre
- c) Centimetre
- d) Decimetre

**Q6.** An object is in uniform circular motion on a plane. Suppose that you measure its displacement from the centre along one direction, say, along the x-axis. Which one among the following graphs could represent this displacement (x)?

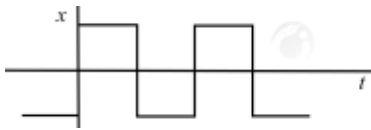
a)



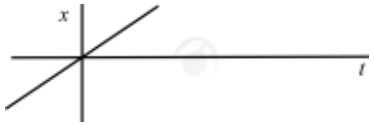
b)



c)



d)



**Q7.** Match List-I with List-II and select the correct answer using the code given below the lists.

List I	List II
A. Cusec	1. Pressure
B. Byte	2. Intensity of Earthquake
C. Richter	3. Rate of flow
D. Bar	4. Computer

Code: (A) (B) (C) (D)

a) 4 3 2 1

b) 1 2 3 4

c) 3 4 2 1

d) 3 4 1 2

**Q8.** 'Dobson' unit is used for the measurement of

a) Thickness of Ozone layer

b) Thickness of Earth

c) Thickness of Diamond

d) Measurement of Noise

**Q9.** Light year is the unit of

- a) Speed of light
  - b) Distance
  - c) Time
  - d) Intensity of light
- 

**Q10.** Match List I (Physical quantity) with List II (Units) and select the correct answer using the codes given below the lists.

List I (Physical quantity)	List II (Units)
A. Power	1. $\text{kg ms}^{-1}$
B. Energy	2. $\text{kg m}^{2\text{s}^{-1}}$
C. Momentum	3. $\text{Nm}^{-2}$
D. Pressure	4. kW
	5. kWh

Code: (A) (B) (C) (D)

- a) 5 4 1 2
  - b) 4 5 1 3
  - c) 4 5 1 2
  - d) 5 4 2 3
- 

**Q11.** What is the correct sequence in which the lengths of the following units increase?

- Angstrom
- Micron
- Nanometer

Select the correct answer using the code given below:

- a) 1, 3, 2
  - b) 1, 2, 3
  - c) 3, 1, 2
  - d) 2, 3, 1
-

**Q12.** The SI unit of electrical resistance of conductor is

- a) Ampere
- b) Faraday
- c) Volts
- d) Ohm-metre

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**Q13.** Pascal is a unit of measuring

- a) Rainfall
- b) Humidity
- c) Pressure
- d) Temperature

**Q14. Assertion :**

Number of significant figures in 0.005 is one and that in 0.500 is three.

**Reason :**

This is because zeros are not significant.

- a) If Assertion is correct but Reason is incorrect.
- b) If both Assertion and Reason are correct and Reason is the correct explanation of Assertion.
- c) If both Assertion and Reason are correct, but Reason is not the correct explanation of Assertion.
- d) If Assertion is incorrect but Reason is correct.

**Q15.** Match List I (Items) with List II (Unit of length) and select the correct answer by using the codes given below the lists.

**List I (Items)**

**List II (Unit of length)**

A. Distance between earth and stars	1. Microns
B. Interatomic distances in a solid	2. Angstroms
C. Size of the nucleus	3. Light years
D. Wavelength of infrared laser	4. Fermi
	5. kilometres

Code: (A) (B) (C) (D)

a) 5 2 4 3

b) 5 4 2 1

c) 3 2 4 1

d) 3 4 1 2

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**Answers to the above questions :**

**Q1. Answer: (c)**

**Q2. Answer: (a)**

**Q3. Answer: (b)**

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**Q4. Answer: (a)**

**Q5. Answer: (c)**

**Q6. Answer: (b)**

**Q7. Answer: (c)**

**Q8. Answer: (a)**

**Q9. Answer: (b)**

**Q10. Answer: (b)**

**Q11. Answer: (a)**

**Q12. Answer: (d)**

**Q13. Answer: (c)**



**Q14. Answer: (a)**

**Q15. Answer: (d)**

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