

OBJECTIVE TYPE QUESTIONS**Chapter # 1****THE SCOPE OF PHYSICS**

1. Physics can be defined as the study of:
 - (a) Chemical Properties of matter
 - (b) Physical properties of matter
 - (c) Relation between matter and energy
 - (d) Both (b) and (c)
2. Physics can be defined as a branch of science based on a:
 - (a) Aberration and analysis of facts
 - (b) Experimental observation and quantitative measurement.
 - (c) Mathematical calculation and interpretation.
 - (d) Replication and verification of known facts.
3. The branch of physics deals with the study if production propagation and properties:
 - (a) Magnetics
 - (b) Optics
 - (c) Statics
 - (d) Acoustics
4. High energy physics deal with the:
 - (a) Study of electron behavior
 - (b) Study of electronic charges
 - (c) Study of mechanics of energetic bodies.
 - (d) Study of properties and behavior of elementary particles.
5. The ancient Greeks originated the idea that:
 - (a) Matter and energy are the same thing
 - (b) Perpetual motion is not possible.
 - (c) Matter is discontinues
 - (d) Matter does not exist in different forms.
6. Archimedes the Greek physicist has made significant contributions in the field of.
 - (a) High energy physics and electronics
 - (b) Nuclear and atomic Physics
 - (c) Mechanics hydraulics and hydrostatics
 - (d) Special theory of relativity
7. Al-Beruni is famous for finding out the
 - (a) Distance of moon from earth
 - (b) Mass of the earth
 - (c) Diameter of earth's orbit
 - (d) Circumference of the earth
8. The book "Kitab-ul-Qanoon-ul-Masoodi" was written by
 - (a) Iben-e-Sina
 - (b) Al-Razi
 - (c) Abu-Rehan Al-Beruni
 - (d) Ibn-al-Haitham
9. Dr. Asalam was awarded noble Prize for has work on.
 - (a) Electronics
 - (b) Radiations
 - (c) Optics
 - (d) Grand unification theory
10. The first book on analytical "Hisab-ul-jabrwai-Mogab" was written by:
 - (a) Al-Khawarzmi
 - (b) Al-Beruni
 - (c) Al-Razi
 - (d) Ibn-e-sina
11. "Kitab-ul-Manazir" the famous book on optical is written by
 - (a) Ibn-e-Sina
 - (b) Al-Khawarzmi
 - (c) Jabir-bin-Hayan
 - (d) Ibn-ul-Hailham
12. In international system of units, the length mass time electric current temperature, intensity of light and quantity of light and quantity are called
 - (a) Derived
 - (b) basic
 - (c) Fundamental
 - (d) only (b) and (c)
13. Written of the flowing physical quantity will be different units as compared to that of others:
 - (a) Weight
 - (b) Tension
 - (c) Buoyant Force
 - (d) Electromotive Force
14. Which one of the following is not of the same quantity?
 - (a) Horse
 - (b) Calorie
 - (c) Joules
 - (d) BTU
15. The S.I unit of current is:
 - (a) one volt
 - (b) One
 - (c) One ampere
 - (d) One ohm-m
16. The famous mathematical and the founder of algebra was.
 - (a). Al Kindi
 - (b) AL Khwarizmi
 - (c). Al Beruni
 - (d) Naserudin tusi
17. Light year is a unit of
 - (a). Distance
 - (b) Light
 - (c) Time
 - (d) Pressure
18. Some of the basic S.I. units are:
 - (a) Second Ampere mole
 - (b) Kelvin Ampere watt
 - (c) Candela Mole volt
 - (d) Meter Second watt
19. 10^{-9} second are equivalent to:
 - (a) Deci Second
 - (b) Nano Second
 - (c) Milli second
 - (d) Micro second

20. The S. I unit of temperature is:
 (a) Fahrenheit (b) Kelvin (c) Centigrade (d) Farad
21. One Angstrom equal
 (a) 10^{-8} cm (b) 10^8 m (c) 10^{-6} (d) 10^8 mm
22. In Physics the term "dimension" represent the:
 (a) mechanical nature of a quantity (b) chemical nature of quantity
 (c) Physical nature of quantity (d) electric nature of quantity
23. Dimension of pressure is:
 (a) $ML^{-1}T^{-2}$ (b) $ML^{-2}T^{-3}$ (c) $ML^{-2}T^{-4}$ (d) MLT^{-1}
24. Which one of the following represents the dimension of power
 (a) L^2T^2 (b) MLT^2 (c) ML^2T^3 (d) $ML^{-2}T$
25. Which one of the following represent dimension for the unit of torque.
 (a) M^2LT^2 (b) ML^2T^2 (c) M^2LT^2 (d) MLT^2
26. 0.0084 has _____ significant figure.
 (a) 2 (b) 4 (c) 5 (d) 1
27. The dimension of angular momentum similar to that of.
 (a) energy (b) heat (c) Plank's constant (d) work

ANSWERS

1	2	3	4	5	6	7	8	9	10
d	b	d	d	a	c	d	C	d	a
11	12	13	14	15	16	17	18	19	20
d	d	d	a	c	b	a	A	b	b
21	22	23	24	25	26	27			
a	c	a	c	b	a	c			