**Units & Measurements**

**Question No. 01**
1 Inch = ______ Centimeter
(A) 3
(B) 2.54
(C) 2.7
(D) 2.67
Answer: Option B

**Question No. 02**
What is the unit for measuring the amplitude of a sound?
(A) Decibel
(B) Coulomb
(C) Hum
(D) Cycles
Answer: Option A

**Question No. 03**
One nanometer is equal to
(A) $10^{-6}$ m
(B) $10^{-8}$ m
(C) $10^{-9}$ m
(D) $10^{-5}$ m
Answer: Option C

**Question No. 04**
One fathom is equal to
(A) 6 feet
(B) 6 meters
(C) 60 feet
(D) 100 cm
Answer: Option A

**Question No. 05**
Light year is a measurement of
(A) Speed of aeroplanes
(B) Speed of light
(C) Stellar distances
(D) Speed of rockets
Answer: Option C
Question No. 06
One kilometre is equal to how many miles?
   (A) 0.84
   (B) 0.5
   (C) 1.6
   (D) 0.62
Answer: Option D

Question No. 07
'Bar' is the unit of
   (A) Temperature
   (B) Heat
   (C) Atmospheric pressure
   (D) Current
Answer: Option C

Question No. 08
Nautical mile is a unit of distance used in
   (A) Navigation
   (B) Road mile
   (C) Astronomy
   (D) Measuring the boundaries of a nation
Answer: Option A

Question No. 09
How many Dynes are there in 1 gram weight?
   (A) 900
   (B) 375
   (C) 981
   (D) 250
Answer: Option C

Question No. 10
Joule is the unit of
   (A) Temperature
   (B) Pressure
   (C) Energy
   (D) Heat
Answer: Option C

Question No. 11
How many Ergs are there in 1 joule?
   (A) $10^2$
   (B) $10^4$
   (C) $10^6$
Question No. 12
Very small time intervals are accurately measure by
(A) White dwarfs
(B) Quartz clocks
(C) Atomic clocks
(D) Pulsars
Answer: Option C

Question No. 13
Electric current is measure by
(A) Commutator
(B) Anemometer
(C) Ammeter
(D) Voltmeter
Answer: Option C

Question No. 14
One horse power is equal to
(A) 746 watts
(B) 748 watts
(C) 756 watts
(D) 736 watts
Answer: Option A

Question No. 15
Kilowatt is a unit to measure
(A) Work
(B) Power
(C) Electricity
(D) Current
Answer: Option B

Question No. 16
Kilohertz is a unit which measures
(A) Power used by a current of one ampere
(B) Electromagnetic radio wave frequencies
(C) Voltage
(D) Electric resistance
Answer: Option B

Question No. 17
One Joule is equal to

(D) \(10^7\)
Answer: Option D
(A) $10^5$ ergs
(B) $10^3$ ergs
(C) $10^7$ ergs
(D) $10^{11}$ ergs
Answer: Option C

**Question No. 18**
Fathom is the unit of
(A) Sound
(B) Depth
(C) Frequency
(D) Distance
Answer: Option B

**Question No. 19**
Reading of a barometer going down is an indication of
(A) Snow
(B) Storm
(C) Intense heat
(D) Rainfall
Answer: Option D

**Question No. 20**
A chronometer measures
(A) Colour contrast
(B) Sound waves
(C) Time
(D) Water waves
Answer: Option C

**Question No. 21**
Knot is a unit of speed of which of the following?
(A) Aeroplane
(B) Light waves
(C) Ship
(D) Sound waves
Answer: Option C

**Question No. 22**
The unit of current is
(A) Ohm
(B) Watt
(C) Ampere
(D) None of the above
Answer: Option C
Question No. 23
The unit of energy in MKS system is
(A) Volt
(B) Erg
(C) Ohm
(D) Joule
Answer: Option D

Question No. 24
The instrument used to measure electric current is
(A) Ammeter
(B) Electrometer
(C) Galvanometer
(D) Spectrometer
Answer: Option A

Question No. 25
Name the instrument used to measure relative humidity
(A) Hydrometer
(B) Hygrometer
(C) Barometer
(D) Mercury Thermometer
Answer: Option B

Question No. 26
Nautical mile is a unit of distance in
(A) Navigation
(B) Space
(C) Aviation
(D) None of these
Answer: Option A

Question No. 27
HP stands for
(A) Harmonic Progression
(B) Horse Power
(C) Both (A) and (B)
(D) None of the above
Answer: Option C

Question No. 28
Which temperature in Celsius scale is equal to 300 K?
(A) 30°C
(B) 27°C
(C) 300°C
Question No. 29
Richter scale is used for measuring
(A) Density of liquid
(B) Intensity of earthquakes
(C) Velocity of wind
(D) Humidity of air
Answer: Option B

Question No. 30
The instrument used in IC Engine to charge air with fuel vapour is:
(A) Carburettor
(B) Dynamometer
(C) Fuel Pump
(D) Fuel Injector
Answer: Option A

Question No. 31
The instrument used in aircrafts to measure the altitude above a fixed level is:
(A) Ammeter
(B) Audiometer
(C) Anemometer
(D) Altimeter
Answer: Option D

Question No. 32
Hygrometer is used to measure
(A) Relative humidity
(B) Purity of milk
(C) Specific gravity of liquid
(D) None of the above
Answer: Option A

Question No. 33
Which of the following instruments is used for recording “Earthquake waves”?
(A) Barograph
(B) Hydrograph
(C) Pantograph
(D) Seismograph
Answer: Option D

Question No. 34
Which of the following is not a unit of time?
Question No. 35
Light Year is related to
(A) Energy
(B) Speed
(C) Distance
(D) Intensity
Answer: Option C

Question No. 36
The energy of food is measured in
(A) Kelvin
(B) Calories
(C) Bushel
(D) None of the above
Answer: Option B

Question No. 37
The SI unit of __________ is named after Andre Marie Ampere.
(A) Power
(B) Potential difference
(C) Electric current
(D) Energy
Answer: Option C

Question No. 38
What is the S.I. unit of temperature?
(A) Kelvin
(B) Celsius
(C) Centigrade
(D) Fahrenheit
Answer: Option A

Question No. 39
The telescope is used for viewing
(A) Distant objects
(B) Near objects
(C) Small objects
(D) Living cells
Answer: Option A
Question No. 40
Velocity of wind is measured by
(A) Speedometer
(B) Tachometer
(C) Anemometer
(D) Audiometer
Answer: Option C

Question No. 41
Telescope is used to
(A) Distant objects in space
(B) Distant objects in water
(C) To view tiny Objects
(D) None of these
Answer: Option A

Question No. 42
Lux is the SI unit of
(A) Intensity of illumination
(B) Luminous efficiency
(C) Luminous flux
(D) Luminous intensity
Answer: Option A

Question No. 43
Moment of inertia is
(A) Vector
(B) Scalar
(C) Phasor
(D) Tensor
Answer: Option D

Question No. 44
One thousand microns is equal to
(A) $10^{-3}$ m
(B) $10^{-6}$ m
(C) $10^{-9}$ m
(D) $10^{-12}$ m
Answer: Option A

Question No. 45
1 Kilogram = _____ Pound
(A) 2
(B) 2.5
(C) 2.2
Question No. 46
Pa (Pascal) is the unit for
(A) Thrust
(B) Pressure
(C) Frequency
(D) Conductivity
Answer: Option B

Question No. 47
One watt-hour is equivalent to
(A) $6.3 \times 10^3 \text{ J}$
(B) $6.3 \times 10^{-7} \text{ J}$
(C) $3.6 \times 10^3 \text{ J}$
(D) $3.6 \times 10^{-3} \text{ J}$
Answer: Option C

Question No. 48
A transformer is used to
(A) Increase DC voltage
(B) Increase or decrease AC voltage
(C) Decrease DC voltage
(D) Convert DC into AC
Answer: Option B

Question No. 49
Device used to rectify farsightedness is
(A) Concave lens
(B) Convex lens
(C) Spherical lens
(D) Plane glass
Answer: Option B

Question No. 50
At what temperature do both the Centigrade and the Fahrenheit thermometers show the same reading?
(A) -20°
(B) -40°
(C) 42°
(D) 0°
Answer: Option B