MDCAT 2020

TEST RESULT

Practice Test-1 (Measurement)

10

10 min

06-Jun-2020

38 sec

Result Detail

Incorrect 4/10

Q : Units of power in terms of base units

A watt

B J/s

C $kgm^2s^{-3}$

D $kgm^2s^{-2}$

## Explanation

$$watt = \frac{J}{s} = \frac{N\,m}{s} = \frac{(kgms^{-2})m}{s} = k$$

Incorrect 4/10

Q : Units of power in terms of base units

A watt

B J/s

C $kgm^2s^{-3}$

D $kgm^2s^{-2}$

Explanation

$$\frac{J}{s} = \frac{N\,m}{s} = \frac{(kgms^{-2})m}{s} = kgm^2s^{-3}$$

MDCAT 2020

Q : Which of the following pairs have not the same units?

A Torque and angular momentum

B Young's modulus and pressure

C Torque and work

D Work and energy

## Explanation

Torque =Fr = Nm
Angular momentum =mvr = kgm/s m = $kgm^2/s^2$ s = Js

MDCAT 2020

Incorrect

Q 3/10

Q : The unit of power is

A kilowatt

B kilowatt-hour

C dyne

D joule

## Explanation

kilowatt is a unit of power.

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Q : The unit of electric field is equivalent to

A $NC^{-1}$

B $JC^{-1}m^{-1}$

C $Vm^{-1}$

D All of these

## Explanation

$$E = \frac{-\Delta V}{\Delta r} = \frac{V}{m}, E = \frac{F}{q_o} = \frac{N}{C}$$

$$\therefore Vm^{-1} \quad \frac{J}{m^{-1}} \quad JC^{-1}m^{-1}$$

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A $NC^{-1}$

B $JC^{-1}m^{-1}$

C $Vm^{-1}$

D All of these

## Explanation

$$E = \frac{-\Delta V}{\Delta r} = \frac{V}{m}, E = \frac{F}{q_o} = \frac{N}{C}$$

$$\Rightarrow Vm^{-1} = \frac{J}{C}m^{-1} = JC^{-1}m^{-1}$$

Incorrect Q 5/10

Q : Which of the following is not the unit of time?

A Leap year

B Lunar month

C Solar day

D Parallactic second

## Explanation

Parallactic second is unit of distance

Incorrect Q 6/10

Q : **Steradian is the SI unit of:**

A Plane Angle

B Solid Angle

C Mass

D Force

## Explanation

Steradian is the unit of 3-Dimensional angle (solid angle).

MDCAT 2020

Q : Unit of energy is

A Js

B Jm

C kilowatt

D watt.s

## Explanation

$$P = \frac{W}{t} = \frac{Energy}{time}$$

$$Energy = pt \Rightarrow J = W.S$$

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Q : Which one is not measured in units of energy?

A Fd

B $\frac{1}{2} LI^2$

C I × t

D QV

## Explanation

I × t is not measured in units of energy because I×t is charge not energy and all others can be measured in units of

energy?

A Fd

B $\frac{1}{2} LI^2$

C I × t

D QV

## Explanation

I × t is not measured in units of energy because I×t is charge not energy and all others can be measured in units of energy.

Q : The different magnitudes of same physical quantities are measured by comparing them to.

A available scale

B standard size

C each other

D other physical quantities

## Explanation

The different magnitudes of same physical quantities are measured by comparing them to standard size.

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TEST RESULT

Practice Test-2 (Measurement)

10

10 min

07-Jun-2020

60 sec

Result Detail

Practice Test-2 (Measurement)

MDCAT 2020

Correct

Unattempted

Incorrect

Q 1/10

Q : A student takes 100 observations in an experiment. Second time he takes 500 observations in the same experiment. By doing so the possible error becomes

A 5 times greater

B 1/5 times lesser

C 10 times greater

D 1/10 times lesser

1 2 3 4 5 6 7

observations in the same experiment. By doing so the possible error becomes

A 5 times greater

B 1/5 times lesser

C 10 times greater

D 1/10 times lesser

## Explanation

Possible error has decreased due to the increase in the number of observations.

$$\text{Reduction in the possible error} = \frac{\text{Error i}}{\text{Error}}$$

observations in the same experiment. By doing so the possible error becomes

A 5 times greater

B 1/5 times lesser

C 10 times greater

D 1/10 times lesser

## Explanation

eased due to the
of observations.

$$\text{le error} = \frac{\text{Error in 100 observations}}{\text{Error in 500 observations}} = \frac{1}{5}$$

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Q : Repeating measurement several times and taking an average can reduce the effect of:

A systematic error

B random error

C personal error

D all of these

## Explanation

A remdy of random errror

Practice Test-2 (Measurement)

MDCAT 2020

Correct

Unattempted

Incorrect

Q 3/10

Q : Errors which occurs due to some definite rule is:

A personal error

B random error

C systematic error

D uncertain error

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Q : The density of a cube is measured by measuring its mass and the length of its side. If the maximum errors in the measurement of mass and length are 3% and 2%, respectively, then maximum error in the measurement of density is

A 1 %

B 5 %

C 7 %

D 9 %

Explanation

A 1 %

B 5 %

C 7 %

D 9 %

## Explanation

$\rho = \frac{m}{\ell^3}$ ; % age unc. of $\rho$ =(% unc. of

Second method;

$$\frac{\Delta\rho}{\rho} = \frac{\Delta m}{m} + \frac{3\Delta\ell}{\ell} \Rightarrow \%\ unc. = \frac{\Delta\rho}{\rho} \times 10$$

A 1 %

B 5 %

C 7 %

D 9 %

## Explanation

$s) + 3(\%\ unc.\ of\ \ell) = (3\%) + 3(2\%) = 9\%$

$+3(2) = 9\ \%$

Incorrect Q 5/10

Q : The absolute uncertainty of screw gauge is

A 0.01 cm

B 0.01 mm

C 0.001 mm

D 0.1 cm

## Explanation

basic concept

Q : Any measurement taken from an instrument will be more precise, if instrument has

A large absolute uncertainty

B small least count

C both a and b

D none of these

## Explanation

An instrument will be more precise which have small least count and less absolute unertainty.

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Q : The percentage uncertainty for V in relation of V = 3.3 v ± 0.1 V

A 2%

B 4%

C 3%

D 5%

## Explanation

$$V = \frac{\Delta V}{V} \times 100 = \frac{0.1}{3.3} \times 100$$

MDCAT 2020

Q : The percentage errors in the measurement of mass and speed are 2% and 3% respectively. How much will be the maximum error in the estimation of the kinetic energy obtained by measuring mass and speed

A 11%

B 8%

C 5%

D 1%

Explanation

kinetic energy obtained by measuring mass and speed

A 11%

B 8%

C 5%

D 1%

## Explanation

$KE=1/2mv^2$

\% Error in K.E. = % error in mass + 2 × % error in velocity

= 2 + 2 × 3 = 8%

MDCAT 2020

Q : A body travels uniformly a distance of (13.8 ±0.2) m in a time (4.0 ± 0.3) s. The velocity of the body within error limits is

A $(3.45 \pm 0.2)\ ms^{-1}$

B $(3.45 \pm 0.3)\ ms^{-1}$

C $(3.45 \pm 0.4)\ ms^{-1}$

D $(3.45 \pm 0.5)\ ms^{-1}$

## Explanation

Here, $S = (13.8 \pm 0.2)$m

error, we have, $S = 13.8 \pm \frac{0.}{}$

A $(3.45 \pm 0.2)\ ms^{-1}$

B $(3.45 \pm 0.3)\ ms^{-1}$

C $(3.45 \pm 0.4)\ ms^{-1}$

D $(3.45 \pm 0.5)\ ms^{-1}$

## Explanation

Here, $S = (13.8 \pm 0.2)$m

error, we have, $S = 13.8 \pm \frac{0.}{13}$

$\because V = \frac{s}{t} = \frac{13.8 \pm 1.4}{4 \pm 7.5} = (3.45 \pm 0.$

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A $(3.45 \pm 0.2)\ ms^{-1}$

B $(3.45 \pm 0.3)\ ms^{-1}$

C $(3.45 \pm 0.4)\ ms^{-1}$

D $(3.45 \pm 0.5)\ ms^{-1}$

## Explanation

$\pm 0.2)$m and $t = (4.0 \pm 0.3)$ sec

$= 13.8 \pm \frac{0.2}{13.8} \times 100$ and $t = 4$

$= (3.45 \pm 0.3)\ m/s.$

A $(3.45 \pm 0.2)\ ms^{-1}$

B $(3.45 \pm 0.3)\ ms^{-1}$

C $(3.45 \pm 0.4)\ ms^{-1}$

D $(3.45 \pm 0.5)\ ms^{-1}$

## Explanation

**3)** sec Expressing it in percentage

$$t = 4.0 \pm \frac{0.3}{4} \times 100$$

MDCAT 2020

Q : If the length of rod A is 3.25 ± 0.01 cm and that of B is 4.19 ± 0.01 cm then the rod B is longer than rod A by

A 0.94 ± 0.00 cm

B 0.94 ± 0.01 cm

C 0.94 ± 0.02 cm

D 0.94 ± 0.005 cm

## Explanation

Length of rod B - Length of rod A = 4.19 - 3.25 $\pm$0.01+0.01 = 0.94$\pm$0.02 cm

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TEST RESULT

"Test Level-1 (Measurement)"

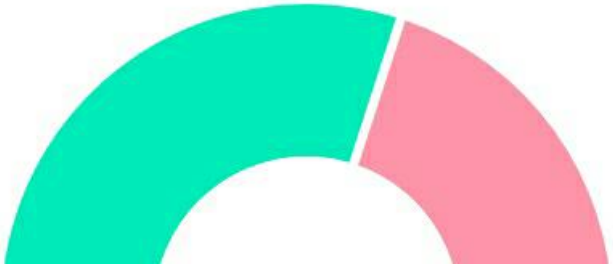
20

15 min

08-Jun-2020

6 sec

Result Detail



"Test Level-1 (Measurement)"

MDCAT 2020

Incorrect Q 1/20

Q : The unit of thermodynamic temperature is:

A K

B $^{o}C$

C $^{o}F$

D none of these

Explanation

SI unit of temperature is kelvin.

1 2 3 4 5 6 7

MDCAT 2020

Q : Which of the following is not the unit of length

A light year

B angstrom

C micro

D mm

## Explanation

micro is a sub-multiple which is equal to $10^{-6}$.

"Test Level-1 (Measurement)"

MDCAT 2020

Correct Unattempted

Incorrect Q 3/20

Q : _____ error is occurred due to fault in measuring instruments.

A Random

B systematic

C physical

D personal

1 2 3 4 5 6 7

Q : Electric charge in terms of base units are

A as

B a

C As

D s

## Explanation

Q = It
Coulmb = (ampere) (sec)

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Q : $QV^{-1}$ stands for

A Electric flux

B Electric pressure

C Electric field density

D Capacitance

## Explanation

As capacitance is mathematical define as $C = Q/V$

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following equation? $F = 6\pi\eta rv = krv$ Where F = force, v = velocity and r = radius.

A $kgm^{-1}s^{-1}$

B kgms

C $kg^{-1}m^{2}s$

D $kgm^{2}s^{2}$

## Explanation

$F = krv$

$k = F/rv$

k = N/m $(.ms^{-1}) = kgm^{-1}s^{-1}$

"Test Level-1 (Measurement)"

MDCAT 2020

Correct Unattempted

Incorrect Q 7/20

Q : In addition and subtraction resultant uncertainty is obtained by

A adding absolute uncertainties

B subtraction of absolute uncertainties

C addition of % uncertainties

D multiplication of % uncertainties

4 5 6 7 8 9

MDCAT 2020

Incorrect

Q 8/20

Q : The radius of the sphere is $(4.3 + 0.1)$ cm. The percentage error in its volume is

A $\frac{0.1}{4.3} \times 100$

B $3 \times \frac{0.1 \times 100}{4.3}$

C $\frac{1}{3} \times \frac{0.1 \times 100}{4.3}$

D $3 + \frac{0.1 \times 100}{4.3}$

Explanation

MDCAT 2020

A $\frac{}{4.3} \times 100$

B $3 \times \frac{0.1 \times 100}{4.3}$

C $\frac{1}{3} \times \frac{0.1 \times 100}{4.3}$

D $3 + \frac{0.1 \times 100}{4.3}$

## Explanation

$$V = \frac{4}{3}\pi r^3$$

$$\%V = \frac{4}{3}\pi(3r)$$

"Test Level-1 (Measurement)"

MDCAT 2020

Correct

Unattempted

Incorrect

Q 9/20

Q : Instrumental error is

A Random error

B Systematic error

C Both

D None

4 5 6 7 8 9

Incorrect Q 10/20

Q : The device which have more precision

A High absolute uncertainty

B More least count

C Maximum percentage uncertainty

D Both A and B

## Explanation

If instrument have more precision then its least count is high so it will have more least count and high absolute

"Test Level-1 (Measurement)"

MDCAT 2020

Q : The device which have more precision

A High absolute uncertainty

B More least count

C Maximum percentage uncertainty

D Both A and B

## Explanation

If instrument have more precision then its least count is high so it will have more least count and high absolute uncertainty (Least Count ).

MDCAT 2020

Q : **The error in measurement of mass of sphere 1%, and error in measurement of radius 0.5%. The error in density is**

A 0.5%

B 1.5%

C 2.5%

D 3.5%

## Explanation

$$\therefore \rho = \frac{m}{V_{ol}} = \frac{m}{\frac{4}{3}\pi r^3} \Rightarrow \%\ Error\ in\ \rho = \%\ E$$

MDCAT 2020

Q : **The error in measurement of mass of sphere 1%, and error in measurement of radius 0.5%. The error in density is**

A 0.5%

B 1.5%

C 2.5%

D 3.5%

## Explanation

: $Error\ in\ \rho = \%\ Error\ in\ m + 3(\%\ Error\ in\ r)$ :

MDCAT 2020

Q : **The error in measurement of mass of sphere 1%, and error in measurement of radius 0.5%. The error in density is**

A 0.5%

B 1.5%

C 2.5%

D 3.5%

## Explanation

$$3(\%\ Error\ in\ r) = 1\ \% + 3\frac{1}{2}\ \% = \frac{5}{2}\ \% = 2.5\ \%$$

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A Power

B Force

C Temperature

D Energy

## Explanation

kWh is a unit of energy because we know

Energy = Power × time

In above formula, watt is the unit of power and hour is the unit of time and kilo is a prefix so kWh is unit of energy.

MDCAT 2020

Q : **The number of steradians in a sphere of radius *r* are:**

A $\pi$

B $2\pi r$

C $4\pi$

D $4\pi r$

## Explanation

By definition:

$$(steradian)\,\Omega = \frac{S_{urface\ Area}}{r^2} = \Omega_{comp.} = \frac{4\pi}{1}$$

MDCAT 2020

Q : **The number of steradians in a sphere of radius *r* are:**

A $\pi$

B $2\pi r$

C $4\pi$

D $4\pi r$

## Explanation

$$\frac{\text{urface Area}}{r^2} = \Omega_{comp.} = \frac{4\pi r^2}{r^2} = 4\pi \text{ steradian}$$

"Test Level-1 (Measurement)"

MDCAT 2020

Correct

Unattempted

Incorrect

Q 14/20

Q : The unit of Force in terms of base units

A kg ms

B $kgms^{-1}$

C $kgms^{-2}$

D $kgms^{-3}$

11 12 13 14 15 16 17

MDCAT 2020

Q : Name the quantity which can be measure by using base unit 'kg $m^2$ $s^{-3}$":

A Weight

B Pressure

C Power

D Work

## Explanation

$$P = \frac{W}{t} = \frac{J}{s} = \frac{Nm}{s} = \frac{kgm^2}{s^3}$$

MDCAT 2020

Q : An observer notes reading of a scale from different angles (parallax) while measuring the length of wire, what kind of error can occur?

A Systematic Error

B Precised Error

C Zero Error

D Random Error

## Explanation

An observer notes reading of a scale from different angles (parallax) while

measuring the length of wire, what kind of error can occur?

A Systematic Error

B Precised Error

C Zero Error

D Random Error

## Explanation

An observer notes reading of a scale from different angles (parallax) while measuring the length of wire, that kind of error is called random Error

MDCAT 2020

Q : A physical quantity is given by $X=M^aL^bT^c$ . The percentage error in measurement of M,L and T are α,β and γ espectively. Then maximum percentage error in the quantity X is

A $a\alpha+b\beta+c\gamma$

B $a\alpha+b\beta-c\gamma$

C $a/\alpha+b/\beta+c/\gamma$

D None of these

Explanation

Percentage error in X

$X=M^{\alpha}L^{\beta}T^{\gamma}$. The percentage error in measurement of M,L and T are α,β and γ espectively. Then maximum percentage error in the quantity X is

A $a\alpha+b\beta+c\gamma$

B $a\alpha+b\beta-c\gamma$

C $a/\alpha+b/\beta+c/\gamma$

D None of these

## Explanation

Percentage error in X $=a\alpha+b\beta+c\gamma$

Q : Henry/ohm can be expressed in

A Second

B Coulomb

C Mho

D metre

## Explanation

L/R
is a time constant of L-R circuit so Henry/ohm can be expressed as second.

"Test Level-1 (Measurement)"

MDCAT 2020

Correct

Unattempted

Incorrect

Q 19/20

Q : The unit of e.m.f. is

A Joule

B Joule-Coulomb

C Volt-Coulomb

D Joule/Coulomb

Q : What is the correct sequence in which the lengths of the following units increase?

| |
|---|
| 1. Angstrom |
| 2. Micron |
| 3. Nanometer |

Select the correct answer using the code given below:

A 1, 2, 3

B 3, 1, 2

C 1, 3, 2

D 2, 3, 1

MDCAT 2020

TEST RESULT

Test Level 2 (Unit-1-Measurements)

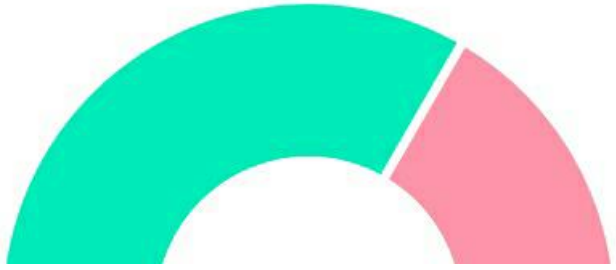
30

25 min

08-Jun-2020

50 sec

Result Detail



MDCAT 2020

Correct | Unattempted | Incorrect | Q 1/30

Q : In the equation $x = x_0 \sin\omega t$ the unit of $\omega$ is

A rad

B Hz

C rad $s^{-2}$

D rad $s^{-1}$

Incorrect  Q 2/30

Q : The velocity of a freely falling body varies according to relation $v = g^a \times h^b$, where g is the acceleration due to gravity and h is height from where it is released. The values of 'a' and 'b' are respectively

A 1, 1

B $\frac{1}{2}, -\frac{1}{2}$

C $\frac{1}{2}, -\frac{1}{2}$

D $\frac{1}{2}, \frac{1}{2}$

MDCAT 2020

Correct | Unattempted | Incorrect | Q 3/30

Q : 1 Pascal =

A $kgms^{-2}$

B $kgm^{-1}s^{-2}$

C $kgm^{-2}s^{-3}$

D $kgm^{-2}s^{-2}$

MDCAT 2020

Correct | Unattempted

Incorrect | Q 4/30

Q : In a complete rotation solid angle is equal to

A 2 π rad

B 2 π sr

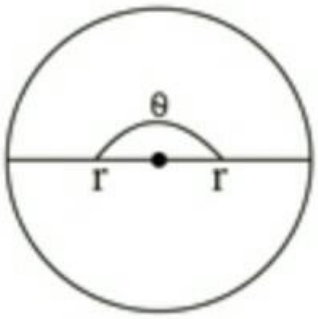
C 4 π rad

D 4 π sr

Incorrect

Q 5/30

Q : A circle is shown in the figure whose radius is 2cm. What must be the plane angle if arc length is equal to half of the




circumference of circle?

A 2 rad

B $\frac{\pi}{2}$ rad

C $2\pi$ rad

D $\pi$ rad

MDCAT 2020

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. kg |
| B. Energy | 2. kg |
| C. Momentum | 3. $Nr$ |
| D. Pressure | 4. kW |
| | 5. kWh |

A. A-4, B-5, C-1, D-3

B. A-4, B-5, C-1, D-2

C. A-5, B-4, C-1, D-2

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| List I (Physical quantity) (Units) | List II ( |
|---|---|
| A. Power | 1. kg |
| B. Energy | 2. kg |
| C. Momentum | 3. $N_1$ |
| D. Pressure | 4. kW |
| | 5. kWh |

A A-4, B-5, C-1, D-3

B A-4, B-5, C-1, D-2

C A-5, B-4, C-1, D-2

D A-5, B-4, C-2, D-3

MDCAT 2020

s given below the lists.

| (Physical quantity) ) | List II (Physical |
|---|---|
| wer | 1. kg $ms^{-1}$ |
| ergy | 2. kg $m^2s^{-1}$ |
| mentum | 3. $Nm^{-2}$ |
| ssure | 4. kW |
| | 5. kWh |

A A-4, B-5, C-1, D-3

B A-4, B-5, C-1, D-2

C A-5, B-4, C-1, D-2

D A-5, B-4, C-2, D-3

MDCAT 2020

Correct Unattempted

Incorrect Q 7/30

Q : The unit of percentage error is

A Same as that of physical quantity

B Different from that of physical quantity

C Percentage error is unit less

D Errors have got their own units which are different from that of physical quantity measured

MDCAT 2020

Correct | Unattempted | Incorrect | Q 8/30

Q : A suitable unit for gravitational constant is

A $kg\text{-}m\ sec^{-1}$

B $N\ m^{-1} sec$

C $Nm^2kg^{-2}$

D $kgmsec^{-1}$

MDCAT 2020

Correct  Unattempted

Incorrect  Q 9/30

Q : If the unit of length and force be increased four times, then the unit of energy is

A Increased 4 times

B Increased 8 times

C Increased 16 times

D Decreased 16 times

Q : What is the correct sequence in which the lengths of the following units increase?

| |
|---|
| 1. Angstrom |
| 2. Micron |
| 3. Nanometer |

Select the correct answer using the code given below:

A 1, 2, 3

B 3, 1, 2

C 1, 3, 2

D 2, 3, 1

MDCAT 2020

Correct | Unattempted | Incorrect | Q 11/30

Q : Which of the following quantities has not been expressed in the proper units?

A Young's modulus = $Nm^{-2}$

B Pressure = $Nm^{-2}$

C Surface tension = $Nm^{-1}$

D Spring constant = $kg\ m^{-1}s^{-1}$

MDCAT 2020

Correct  Unattempted

Incorrect  Q 12/30

Q : If the maximum error in the measurement of mass and length of a cube are 2% and 3% respectively, then the maximum error in the measurement of its density will be

A 1%

B 7%

C 5%

D 11%

MDCAT 2020

Correct  Unattempted

Incorrect  Q 13/30

Q : Which of the following prefixes are written in descending order?

A atto, pico, centi, giga

B micro, exa, femto

C micro, femto, kilo

D kilo, milli, pico

MDCAT 2020

Correct | Unattempted | Incorrect | Q 14/30

Q : In given equation $v=at^2+bt$, t is the time and v is the velocity the unit of a and b respectively

A $ms^3$ and $ms^{-2}$

B $ms^{-3}$ and $ms^{-2}$

C $ms^3$ and $ms^2$

D $ms^{-3}$ and ms

MDCAT 2020

Correct

Unattempted

Incorrect

Q 15/30

Q : Which one is a pair of SI base units?

A ampere , joule

B coulomb , second

C kilogram , kelvin

D meter , newton

MDCAT 2020

Correct

Unattempted

Incorrect

Q 16/30

Q : Those quantities which do not have base on other physical quantities

A Base quantities

B Derived quantities

C Supplementary quantities

D All of these

MDCAT 2020

Correct Unattempted

Incorrect Q 17/30

Q : In addition, and subtraction resultant uncertainty is obtained by

A Adding absolute uncertainties

B Addition of % uncertainties

C Subtraction of absolute uncertainties

D Multiplication of % uncertainties

MDCAT 2020

Correct  Unattempted

Incorrect  Q 18/30

Q : The branch of physics which deals with the atomic nuclei is called

A Nuclear physics

B Atomic physics

C Particle physics

D Modern physics

MDCAT 2020

Correct

Unattempted

Incorrect

Q 19/30

Q : Which of them is not a physical quantity?

A Density

B Impulse

C Energy

D Kilogram

MDCAT 2020

Correct | Unattempted | Incorrect | Q 20/30

Q : The radius of ball is (2.5 ± 0.2) cm the percentage error in volume of ball is

A 24%

B 9%

C 7%

D 15 %

MDCAT 2020

Correct

Unattempted

Incorrect

Q 21/30

Q : An ideal standard has _____ principle characteristics

A 2

B 3

C 4

D 5

MDCAT 2020

Correct | Unattempted | Incorrect | Q 22/30

Q : If error in the measurement of mass is 1 % and radius is 2%. Then maximum error in moment of inertia is

A 3%

B 4%

C 5%

D 6%

MDCAT 2020

Correct | Unattempted

Incorrect | Q 23/30

Q : The ratio of micro to mega is

A 1

B $10^{-12}$

C $10^{-6}$

D $10^{12}$

MDCAT 2020

Correct

Unattempted

Incorrect

Q 24/30

Q : Under same environment the measurement of physical quantity gives different values the error is called

A Systematic error

B Random error

C Instrument error

D All of these

MDCAT 2020

Correct | Unattempted | Incorrect | Q 25/30

Q : What is the answer of $\frac{milli \times kilo}{deca}$

A $10^{2}$

B $10^{-1}$

C $10^{-3}$

D $10^{7}$

MDCAT 2020

Correct

Unattempted

Incorrect

Q 26/30

Q : Ratio of solid angle of sphere to plane angle of a circle is

A $2\pi$

B $\pi$

C $\frac{\pi}{2}$

D 2

MDCAT 2020

Correct Unattempted

Incorrect Q 27/30

Q : Plane angle and solid angle are

A Primary fundamental units

B Secondary fundamental unit

C Supplementary quantities

D Derived units

MDCAT 2020

Correct | Unattempted | Incorrect | Q 28/30

Q : If $\frac{a}{b}$ the maximum % age error in measurement of y will be

A $\left(\frac{\Delta a}{a}+\frac{\Delta b}{b}\right)100$

B $\left(\frac{\Delta a}{a}\times\frac{\Delta b}{b}\right)100$

C $\frac{\Delta a/a}{\Delta b/b}\times 100$

D $\left(\frac{a}{\Delta a}\times\frac{b}{\Delta b}\right)100$

Test Level 2 (Unit-1-Measurement...

MDCAT 2020

Correct

Unattempted

Incorrect

Q 29/30

Q : A precise measurement is one which has

A Less percentage uncertainty

B Less absolute uncertainty

C Maximum precision

D Both A and B

24 25 26 27 28 29 30

MDCAT 2020

Correct | Unattempted

Incorrect | Q 30/30

Q : Kg $m^2$ $s^{-3}$ are base units of

A Pressure

B Power

C Intensity

D Force