$\bar{x}$

- pmeses
d. ESSON (1):
creative one mark Questions with answer.

1) Natural motion another $\qquad$
Force independent
d) Violant motion anothes......

Force dependent
a) Ditterent types of inertia Three ( $\beta$ )
4) An Athiete puns some distance betore jumping is ......

Inertia of motion
5) momentum sI Unitis.....
kg ms-1
b) monestum C.M.S unit is.....

$$
g \mathrm{cms}^{-1}
$$

7) Force is .... Quanting vector
8) Dittarent types of torces … TWO
Q) A single force which is termed as Resuitant torce
9) The axis of the fixed edge about chich the door is rotated is called as the ....... axis of Rolation.
10) moment of the force another name... torque
11) Torque symbol are ...

$$
\tau \text { ( Tau) }
$$

13) Torque IHs sI unit is .... NM
14) Torque is a .... Quantity vector
15) Rotating effect of a couple is known as .... moment of a couple
16) The unit of moment of a couple is $\ldots$.... pro
(t) The unit of moment of a couple in caus system.... dyne cm
17) Force $=$ mass
acceleration
18) .... is a required to produce the acceleration of a body force
19) The acceleration is produce cion the radius called as centripetal acceleration
20) SI unit ot torce is …… neluton (N)
21) cus system its unit of tome... dyne
22) $I N=$

$$
1 \mathrm{~kg} \mathrm{~ms}^{-2}
$$

24) 

$$
\begin{aligned}
1 \text { dyne }= & \cdots \cdots \\
& 1 \mathrm{gcms}^{-2}
\end{aligned}
$$

25) 

$$
1 N=\cdots
$$

26) $\mathrm{kg} f=\frac{\mathrm{kg}}{9.8 \mathrm{~N}}$
27) $18 f=\frac{\cdots}{980}$ dyne
28) A large force acting for a bery shurt interval of time is called as ....

Impulsive force
29) Impuise Its unit is …

$$
\mathrm{kgms}^{-1} \text { (or) Nd }
$$

30) $k 8 \mathrm{~ms}^{-1}$ (or) $\ldots .$.

NS

QB365
https://www.qb365.in Scanned by Camsc
31) NS (03)

$$
\text { kgons }^{-1}
$$

32) A large force acting for a short period of ... time
33) Rockets are filled with a tuel either liquid (or) ....
solid
34) " G" unit is .....?

$$
\mathrm{um}^{2} \mathrm{~kg}^{-2}
$$

35) 'g' IH unit in …?

$$
\mathrm{ms}^{-2}
$$

36) Mean value of the accolaration due to gravity is taken as …?

$$
9.8 \mathrm{~ms}^{-2}
$$

87) Accelaration due to gravity ……?

$$
g=\frac{\operatorname{An}}{k^{2}}
$$

38) Accaleration of the body is under the action of gravily honce $a=\cdots$ ? $g$
39) Mass of the Earth formuer is …

$$
M=\frac{g R^{2}}{M}
$$

40) You can calculahe the mass of the


$$
M=5.912 \times 10^{2.4} \mathrm{~kg} .
$$

QB365
41) \& depents on the geametric radines \&t the easth $7 d$

$$
1 / k^{2}
$$

42) vass sis unit is …...

Alugram ( kg )
43) The valuk of accoleration due to Fravity on the surface of the
doen is $\ldots$.

$$
1.625 \mathrm{~ms}^{-2}
$$

44) Nechanics is divided into .... and otsnamics
statics
45) Calculate the velocity of a movirg bods of mats 5 kg utorse linear momentum $a^{2} 5$ kgms ${ }^{-1} \ldots$ ?

$$
0.5 \mathrm{~ms}^{-1}
$$

46) One kilogram force esualto…?

$$
98 \times 104 \text { dyne }
$$

47) $F=$ weight $=$
$m g$
48) Newton's law of gravitational the force acting on the body is given by

$$
F=\frac{G N m}{R^{2}}
$$

49) A smaller force acting for a longer poriod of fime
50) 

The a mount of torce requined to produce ar acceleration of $1 \mathrm{~ms}^{-2}$

LESSON (2).
(1) Light is a form of energy which 'traveis in the form of ..... waves
(2) The path of light is called.... kay of lignt
(3) Lignt is a torm of .....
(4) The speed of lisht $3 \times 10^{8} \mathrm{~ms}^{-1}$
(2)

The violet light has the wavelength

Lowest
(b) The red light hasthe … wavelergth highest
(7) deviation of ras of light is called
ratraction
(8)

Sncelis law formula is ……

$$
\frac{\sin i^{\prime}}{\sin }=\frac{n_{2}}{n_{1}}
$$

(9) Raman scattaring …… scattaring In elastic
(10) A lens is an optically … Modium transparent
(11) when a parallel beam of monotromatic .... colowred
single
(12) The spectral lines having treruency equal to the incident roy tresuency is called

Rayloigh line
(13) The lines having trequencies lower than the incident tresuency is canled
stokes lines
(14) The lines having frequencies higher tran the incident frequency are called

Antio stokes lines
(15) convex (0r)
bi- convex lens
(10) Concare (or) …… bi- concare Lens
(17) a concare lens is aiso called as diverging lens
(18) ... are used as eamera lenses convex lenses.
(19) The lens formula and lens makeols formula are applicable to only..... lenses Thin
(20) The sI unit of power of a lens is dioptre
(21) If focal length is expressed in $\cdots \cdots$
(22) Then the power of lens is expressed in $\ldots .$.
(23) Thus ID is the power of a lens, Whose focal length is .... 1 metre
(24) The lens makerls formula is one such equation is given as

$$
\frac{1}{f}=(n-1)\left(\frac{1}{R_{1}}-\frac{1}{R_{2}}\right)
$$

(25) $10=\frac{\cdots}{1 m^{-1}}$
(26) All lenses ave made up of - materials transparent
(27) If the magnification is greater than 1 Hen we get an $\qquad$ Enlarged Image.
(5) Lens formula It is expressed as....

$$
1 / f=1 / v-1 / u
$$

(29) If the magnification is lev than 1, Hen we get a $\ldots .$. diminished mage
(30) The aye ball is approximately spherical in shape with a diameter of about see all the objects placed beturean 25 cm and
(32) $\infty<$ Infinity)

Myopia, also known as …… short sightedness
(33) Then the teal length of the Required concare hers is $\ldots$
(34) $\quad ナ=-x$.

Astigmatism can be corrected by using - ...
(35) cylindrical lenses
cylindrical lenses (ar) .................................
Torrid lenses convex
simple microscope has a lens of short
focal length
(37)
compound microscope has .......... ... times more magnification power than simple microscope

$$
50 \text { to } 200
$$

(38) An … - is used to view heavenly bodies l/ke stars, Astronomical Teiescope
(39) … and .... are HBe two major types at terescope

A stronomical telerscope
Terrestrial teir scope
(40) The first he lescope was invented bly .....

John Lippershey in 1608.
prepared by.
of. THI RUMOORTHI MSA. BEd,(phid) physics.
Idappadi (TK)

$$
\text { salem(Dt) } 637101
$$

