		CHOICE QUESTIONS						
1.	Study of motion of the bodies is known as:							
	(a) Heat	(b) Light						
	(c) Atomic physics (d) Mechanics							
2.	Study of motion without discussing the cause of motion is called:							
	(a) Kinematics	(b) Dynamics						
	(c) Heat	(d) Motion						
3.	If a body does not change its position with respect to some observer then it will be in							
	a state of:							
	(a) Rest	(b) Motion						
	(c) Uniform motion	(d) Relative motion						
4.	If a body changes its position with respect to some observer then it will be in state of:							
	(a) Rest	(b) Motion						
	(c) Uniform motion	(d) Relative motion						
5.	Rest and motion are states:							
	(a) Absolute	(b) Constant						
	(c) Variable	(d) Relative						
6.	Which one of the following is a vector quantity?							
	(a) Displacement	(b) Speed						
	(c) Volume	(d) Work						
7.	The spinning motion of a body a	bout its axis is known as. (LHR 2015)						
	(a) Translatory motion	(b) Vibratory motion						
	(c) Rotatory motion	(d) none of these						
8.	When a body moves to and fro	about a point and repeats its motion again and agair						
		about the same point then this motion is known as: (GRW 2014, 2015)						
	(a) Translatory	(b) Vibratory						
	(c) Rotatory	(d) none of these						
9.	The motion of the string of a violin is:							
	(a) Translatory	(b) Vibratory						
	(c) Rotatory	(d) none of these						
10.	Total length of a path between two points is known as:							
*******	(a) Velocity	(b) Acceleration						
	(c) Speed	(d) Distance						
11.	The shortest distance between two points is known as:							
ACTIVITY.	(a) Velocity (b) Displacement							
	(c) Speed	(d) Distance						
12.	The area uner a speed time graph respresents							
en.m.r	(a) Speed	(b) Volume						
	(c) Acceleration	(d) Distance						
13.	SI unit of speed is:							

(a) ms^{-1} (b) mh^{-1}						
(c) kms ⁻¹ (d) All of these						
14. Speed is a quantity:						
(a) Vector (b) Scalar						
(c) Both (d) none of these						
15. If a body covers equal distance in equal intervals of time, however small the intervals of time, how the intervals of time, how the intervals of time, how	3 5					
may be, then the speed of the body is known as:						
(a) Uniform (b) Variable						
(c) Non uniform (d) All of these						
16. The rate of displacement with respect to time is known as:						
(a) Distance (b) Speed						
(c) Velocity (d) Acceleration						
17. If the speed and direction of the moving body does not change with time th	en its					
velocity is said to be:						
(a) Uniform (b) Variable						
(c) Constant (d) All of these						
18. If the speed or direction of the moving body changes with time then its velocity	city is					
said to be:						
(a) Uniform (b) Variable						
(c) Constant (d) All of these						
19. Rate of change o <mark>f velocity</mark> i <mark>s known</mark> as:						
(a) Distance (b) Speed						
(c) Velocity (d) Acceleration						
20. If the velocity of the body is increasing then its acceleration will be:						
(a) Positive (b) Negative						
(c) Uniform (d) Variable						
21. If the velocity of the body is decreasing then its acceleration will be:						
(a) Positive (b) Negative	Pill.					
(c) Uniform (d) Variable						
22. If the velocity of a body is uniform then its acceleration will be:						
(a) Positive (b) Negative						
(c) Zero (d) Doubled						
23. SI unit of acceleration is:						
(a) ms ⁻¹ (c) kms ⁻² (d) ms ⁻²						
24. If velocity of a body changes equally in equal intervals of time then its acceler	uation.					
	will be:					
(a) Uniform (b) Variable						
(c) Constant (d) Relative						
25. The velocity and acceleration of a body moving with uniform speed in a circular	r nath					
will be:	patn					
(a) In the same direction (b) In the opposite direction						
(c) Mutually perpendicular (d) Equal						
26. The direction of motion of body and acceleration is in same direction	then					
acceleration will be:						
(a) Uniform (b) Positive						
(c) Negative (d) Zero						
27. The direction of motion of body and acceleration is in opposite direction	then					
acceleration will be:						
(a) Uniform (b) Positive						
(c) Negative (d) Zero						

	m						
28.		a number, with suitable unit only is called:					
	(a) Vector	(b) Scalar					
••	(c) Speed	(d) Acceleration					
29.	The quantity which are described by magnitude as well as direction is called:						
	(a) Vector	(b) Scalar					
20	(c) Speed (d) Acceleration						
30.	In equations of motion, motion will alwa	하는 가가 있었다. 그 물을 가는 바람이 없었다.					
	(a) Circular	(b) Straight					
21	(c) Elliptical	(d) None of above					
31.	In equations of motion, Acceleration will						
	(a) Uniform	(b) Variable					
22	(c) Positive	(d) Negative					
32.	In equations of motion, initial velocity will be taken as:						
	(a) Uniform	(b) Variable					
22	(c) Positive	(d) Negative					
33.	In equations of motion, quantities in the	•					
	(a) Uniform	(b) Variable					
	(c) Positive	(d) Negative					
34.		osite to the direction of initial velocity are					
	taken as:	0) Tr. 1.11					
	(a) Uniform	(b) Variable					
	(c) Positive	(d) Negative					
35.	The slope of straight line in speed time g						
	(a) Force	(b) Displacement					
/	(c) Torque	(d) Acceleration					
36.	Series of experiments on free fall of heav						
36.	(a) Newton	(b) Einstein					
	(a) Newton (c) Galileo	(b) Einstein (d) Al-Kundi					
36. 37.	(a) Newton (c) Galileo When a body is falling freely under th	(b) Einstein					
	(a) Newton (c) Galileo When a body is falling freely under the replaced by:	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is					
	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d					
37.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g					
	 (a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity them. 	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g n its initial velocity will be:					
37.	 (a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity them (a) Positive 	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g its initial velocity will be: (b) Negative					
37. 38.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity them (a) Positive (c) uniform	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g its initial velocity will be: (b) Negative (d) Zero					
37.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity them (a) Positive (c) uniform If a body is falling under the gravity them	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g its initial velocity will be: (b) Negative (d) Zero its gravitational acceleration will be:					
37. 38.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity them (a) Positive (c) uniform If a body is falling under the gravity them (a) Positive	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g its initial velocity will be: (b) Negative (d) Zero its gravitational acceleration will be: (b) Negative					
37. 38. 39.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity them (a) Positive (c) uniform If a body is falling under the gravity them (a) Positive (c) Increasing	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g its initial velocity will be: (b) Negative (d) Zero its gravitational acceleration will be: (b) Negative (d) Zero					
37. 38.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity them (a) Positive (c) uniform If a body is falling under the gravity them (a) Positive (c) Increasing If a body is thrown vertically upward them	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g its initial velocity will be: (b) Negative (d) Zero its gravitational acceleration will be: (b) Negative (d) Zero en its final velocity will be:					
37. 38. 39.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity ther (a) Positive (c) uniform If a body is falling under the gravity ther (a) Positive (c) Increasing If a body is thrown vertically upward the (a) Positive	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g its initial velocity will be: (b) Negative (d) Zero its gravitational acceleration will be: (b) Negative (d) Zero en its final velocity will be: (b) Negative (c) Zero en its final velocity will be: (b) Negative					
37. 38. 39.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity ther (a) Positive (c) uniform If a body is falling under the gravity ther (a) Positive (c) Increasing If a body is thrown vertically upward the (a) Positive (c) uniform	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g n its initial velocity will be: (b) Negative (d) Zero n its gravitational acceleration will be: (b) Negative (d) Zero en its final velocity will be: (b) Negative (d) Zero en its final velocity will be: (b) Negative (d) Zero					
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37. 38. 39.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity ther (a) Positive (c) uniform If a body is falling under the gravity ther (a) Positive (c) Increasing If a body is thrown vertically upward the (a) Positive (c) uniform If a body is thrown upward, then its grav (a) Positive	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g its initial velocity will be: (b) Negative (d) Zero its gravitational acceleration will be: (b) Negative (d) Zero en its final velocity will be: (b) Negative (d) Zero vitational acceleration will be: (b) Negative (d) Zero vitational acceleration will be: (b) Negative					
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37. 38. 39. 40.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity ther (a) Positive (c) uniform If a body is falling under the gravity ther (a) Positive (c) Increasing If a body is thrown vertically upward the (a) Positive (c) uniform If a body is thrown upward, then its grav (a) Positive (c) Increasing A ball is dropped from the top of the tesecond is:	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g n its initial velocity will be: (b) Negative (d) Zero n its gravitational acceleration will be: (b) Negative (d) Zero en its final velocity will be: (b) Negative (d) Zero en its final velocity will be: (b) Negative (d) Zero evitational acceleration will be:					
37. 38. 39. 40.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity ther (a) Positive (c) uniform If a body is falling under the gravity ther (a) Positive (c) Increasing If a body is thrown vertically upward the (a) Positive (c) uniform If a body is thrown upward, then its grav (a) Positive (c) uniform If a body is thrown upward, then its grav (a) Positive (c) Increasing A ball is dropped from the top of the tesecond is: (a) 100m	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g its initial velocity will be: (b) Negative (d) Zero its gravitational acceleration will be: (b) Negative (d) Zero en its final velocity will be: (b) Negative (d) Zero vitational acceleration will be:					
37. 38. 39. 40. 41.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity ther (a) Positive (c) uniform If a body is falling under the gravity ther (a) Positive (c) Increasing If a body is thrown vertically upward the (a) Positive (c) uniform If a body is thrown upward, then its grav (a) Positive (c) Increasing A ball is dropped from the top of the tesecond is: (a) 100m (c) 50m	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g its initial velocity will be: (b) Negative (d) Zero its gravitational acceleration will be: (b) Negative (d) Zero en its final velocity will be: (b) Negative (d) Zero vitational acceleration will be:					
37. 38. 39. 40.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity ther (a) Positive (c) uniform If a body is falling under the gravity ther (a) Positive (c) Increasing If a body is thrown vertically upward the (a) Positive (c) uniform If a body is thrown upward, then its grav (a) Positive (c) Increasing A ball is dropped from the top of the tesecond is: (a) 100m (c) 50m If a car is moving with uniform speed in	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g n its initial velocity will be: (b) Negative (d) Zero n its gravitational acceleration will be: (b) Negative (d) Zero en its final velocity will be: (b) Negative (d) Zero en its final velocity will be: (b) Negative (d) Zero evitational acceleration will be: (b) Negative (d) Zero evitational acceleration will be: (b) Negative (d) Zero evitational acceleration will be: (b) 10m (d) 5m a circle then its velocity will be:					
37. 38. 39. 40. 41.	(a) Newton (c) Galileo When a body is falling freely under the replaced by: (a) m (c) S If a body is falling under the gravity ther (a) Positive (c) uniform If a body is falling under the gravity ther (a) Positive (c) Increasing If a body is thrown vertically upward the (a) Positive (c) uniform If a body is thrown upward, then its grav (a) Positive (c) Increasing A ball is dropped from the top of the tesecond is: (a) 100m (c) 50m	(b) Einstein (d) Al-Kundi e gravity then in equations of motion 'a' is (b) d (d) g its initial velocity will be: (b) Negative (d) Zero its gravitational acceleration will be: (b) Negative (d) Zero en its final velocity will be: (b) Negative (d) Zero vitational acceleration will be:					

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- 44. There are ----- equations of motion which are used to solve the problems about the motion of bodies:
 - (a) 1

(b) 2

(c) 3

(d) 4

ANSWER KEY

Q	An	Q	An	Q	An	Q	An	Q.	Ans
	d	1	b	2	b	3	a	41	b
2	a	1	d	2	c	3	c	42	d
8	a	1	a	2	d	3.	c	43	b
4	b	1	b	2	a	3	d	44	c
	d	1	a	2	c	3	d		
6	a	1	c	2	b	3	c		
7	c	1	a	2	c	3	d		
8	b	1	b	2	b	3	d		
9	b	1	d	2	a	3	a		
1	d	2	a	3	b	4	d		

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