Physics Fsc Part 1 Chapter 5 Online Test

Sr	Questions	Answers Choice
1	A man of 1 kg is freefalling. The force of gravity is	A. 1 N B. 9.8 N C. 0.5 N D. Zero
2	The weight of the body at the centre of earth is	A. Maximum B. Minimum C. Zero D. Infinite
3	Apparent weight of a man is in upward accelerated lift will	A. Increases B. Decreases C. Remain same D. Increases then decrees
4	Weight of a 60 kg man in moving elevator with constant acceleration of 1/2 f	A. Zero B. 300 N C. 600 N D. 200 N
5	A man of mass 5 kg is falling freely, the fore acting on it will be	A. 5 N B. 9.8 N C. 19.6 N D. 49 N
6	The value of of 'g' at the centre of the earth is	A. Infinite B. 2 g C. 3 g D. zero
7	The value of a time period of allow flying satellite is	A. 1 year B. 84 minutes C. 28 hours D. 1 day
8	The maximum velocity necessary to put a satellite into orbit is	A. 7.1 kms-1 B. 7.3 kms-1 C. 7.9 kms-1 D. 8,9 kms-1
9	Satellites are the objects that orbit around the	A. Moon B. Sun C. Earth D. Star
10	Which is unimportant in describing the satellites orbit.	A. Distance of satellite from earth's center B. Gravitational constant G C. Mass of satellite D. Mass of earth
11	Close orbiting satellites orbit the earth at a height of about	A. 400 km B. 4000 km C. 400 m D. 400 cm
12	The unit of rotational K.E. is	A. rAD/SEC B. Js C. J D. Kgm2
13	The relation between the speed and hoop can be written as	A. 2 B. 4 C. 1/2 D. 1/4
14	The diver spins faster when moment of inertia becomes.	A. smaller B. Greater C. Constant D. Zero
15	The amount of inertia of 10 kg hoop about the axis of rotation perpendicular to its plane having radius 5 m is	A. 50 kgm2 B. 100 K gm2 C. 150 K gm2

		D. 250 K gm2
16	Angular momentum has the same unit as	A. Impulse x distance B. Power x time C. Linear x time D. work x frequency
17	In rotational motion the torque is equal to rate of change of	A. Angular velocity B. Linear momentum C. Angular momentum D. Angular acceleration