

CLASS-09
PHYSICAL SCIENCE
UNIT PLAN
CHAPTER: 07 – GRAVITATION

PERIOD NUMBER	CONCEPTS / TEACHING POINTS	PAGES IN TEXT BOOK		REMARKS
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1.	Motion of planets Uniform circular motion	104	105	
2.	Drawing velocity vectors for a body in uniform circular motion	105	106	
3.	Universal law of Gravitation (Newton's law)	107	108	
4.	Universal gravitational constant Universal law of gravitation - problems	108	109	
5.	Acceleration is independent of masses for a free fall body	109	110	
6.	Direction of gravitation Gravitation – problems 2,3	110	111	
7.	Gravitation – problems 4,5	111	112	
8.	Weight Weight of a free fall body The changes during the free fall of a body	112	113	
9.	Centre of gravity Balancing position of a body	113	114	
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11.	Locating centre of gravity Centre of gravity of non-uniform object Centre of gravity of non uniform card board Centre of gravity of a ring	115	115	
12.	Stability Shift of centre of gravity – and its effects	115	116	