ne:	Subject: Physics	Class: 10 <sup>th</sup>	Time: 80 minutes	Total Marks:	
Chapter No.		MJDexpert.com	I	Obtained marks	
Note: Please (a and Q. 1 Encircle th 1. In simple A) Maxim 2. In the mod A) Air Re 3 of A) Speed 4. Waves tra A) Freque 5. In which s	attempt any 10 short quest b) of Question 3. Cutting a <b>Objectiv</b> <b>e correct answer.</b> harmonic motion, velocity a num B) Minimum C) Zero E tion of a simple pendulum, t sistance B) Tension in string waves does not depend upor B) Frequency C) Amplitude nsfer from one place to anon ency B) Wavelength C) Veloc state of matter do longitudin	ions from Question ind removal of any <b>(e-Section</b> <b>(10x1=10)</b> at extreme position b) None he restoring force g C) Force of gravi- on other propertie c D) Wavelength ther: pocity D) Energy al waves move fa	on 2. Also, attem y content is strict n is: e is provided by: vity D) Inertia s of waves: ster?	pt both parts ly prohibited.	
<ul> <li>A) Liquid</li> <li>6. The product A) Time p</li> <li>7. In a vacuuc A) Speed</li> <li>8. Ripple tar A) Water</li> <li>9. When len A) 1.998 I</li> <li>10. The main A) 2 B) 3</li> </ul>	B) Solid C) Gas D) Liquid act of frequency (f) and wav beriod B) Amplitude C) Wav am, all electromagnetic wave B) Frequency C) Amplitude ak is a device used to produce waves B) Sound waves C) M gth is 1.0 m, then the period B) 2.11s C) 1.89s D) 1.88s categories of waves are: C) 4 D) 5	and Solid Both elength is equal to ve speed D) Wave es have the same: e D) Wavelength ee: Mechanical waves of a simple pend	o: e Energy s D) Electrical wa ulum is:	aves	
Q.2 Write short	Subjective t answers of any ten of th	ve-Section	stions: (10x2=2	20)	
<ul> <li>i. Define Simple H</li> <li>ii. What is the spr</li> <li>iii. Define time per</li> <li>iv. How does dam</li> <li>v. Define wave m</li> <li>vi. Differentiate b</li> <li>vii. Define crust a</li> <li>viii. Define the ec</li> <li>ix. What is the fur</li> <li>x. Define refraction</li> </ul>	larmonic Motion (SHM). Als ring constant? Write its form eriod and frequency. oping progressively reduce to otion. petween mechanical waves nd trough. quation of a wave and also wo nction of a ripple tank? on and diffraction of waves.	o write one featu nula. he amplitude of o and electromagno vrite its formula.	ire. oscillation? etic waves.		
xi. What is meant xii. Describe wave <b>Q.No.3 Long Q</b> a) What is m b) Describe	by simple harmonic motion es as carriers of energy in de <b>uestion:</b> leant by simple harmonic m waves as carries of energy w	n? Describe its fea etail. otion? Describe i vith detail.	atures. <b>(5+5=1</b> ts features.	0)	