

# ANNUAL EVALUATION 2018- 2019

VIII

PHYSICS

Time : 40 minutes

Maximum Score : 20

Qn No	INDICATORS	SCORE						
1	Volume - volume is derived quantity, others are fundamental quantities	1						
2	Farad	1						
3	AU	1						
4	Electrostatic induction	1						
5	a. The length of the path travelled by an object b. Vector	2						
6	a. 10 cm b. 12.5 cm	2						
7	<table border="1" style="margin: auto; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Soft iron</th> <th style="width: 50%;">Steel</th> </tr> </thead> <tbody> <tr> <td>High susceptibility</td> <td>Can be used to make a permanent magnet</td> </tr> <tr> <td>Used in magnetic cranes</td> <td>High retentivity</td> </tr> </tbody> </table>	Soft iron	Steel	High susceptibility	Can be used to make a permanent magnet	Used in magnetic cranes	High retentivity	2
Soft iron	Steel							
High susceptibility	Can be used to make a permanent magnet							
Used in magnetic cranes	High retentivity							
8	a. Dielectric b. To increase the ability of storing electricity in the capacitor with plates of fixed area.	1 1						
9	“The Louder You Honk.... Faster Your Health Will Conk” (example)							
10	a. These vehicles are greater in mass. So to reduce pressure broader chains are used. As the area of contact increases, pressure decreases. b. Constructing buildings with wider basement, Connecting the wheels of tanks using wide chains.	1 1						
11	a. Because they are infrasonic waves. b. To avoid noise pollution c. A medium is necessary for sound to travel. There is no necessary medium for the propagation of sound from Jupiter to earth, we cannot hear the sound.	1 1 1						
12	a. Negative b. <ul style="list-style-type: none"> <li>➤ Do not operate electrical equipments.</li> <li>➤ Do not stand beneath tall trees</li> <li>➤ Do not take shelter under isolated trees</li> <li>➤ Do not stand holding window bars or grills and metals</li> <li>➤ Do not lean on the wall of the house</li> <li>➤ Do not stand in open place</li> </ul> (any two)	1 2						

13	A	B	C	3
	Loudness	Amplitude of vibration	Decibel meter	
	Pitch	Frequency	Cuckoo's cry	
	Ultrasonic	Above our audible range	Galton whistle	

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