

## Notice

With reference to the notice of the Academic Council dated 07/12/2021 and the subsequent Departmental meeting dated 08/12/2021, a student seminar for 3<sup>rd</sup>-semester students and 5<sup>th</sup>-semester students will be organized on 17/12/2021 and 18/12/2021 respectively.

Instruction for the student:

Students are requested to take note that they need to write a project report in the A4 sheet and mention their name and UGB roll number clearly above it. They ~~they~~ will present their talk in 10 min time followed by a 2min question-answer session.



Sd/-  
HoD  
Department of Physics  
Gour Mahavidyalya,  
Malda.



**Principal**  
**GOUR MAHA VIDYALAYA**  
**Mangalbari, Malda**



Students Seminar 3<sup>rd</sup> SEM Date - 17-12-21

## Seminar Presentation

	<u>Students Name</u>	<u>Roll No.</u>	<u>Signature</u>
1)	Pratick Das	1220PHSH0158	Pratick Das
2)	Soumyadip Talukdar	1220PHSH 0165	Soumyadip Talukdar
3)	Ritam Das	1220 PHSH 0160	Ritam Das
4)	Ratna Paul	1220 PHSH 0159	Ratna Paul
5)	Nikita kumar Paul	1220 -PHSH -0157	Nikita kumar Paul
6)	Sheha Karmakar	1220 - PHSH -0163	Sheha Karmakar
7)	Abhijeet Ray	1220 -PHSH -0155	Abhijeet Ray
8)	Samim Aktar	1220 - PHSH -0162	Samim Aktar

Name - Ratna Paul

Roll-no - 1220-PHSH - 0159

Sem - 3rd Sem

1) Seven Segments display →



	Inputs				Segments						
	A	B	C	D	a	b	c	d	e	f	g
0	0	0	0	0	1	1	1	1	1	1	0
1	0	0	0	1	0	1	1	0	0	0	0
2	0	0	1	0	1	1	0	1	1	0	1
3	0	0	1	1	1	1	1	1	0	0	1
4	0	1	0	0	0	1	1	0	0	1	1
5	0	1	0	1	1	0	1	1	0	1	1
6	0	1	1	0	1	0	1	1	1	1	1
7	0	1	1	1	1	1	1	0	0	0	0
8	1	0	0	0	1	1	1	1	1	1	1
9	1	0	0	1	1	1	1	1	0	1	1
<sup>10</sup> A	1	0	1	0	1	1	1	0	1	1	1
<sup>11</sup> B	1	0	1	1	0	0	1	1	1	1	1
<sup>12</sup> C	1	1	0	0	1	0	0	1	1	1	0
<sup>13</sup> D	1	1	0	1	0	1	1	1	1	0	1
<sup>14</sup> E	1	1	1	0	1	0	0	1	1	1	1
<sup>15</sup> F	1	1	1	1	1	0	0	0	1	1	1



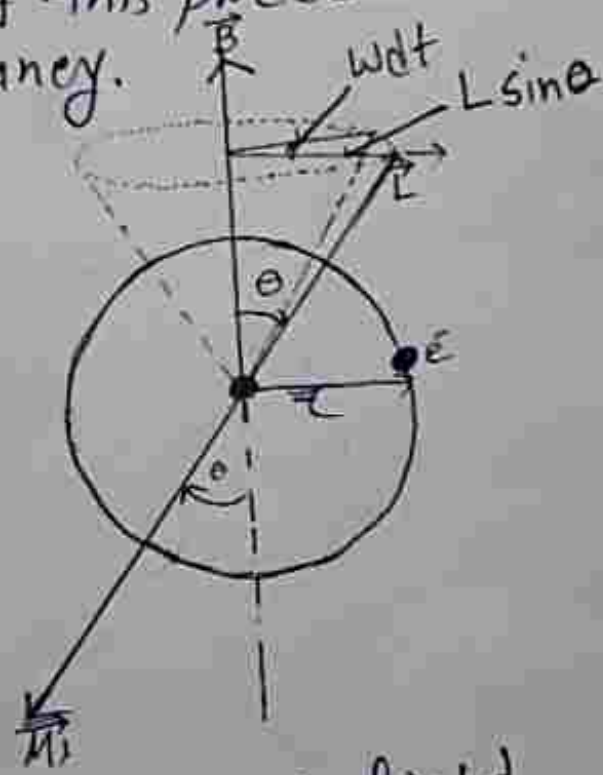
Students Seminar 5th Sem18-12-21

<u>Students Name</u>	<u>Roll No.</u>	<u>Signature</u>
1) SOUGATA RAY	1219PHSH0187	Sougata Ray
2) Sanjay Paul	1219 PHSH - 0183	Sanjay Paul
3) Abhishek Saha	1219 PHSH - 0175	Abhishek Saha
4) Tapan Sen	1219 PHSH - 0188	Tapan Sen
5) Anup Sarkar	1219PHSH-0179	Anup Sarkar
6) Sneha Nag	1219 PHSH - 0186	Sneha Nag
7) Manjarul Islam	1219 PHSH - 0182	Manjarul Islam
8) ALOK mandal	1219PHSH - 0177	ALOK mandal
9) Alia Anjum	1219 PHSH - 0176	Alia Anjum
10) Barnali Paul	1219 PHSH - 0181	Barnali Paul

5th Sem

③ What is Larmor Frequency? Derive it.

LARMOR FREQUENCY: When an atom is placed in external magnetic field, the orbit precesses about the field direction as axis. This precession is called Larmor precession and the frequency of this precession is called Larmor frequency.



- $\vec{B} \Rightarrow$  external Magnetic field
- $\vec{L} \Rightarrow$  orbital angular momentum
- $\vec{\mu}_o \Rightarrow$  orbital Magnetic dipole Moment