

**Bapuji Institute of Engineering and Technology**  
**DEPARTMENT OF PHYSICS**  
**CALENDER OF EVENTS-ODD SEMESTER: DECEMBER- 2021 – MARCH-2022**

| <b>PARTICULARS</b>   | <b>SEC</b>   | <b>A</b>                | <b>C</b> | <b>E</b>   | <b>G</b> | <b>I</b> | <b>K</b> |
|--|--|-------------------------|----------|--|----------|----------|----------|
| Commencement of Odd semester                               | <b>13-12-2021</b>  | Common to all           |          |  |          |          |          |
| Last working date  | <b>30-04-2022</b>  | Common to all           |          |  |          |          |          |
| Assignment submission and Class room Presentations dates   | Tentative  |                         |          |  |          |          |          |
|  | 1 <sup>st</sup> Assignment   | To be submitted on      |          |  |          |          |          |
|  | 2 <sup>nd</sup> Assignment   | To be submitted on      |          |  |          |          |          |
| <b>Semester theory Examination 12/05/2022 – 30/05/2022</b> |  |                         |          |  |          |          |          |
| Lab Internal Examinations (LIE)                            | 1 <sup>st</sup> LIE  | End of the First cycle  |          |  |          |          |          |
|  | 2 <sup>nd</sup> LIE  | End of the Second cycle |          |  |          |          |          |
| <b>Practical Examination 02/05/2022 – 10/05/2022</b>       |  |                         |          |  |          |          |          |
| Marks Distribution for Laboratory = <b>21PHYL 16</b>       | Continuous Internal Evaluation<br>For Record + Manual + Viva = <b>15 + 8+ 7 = 30</b> |                         |          | Lab Internal Examinations (LIE)<br><b>20 Marks</b>             |          |          |          |
| Marks Distribution for Theory = <b>21PHY 12</b>            | Internal Test = <b>20 Marks</b><br>(average of all three IA)                         |                         |          | Assignment (3) + Class room Presentations =<br><b>30 Marks</b> |          |          |          |
| <b>Commencement of Even semester 01/06/2022</b>            |  |                         |          |  |          |          |          |

| <b>Internal Assessment Date</b>                      | <b>Syllabus for IA</b> |   | <b>Topics for Assignment /Seminar</b>   |
|--|------------------------|---|---|
| <b>1<sup>st</sup> I A - 2401/2022 to 31/01/2022</b>  | CO 1                   | SHM to Forced oscillation   | Shock Waves   |
|  | CO 2                   | Black Body Radiation , up to Planks Law and Till HUP                                |   |
| <b>2<sup>nd</sup> I A - 21/02/2021 to 26/02/2022</b> | CO 3                   | Lasers and Optical Fibers   |   |
| <b>3<sup>rd</sup> I A - 23/03/2022 to 29/03/2022</b> | CO 4                   | Electrical conductivity of Metals<br>Conductivity of Semi-Conductor and Dielectrics | Material Characterization Techniques and<br>Instrumentation. Concept of X- Rays |

- **Engineering Physics Lab Experiments**

| <b>1<sup>st</sup> Cycle</b>             | <b>2<sup>nd</sup> Cycle</b>                 |
|---|---|
| 1. Spring constant                      | 6. Optical Fibre                            |
| 2. Torsional Pendulum                   | 7. Diffraction Grating                      |
| 3. RLC Resonance                        | 8. Fermi energy of a conductor              |
| 4. Stefan's Law                         | 9. Dielectric constant                      |
| 5. Photodiode Characteristic            | 10. Field along the axis of a circular coil |
| Practical IA – 14-02-2022 to 20-02-2022 | Practical IA – 26-03-2022 to 01-04-2022     |

| DEPARTMENT  | EVENT                       | TENTATIVE DATE          |
|---|-----------------------------|-------------------------|
| Physics, chemistry & Mathematics<br>(SCIENCE FORUM) | SIP                         | 20/12/2021 – 27/12/2021 |
|   | Inauguration Forum Activity | 27/12/2021              |
|   | National Science day        | 28/02/2022              |



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