U.G. 1st Semester Examination - 2020 PHYSICS

[PROGRAMME]
Course code: PHY-G-CC-P-01 (MECHANICS)

PRACTICAL

| | Full Marks : 20 | Time: 2 Hours |
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| | Answer any two questions from the following: | |
| 1. | Define gravitational field and gravitational potential. Write down planetary motion. Define refractive index. Write down the value of the water. | • |
| 2. | Define Moment of Inertia and radius of gyration. What is the unit of | f Moment of inertia ? |
| | State Hooke's law and define Young's Modulus. Write the workin rigidity modulus. How does the value of rigidity modulus depend o diameter of the wire? | • |
| 3. | Define coefficient of viscosity. Write down Stokes law of viscos procedure and related theory used to measure the coefficient of method. | • |
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