

Courses offered for PhD for the Autumn Session 2019

| S.No. | Degree | Branch Name | Sem | Course code | Course Name | Board of study | Course Type (T/P) | Credit | LTP | Elect. (Y/N) | Elect. Group | Mid sem Max Marks | Teachers Asses Max Marks | End Sem Max Marks | End Sem Total Marks |
|-------|--------|-------------|-----------------|-------------|--|----------------|-------------------|--------|-------|---------------|--------------|-------------------|--------------------------|-------------------|---------------------|
| 1. | Ph.D. | Physics | 1 st | | Research Methodology. | Physics | Theory | 4 | 3-1-0 | Common to all | | 30 | 10 | 60 | 100 |
| 2. | Ph.D. | Physics | 1 st | | Solar Energy Utilization | Physics | Theory | 3 | 3-1-0 | N | | 30 | 10 | 60 | 100 |
| 3. | Ph.D. | Physics | 1 st | | Heat Transfer | Physics | Theory | 3 | 3-1-0 | N | | 30 | 10 | 60 | 100 |
| 4. | Ph.D. | Physics | 1 st | | Financial Evaluation of renewable energy Technology. | Physics | Theory | 3 | 3-1-0 | N | | 30 | 10 | 60 | 100 |
| 5. | Ph.D. | Physics | 1 st | | Introduction to the Plasma Physics. | Physics | Theory | 3 | 3-1-0 | N | | 30 | 10 | 60 | 100 |
| 6. | Ph.D. | Physics | 1 st | | Ionosphere and Magnetosphere Physics. | Physics | Theory | 3 | 3-1-0 | N | | 30 | 10 | 60 | 100 |
| 7. | Ph.D. | Physics | 1 st | | Theory of Whistlers. | Physics | Theory | 3 | 3-1-0 | N | | 30 | 10 | 60 | 100 |
| 8. | Ph.D. | Physics | 1 st | | Condensed Matter Physics-1. | Physics | Theory | 3 | 3-1-0 | N | | 30 | 10 | 60 | 100 |
| 9. | Ph.D. | Physics | 1 st | | Condensed Matter Physics-11. | Physics | Theory | 3 | 3-1-0 | N | | 30 | 10 | 60 | 100 |

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| 10. | Ph.D. | Physics | 1 st | | Group Theory. | Physics | Theory | 3 | 3-1-0 | N | | 30 | 10 | 60 | 100 |
| 11. | Ph.D. | Physics | 1 st | | Introduction to Superconductivity & High- Tc Materials. | Physics | Theory | 3 | 3-1-0 | N | | 30 | 10 | 60 | 100 |
| 12. | Ph.D. | Physics | 1 st | | Growth and Imperfection of Materials. | Physics | Theory | 3 | 3-1-0 | N | | 30 | 10 | 60 | 100 |
| 13. | Ph.D. | Physics | 1 st | | Characterization of Materials. | Physics | Theory | 3 | 3-1-0 | N | | 30 | 10 | 60 | 100 |