

**M. Sc. Geography  
Semester – III**

**Core Courses (CC)**

| Sr. No. | Course Code | Nomenclature of the course  | Credits |   |   |       | Contact Hrs/week | Maximum Marks |    |    |       |
|---------|-------------|---|---------|---|---|-------|------------------|---------------|----|----|-------|
|         |             |   | L       | T | P | Total |                  | Theory        | IA | P  | Total |
| 1       | GEOG301     | Regional development and Planning with special reference to India     | 4       | 0 | 0 | 4     | 4                | 80            | 20 | 0  | 100   |
| 2       | GEOG302     | Environmental Geography   | 4       | 0 | 0 | 4     | 4                | 80            | 20 | 0  | 100   |
| 3       | GEOG303     | Remote Sensing (RS)   | 4       | 0 | 0 | 4     | 4                | 80            | 20 | 0  | 100   |
| 4       | GEOG304     | Geographical Information System (GIS)                                 | 4       | 0 | 0 | 4     | 4                | 80            | 20 | 0  | 100   |
| 5       | GEOG305     | Seminar/Journal Club  |         |   |   | 1     | -                | -             | -  | -  | 25    |
| 6       | GEOG306     | Self-Study Paper  |         |   |   | 1     | -                | -             | -  | -  | 25    |
| 7       | GEOG307     | Lab Course-I : Visual Interpretation of Aerial Photographs            | 0       | 0 | 4 | 4     | 8                | -             | -  | 50 | 50    |
| 8       | GEOG308     | Lab Course -2 (Field- Work): Socio- Economic Survey & Report Writing) | 0       | 0 | 4 | 4     | 8                | -             | -  | 50 | 50    |

**Discipline Centric Elective courses (DCEC): Any one of the following three courses**

|    |         |                        |   |   |   |   |   |    |    |   |     |
|----|---------|------------------------|---|---|---|---|---|----|----|---|-----|
| 9  | GEOG309 | Agricultural Geography | 4 | 0 | 0 | 4 | 4 | 80 | 20 | 0 | 100 |
| 10 | GEOG310 | Biogeography           | 4 | 0 | 0 | 4 | 4 | 80 | 20 | 0 | 100 |
| 11 | GEOG311 | Political Geography    | 4 | 0 | 0 | 4 | 4 | 80 | 20 | 0 | 100 |

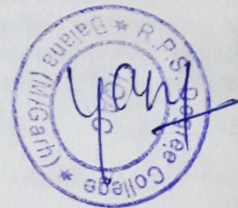
**Open Elective Courses (OEC): To be opted out of a pool of OECs.**

To be chosen from the pool of Open Elective courses provided by the University (Excluding the OEC offered by the Dept. of Geography)

|              |         |                           |   |   |   |           |           |    |    |   |            |
|--------------|---------|---------------------------|---|---|---|-----------|-----------|----|----|---|------------|
| 12           | GEOG312 | Fundamentals of Geography | 3 | 0 | 0 | 3         | 3         | 80 | 20 | 0 | 100        |
| <b>Total</b> |         |                           |   |   |   | <b>33</b> | <b>39</b> |    |    |   | <b>750</b> |

**Total Credits: 33**

**Total Contact hours per week: 39**



**Scheme of Examination**  
**B. Sc. (Hons.) Physics Semester-V & VI for the sessions 2018-19**

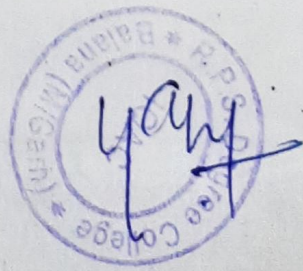
**Semester-V**

| Paper No.   | Title  | Periods Per week | Total Marks | Internal Assessment | Max. Marks |
|-------------|--|------------------|-------------|---------------------|------------|
| Phy-501     | Mathematical Physics V   | 3                | 50          | 10                  | 40         |
| Phy-502     | Electro-magnetic Theory-I  | 3                | 50          | 10                  | 40         |
| Phy-503     | Statistical Physics-I  | 3                | 50          | 10                  | 40         |
| Phy-504     | Physics of Materials -I  | 3                | 50          | 10                  | 40         |
| Phy-505     | Electronics Devices: Physics and Application -I                              | 3                | 50          | 10                  | 40         |
| Phy-506     | Any one of the following<br>(a) Nano Technology<br>(b) Environmental Physics | 3                | 50          | 10                  | 40         |
|             |  | 3                | 50          | 10                  | 40         |
| Phy-507     | Physics Lab. V   | 6                | 75          | --                  | 75         |
| Phy-508     | Physics Lab. VI And Project  | 6                | 75          | --                  | 75         |
| Total Marks |  |                  | 450         |                     |            |

**Semester-VI**

| Paper No.   | Title  | Periods Per week | Total Marks | Internal Assessment | Max. Marks |
|-------------|--|------------------|-------------|---------------------|------------|
| Phy-601     | Mathematical Physics VI  | 3                | 50          | 10                  | 40         |
| Phy-602     | Electro-magnetic Theory-II   | 3                | 50          | 10                  | 40         |
| Phy-603     | Statistical Physics-II   | 3                | 50          | 10                  | 40         |
| Phy-604     | Physics of Materials -II   | 3                | 50          | 10                  | 40         |
| Phy-605     | Electronics Devices: Physics and Application -II                             | 3                | 50          | 10                  | 40         |
| Phy-606     | Any one of the following<br>(a) Nano Technology<br>(b) Environmental Physics | 3                | 50          | 10                  | 40         |
|             |  | 3                | 50          | 10                  | 40         |
| Phy-607     | Physics Lab. VII   | 6                | 75          | ---                 | 75         |
| Phy-608     | Physics Lab. VIII And Project  | 6                | 75          | ---                 | 75         |
| Total Marks |  |                  | 450         |                     |            |

4



# Indira Gandhi University, Meerpur- Rewari

## B.A. Geography (Pass Course)

with effect from the Academic Session 2020-21

### B.A. FIRST YEAR - Semester-I w.e.f. 2020-21

| Sr. No | Course Code | Nomenclature of the course  | Theory | Internal Assessment | Practical/ Lab | Total |
|--------|-------------|-----------------------------|--------|---------------------|----------------|-------|
| I      | UG-GEO 101  | Geography of India          | 60     | 15                  | -              | 75    |
| II     | UG-GEO 102  | Maps and scales (Practical) | -      | -                   | 25             | 25    |

### Semester-II

|     |            |   |    |    |    |    |
|-----|------------|---|----|----|----|----|
| III | UG-GEO 103 | Physical Geography-I                            | 60 | 15 | -  | 75 |
| IV  | UG-GEO 104 | Representation of Physical Features (Practical) | -  | -  | 25 | 25 |

### B.A. SECOND YEAR- Semester-III w.e.f. 2021-22

|    |            |  |    |    |    |    |
|----|------------|--|----|----|----|----|
| V  | UG-GEO 201 | Physical Geography-II                                  | 60 | 15 | -  | 75 |
| VI | UG-GEO 202 | Representation of Climatic Data and Survey (Practical) | -  | -  | 25 | 25 |

### Semester-IV

|      |            |   |    |    |    |    |
|------|------------|---|----|----|----|----|
| VII  | UG-GEO 203 | Human Geography                         | 60 | 15 | -  | 75 |
| VIII | UG-GEO 204 | Maps projections and Survey (Practical) | -  | -  | 25 | 25 |

### B.A. THIRD YEAR- Semester-V w.e.f. 2022-23

|    |            |  |    |    |    |    |
|----|------------|--|----|----|----|----|
| IX | UG-GEO 301 | Economic Geography                                 | 60 | 15 | -  | 75 |
| X  | UG-GEO 302 | Distribution Maps, Diagrams and Survey (Practical) | -  | -  | 25 | 25 |

### Semester-VI

|     |            |  |    |    |    |    |
|-----|------------|--|----|----|----|----|
| XI  | UG-GEO 303 | Introduction to Remote Sensing, GIS and Quantitative Methods       | 60 | 15 | -  | 75 |
| XII | UG-GEO 304 | Introduction to Remote Sensing and Field Survey Report (Practical) | -  | -  | 25 | 25 |

