

**Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal**  
**Course of Study and Scheme of Examination**  
**B.E. Information Technology**  
**SEMESTER – VII**

Revised Syllabus and Scheme of Examination Effective from July 2011-2012

| S. No. | Course Category | Course Code (New) | Name of Course                      | Hours Per week |   |    | C R E D I T S | Distribution of Marks |                 |                     |     |     |          |
|--------|-----------------|-------------------|-------------------------------------|----------------|---|----|---------------|-----------------------|-----------------|---------------------|-----|-----|----------|
|        |                 |                   |                                     |                |   |    |               | Theory Exam           | Practical Block | Internal Assessment |     |     | Total    |
|        |                 |                   |                                     |                |   |    |               |                       |                 |                     |     |     |          |
|        |                 |                   |                                     | L              | T | P  | C             | I                     | II              |                     |     | III | I+II+III |
| 1      | DC-19           | IT 701            | Object Oriented Analysis and Design | 3              | 1 | 2  | 6             | 100                   | 50              | 20                  | 30  | 50  | 200      |
| 2      | DC-20           | IT 702            | Wireless and Mobile Computing       | 3              | 1 | 0  | 4             | 100                   | --              | 20                  | --  | 20  | 120      |
| 3      | DC-21           | IT 703            | Information Storage & Management    | 3              | 1 | 2  | 6             | 100                   | 50              | 20                  | 30  | 50  | 200      |
| 4      | DCO(E)-I        | Refer table below | Elective I                          | 3              | 1 | 0  | 4             | 100                   | --              | 20                  | --  | 20  | 120      |
| 5      | DCO(E)-II       | Refer table below | Elective-II                         | 3              | 1 | 0  | 4             | 100                   | --              | 20                  | --  | 20  | 120      |
| 6      | DC-22           | IT 704            | Major Project-I                     | 0              | 0 | 4  | 4             | --                    | 50              | --                  | 50  | 50  | 100      |
| 7      | DC-23           | IT 705            | Industrial Training (Six Weeks)*    | 0              | 0 | 0  | 4             | --                    | 50              | --                  | 30  | 30  | 80       |
| 8      | NECC-9          | IT 706            | Self Study                          | 0              | 0 | 1  | 1             | --                    | --              | --                  | 30  | 30  | 30       |
| 9      | NECC-10         | IT 707            | Seminar/Group Discussion etc.       | 0              | 0 | 1  | 1             | --                    | --              | --                  | 30  | 30  | 30       |
| Total  |                 |                   |                                     | 15             | 5 | 10 | 34            | 500                   | 200             | 100                 | 200 | 300 | 1000     |

\* Student will undertake industrial training in the summer break, after VI semester in assessed in VII semester, MST-Mid Semester Test, TW- Term Work.

| ELLECTIVE-I  |                                      |        |                           |        |                            |        |                              |        |                          |
|--------------|--------------------------------------|--------|---------------------------|--------|----------------------------|--------|------------------------------|--------|--------------------------|
| IT 710       | Advanced concepts in database system | IT 711 | Simulation and Modeling   | IT 712 | Human Computer Interaction | IT 713 | Automata and Compiler Design |        |                          |
| ELLECTIVE-II |                                      |        |                           |        |                            |        |                              |        |                          |
| IT 720       | Embedded System                      | IT 721 | E-Commerce and Governance | IT 722 | High performance computing | IT 723 | Bio-Informatics              | IT 724 | Unix & Shell Programming |

- Note :-** 1. Minimum strength of **Ten Students** is required to offer an Elective in the College in a particular Academic Session.
2. Choice of Elective Course ones made for an examination cannot be changed for future examinations.