

Rajiv Gandhi Proudyogiki Vishwavidyalaya, Bhopal
New Scheme of Examination as per AICTE Flexible Curricula
Bachelor of Technology (B.Tech.) [Information Technology]

III Semester

For batches admitted in July, 17 & July, 18 (w.e.f. July, 2018)

| S.No. | Subject Code | Category | Subject Name | Maximum Marks Allotted | | | | | Total Marks | Contact Hours per week | | | Total Credits |
|-------|--------------|----------|---|---|----------------|------------------|------------|--------------------------------|-------------|------------------------|----------|-----------|---------------|
| | | | | Theory | | | Practical | | | L | T | P | |
| | | | | End Sem. | Mid Sem. Exam. | Quiz/ Assignment | End Sem | Term work Lab Work & Sessional | | | | | |
| 1. | ES301 | HSMC-3 | Energy & Environmental Engineering | 70 | 20 | 10 | - | - | 100 | 3 | 1 | - | 4 |
| 2. | IT302 | DC-1 | Discrete Structure | 70 | 20 | 10 | - | - | 100 | 3 | 1 | - | 4 |
| 3. | IT303 | DC-2 | Data Structure | 70 | 20 | 10 | 30 | 20 | 150 | 3 | - | 2 | 4 |
| 4. | IT304 | DC-3 | Object Oriented Programming & Methodology | 70 | 20 | 10 | 30 | 20 | 150 | 3 | - | 2 | 4 |
| 5. | IT305 | DC-4 | Digital Circuits & System | 70 | 20 | 10 | 30 | 20 | 150 | 3 | - | 2 | 4 |
| 6. | IT306 | DLC-3 | JAVA Programming Lab | - | - | - | 30 | 20 | 50 | - | - | 4 | 2 |
| 7. | BT107 | DLC-1 | Evaluation of Internship-I completed at I year level | - | - | - | - | 50 | 50 | | | 4 | 2 |
| 8. | BT307 | DLC-4 | 90 hrs Internship based on using various software's –Internship -II | To be completed anytime during Third/ fourth semester. Its evaluation/credit to be added in fifth semester. | | | | | | | | | |
| | | | Total | 350 | 100 | 50 | 120 | 130 | 750 | 15 | 2 | 14 | 24 |
| | | | NSS/NCC | | | | | | | | | | |

| | | |
|--------------|---------------|----------------|
| 1 Hr Lecture | 1 Hr Tutorial | 2 Hr Practical |
| 1 Credit | 1 Credit | 1 Credit |

Rajiv Gandhi Proudhyogiki Vishwavidyalaya, Bhopal

Semester V

Credit Based Grading System (CBGS) w.e.f. July 2017

Scheme of Examination

Bachelor of Engineering B.E. (Information Technology)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2017 Academic Session-2017-18

| S. No. | Subject Code | Subject Name & Title | Maximum Marks Allotted | | | | | | Hours / week. | | | Total Credits | Remarks | |
|--------|-----------------|--|------------------------|--------------|------------------|-----------|----------|-----------------------------|---------------|----|---|---------------|---------|--|
| | | | Theory | | | Practical | | | Total Marks | L | T | | | P |
| | | | End Sem | Mid Sem. MST | Quiz, Assignment | End Sem. | Lab Work | Assignment /Quiz/Term paper | | | | | | |
| 1 | IT -5001 | Theory of Computation | 70 | 20 | 10 | - | - | - | 100 | 3 | 1 | - | 4 | One credit refers to one hour teaching in theory, Tutorial and in practical. |
| 2 | IT -5002 | Principles of Programming Languages | 70 | 20 | 10 | 30 | 10 | 10 | 150 | 3 | 1 | 2 | 6 | |
| 3 | IT -5003 | Computer Network | 70 | 20 | 10 | 30 | 10 | 10 | 150 | 3 | 1 | 2 | 6 | |
| 4 | IT -5004 | Digital Communication | 70 | 20 | 10 | 30 | 10 | 10 | 150 | 3 | 1 | 2 | 6 | |
| 5 | IT -5005 | Elective-I | 70 | 20 | 10 | - | - | - | 100 | 3 | 1 | - | 4 | |
| 6 | IT -5006 | Application Development Lab | - | - | - | 30 | 10 | 10 | 50 | - | - | 2 | 2 | |
| 7 | IT -5007 | Management Skill Development (Internal Assessment) | - | - | - | - | - | 50 | 50 | - | - | 2 | 2 | |
| 8 | IT -5008 | Innovative Thinking (Internal Assessment) | - | - | - | - | - | 50 | 50 | - | - | 2 | 2 | |
| | | | 350 | 100 | 50 | 120 | 40 | 140 | 800 | 15 | 5 | 12 | 32 | 800 |

MST: Minimum of two mid semester tests to be conducted.

L: Lecture

T: Tutorial

P: Practical

| Department Elective-I (Four Subjects) | | |
|--|------|---------------------------------------|
| S. No. | Code | Subject Name |
| 1 | A | Microprocessor and Interfacing |
| 2 | B | Software Testing |
| 3 | C | Data Communication |
| 4 | D | Java Programming |

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Scheme of Examination

Bachelor of Engineering B.E. (Information Technology)

Subject wise distribution of marks and corresponding credits

Scheme of Examination w.e.f. July-2018 Academic Session-2018-19

Semester VII

| S. No. | Subject Code | Subject Name & Title | Maximum Marks Allotted | | | | | | | Hours / week. | | | Total Credits | Remarks |
|--------|-----------------|-------------------------------------|------------------------|--------------|------------------|-----------|----------|-----------------------------|-------------|---------------|---|----|---------------|--|
| | | | Theory | | | Practical | | | Total Marks | L | T | P | | |
| | | | End Sem | Mid Sem. MST | Quiz, Assignment | End Sem. | Lab Work | Assignment /Quiz/Term paper | | | | | | |
| 1 | IT-7001 | Cloud Computing | 70 | 20 | 10 | 30 | 10 | 10 | 150 | 3 | 1 | 2 | 6 | One credit refers to one hour teaching in theory, Tutorial and in practical. |
| 2 | IT -7002 | Object Oriented Analysis and Design | 70 | 20 | 10 | 30 | 10 | 10 | 150 | 3 | 1 | 2 | 6 | |
| 3 | IT -7003 | Wireless & Mobile Computing | 70 | 20 | 10 | 30 | 10 | 10 | 150 | 3 | 1 | 2 | 6 | |
| 4 | IT -7004 | Elective-III | 70 | 20 | 10 | - | - | - | 100 | 3 | 1 | - | 4 | |
| 5 | IT -7005 | Elective-IV | 70 | 20 | 10 | - | - | - | 100 | 3 | 1 | - | 4 | |
| 6 | IT -7006 | Project -I | - | - | - | 60 | 20 | 20 | 100 | - | - | 4 | 4 | |
| 7 | IT -7007 | Industrial Training (Two weeks) | - | - | - | 30 | 10 | 10 | 50 | - | - | 2 | 2 | |
| | | | 350 | 100 | 50 | 180 | 60 | 60 | 800 | 15 | 5 | 12 | 32 | 800 |

MST: Minimum of two mid semester tests to be conducted.

L: Lecture T: Tutorial P: Practical

| Department Elective-III | | Department Elective-IV | |
|-------------------------|---------------------------|------------------------------|--|
| S. No. | Subject Name | Subject Name | |
| 1 | Cyber Security & forensic | Ad-hoc Network | |
| 2 | E-Commerce & Governance | Artificial Intelligence (AI) | |
| 3 | Simulation & Modeling | Embedded System | |