

SAMRAT ASHOK TECHNOLOGICAL INSTITUTE (ENGG. COLLEGE), VIDISHA (M.P.)
(An Autonomous Institute Affiliated to RGPV, Bhopal)

SCHEME OF EXAMINATION FOR W. E. F. 2011-12

I – SEMESTER: M. TECH. COMPUTER SCIENCE & ENGINEERING

| S. No. | Subject Code | Subject Name | Periods per week | | | Credits | Maximum Marks (Theory Slot) | | | Maximum Marks (Practical Slot) | | Total Marks |
|--------------|--------------|---------------------------------------|------------------|----------|-----------|-----------|-----------------------------|------------|------------------|--------------------------------|------------------|-------------|
| | | | L | T | P | | End Sem Marks | Test (Two) | Quiz/ Assignment | End Sem Practical/ Viva | Quiz/ Assignment | |
| 1. | MCSE-101 | Object Oriented Technology | 3 | 1 | - | 4 | 70 | 20 | 10 | - | - | 100 |
| 2. | MCSE-102 | Advanced Data Structure and Algorithm | 3 | 1 | - | 4 | 70 | 20 | 10 | - | - | 100 |
| 3. | MCSE-103 | Advanced Computer Architecture | 3 | 1 | - | 4 | 70 | 20 | 10 | - | - | 100 |
| 4. | MCSE-104 | Advanced Computer Networking | 3 | 1 | - | 4 | 70 | 20 | 10 | - | - | 100 |
| 5. | MCSE-105 | Elective - I | 3 | 1 | - | 4 | 70 | 20 | 10 | - | - | 100 |
| 6. | MCSE-106 | Laboratory I MCSE-103,MCSE-105 | - | - | 6 | 6 | - | - | - | 90 | 60 | 150 |
| 7. | MCSE-107 | Laboratory II MCSE-102,MCSE-104 | - | - | 6 | 6 | - | - | - | 90 | 60 | 150 |
| Total | | | 15 | 5 | 12 | 32 | 350 | 100 | 50 | 180 | 120 | 800 |

L: Lecture T: Tutorial P: Practical

| Elective-I (MCSE-105) |
|---------------------------------|
| (A) Software Engineering |
| (B) GIS & Remote Sensing |
| (C) Cloud Computing |
| (D) Comp. Graphics & Multimedia |

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II – SEMESTER: M. TECH. COMPUTER SCIENCE & ENGINEERING

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|--------------|--------------|-------------------------------------|------------------|----------|-----------|-----------|-----------------------------|------------|------------------|--------------------------------|------------------|-------------|
| | | | L | T | P | | End Sem Marks | Test (Two) | Quiz/ Assignment | End Sem Practical/ Viva | Quiz/ Assignment | |
| 1. | MCSE-201 | Web Technology and E-commerce | 3 | 1 | - | 4 | 70 | 20 | 10 | - | - | 100 |
| 2. | MCSE-202 | Information Theory and Coding | 3 | 1 | - | 4 | 70 | 20 | 10 | - | - | 100 |
| 3. | MCSE-203 | Mobile Computing | 3 | 1 | - | 4 | 70 | 20 | 10 | - | - | 100 |
| 4. | MCSE-204 | Elective – II | 3 | 1 | - | 4 | 70 | 20 | 10 | - | - | 100 |
| 5. | MCSE-205 | Elective - III | 3 | 1 | - | 4 | 70 | 20 | 10 | - | - | 100 |
| 6. | MCSE-206 | Laboratory III (MCSE-201, MCSE-203) | - | - | 6 | 6 | - | - | - | 90 | 60 | 150 |
| 7. | MCSE-207 | Laboratory IV (MCSE – 202) | - | - | 6 | 6 | - | - | - | 90 | 60 | 150 |
| Total | | | 15 | 5 | 12 | 32 | 350 | 100 | 50 | 180 | 120 | 800 |

L: Lecture T: Tutorial P: Practical

| MCSE-204 Elective-II | MCSE-205 Elective-III |
|--------------------------------|------------------------------|
| (A) Advanced DBMS | (A) MIS ERP CRM |
| (B) Soft computing | (B) Simulation & Modeling |
| (C) Robotics & Computer Vision | (C) Digital Image Processing |
| (D) Distributed Systems | (D) Parallel Computing |

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III – SEMESTER: M. TECH. COMPUTER SCIENCE & ENGINEERING

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|--------------|--------------|--|------------------|----------|-----------|-----------|-----------------------------|------------|------------------|--------------------------------|------------------|-------------|
| | | | L | T | P | | End Sem Marks | Test (Two) | Quiz/ Assignment | End Sem Practical/ Viva | Quiz/ Assignment | |
| 1. | MCSE-301 | Elective IV | 3 | 1 | - | 4 | 70 | 20 | 10 | - | - | 100 |
| 2. | MCSE-302 | Elective V | 3 | 1 | - | 4 | 70 | 20 | 10 | - | - | 100 |
| 3. | MCSE-303 | Seminar | - | - | 4 | 4 | - | - | - | - | 100 | 100 |
| 4. | MCSE-304 | Pre-Dissertation (Literature Review/ Problem formulation/ Synopsis) | - | - | 8 | 8 | - | - | - | 120 | 80 | 200 |
| Total | | | 6 | 2 | 12 | 20 | 140 | 40 | 20 | 120 | 180 | 500 |

L: Lecture T: Tutorial P: Practical

| MCSE-301 Elective IV | MCSE -302 Elective V |
|--------------------------------------|--|
| (A) Data Mining and Ware Housing | (A) Software testing and Quality assurance |
| (B) Web Engineering | (B) Embedded Systems |
| (C) Real Time and Fault Tolerant sys | (C) CORBA Architecture |
| (D) Bio informatics | (D) Network Security |

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|--------------|--------------|-----------------------------------|------------------|---|-----------|-----------|-----------------------------|------------|------------------|--------------------------------|------------------|-------------|
| | | | L | T | P | | End Sem Marks | Test (Two) | Quiz/ Assignment | End Sem Practical/ Viva | Quiz/ Assignment | |
| 1. | MCSE-401 | Dissertation Evaluation & Defence | - | - | 20 | 20 | - | - | - | 300 | 200 | 500 |
| Total | | | - | - | 20 | 20 | - | - | - | 300 | 200 | 500 |

L: Lecture T: Tutorial P: Practical