

COURSE STRUCTURE

The course structure of M.C.A. Shall be as follows.

Semester – I

Code

Course Title

Internal Assessment

Semester Exam

Total

CS-101

Introduction to

Computing and its Applications

40

60

100

CS-102

Mathematical
Foundations

40

60

100

CS-103

Introduction to Programming
Paradigms

40

60

100

CS-104

Statistical
Techniques

40

60

100

CS-105

Business Data

Processing and File System

40

60

100

CS-106

Lab-I (Programming in C+Linux OS)

50

100

150

CS-107

Lab-II (STAT+BDPFS)

50

100

150

Semester – II

CS-201

Computer Architecture

40

60

100

CS-202

Data Structure and Program Design

40

60

100

CS-203

Object Oriented Programming

40

60

100

CS-204

Data Base Management System

40

60

100

CS-205

Object Oriented Analysis and Design

40

60

100

CS-206

Lab-III (OOp + Core Java)

50

100

150

CS-207

Lab-IV (OOAD + DBMS)

50

100

150

Semester – III

CS-301

Operating System

40

60

100

CS-302

Data Communications and Computer Networks

40

60

100

CS-303

Analysis and Design of Algorithms

40

60

100

CS-304

Software Engineering

40

60

100

CS-305

Computer Graphics and Animation

40

60

100

CS-306

Lab-V (OS+CN+CG)

50

100

150

CS-307

Lab-VI (ADA+SE)

50

100

150

Semester – IV

CS-401

Compiler Design

40

60

100

CS-402

Internal Applications and Web Programming

40

60

100

CS-403

Information Security

40

60

100

CS-404

Software Testing and Quality Assurance

40

60

100

CS-405

Multimedia Applications

40

60

100

CS-406

Lab-VII (Javascript+Net)

50

100

150

CS-407

Lab-VIII (STQA+MA+CD)

50

100

150

Semester – V

CS-501

System Programming

40

60

100

CS-502

Artificial Intelligence

40

60

100

CS-503

Elective I

40

60

100

CS-504

Elective II

40

60

100

CS-505

Elective III

40

60

100

CS-506

Lab-I (AI+SP)

50

100

150

CS-507

Lab II (Electives)

50

100

150

Semester – VI

CS-601

100*

400**

500

*Mid term assessment of project progress

**Project Report Evaluation: 200 + Comprehensive Viva Voce: 200

Grand Total – 4500

Elective Courses

Group I

1. Data Mining and warehousing

2. Advance DBMS

3. Multimedia Databases

Group II

1. Network Management

2. Network Programming

3. Advance Internet Tech.

Group III

1. Soft Computing

2. Robotics

3. Knowledge Management

Group IV

1. Principles of Wireless LAN

2. Advanced Java

3. E commerce

Every student shall have to select one elective group of three papers from the four elective groups.

Note : Course Structure may be modified time to time

ATTENDANCE

A candidate appearing at any semester examination will be required to attend at least 75% of the lectures delivered and of the practical classes held separately in each paper.

FEE STRUCTURE

The fee structure of the course will be as follows.

A. For Indian Students (RI)

Admission Fee

Rs. 9,000.00

Caution Money (Refundable) one-time subject to completion of the course

Rs. 5,000.00

Development Fees in the first semester

Rs. 8,000,00

Miscellaneous Fees in the first semester

Rs. 5,000.00

Tuition Fees per semester

Rs. 8,000.00

Examination Fee

Rs. 1,000.00

Total Fees Payable at the time of admission

Rs. 36,000.00

RI Students will have to pay Rs. 36,000/- for the first semester and thereafter Rs. 9,000/- (T.F. 8000/- + Exam Fee 1000/-) Per semester from 2nd to 6th semester.

B. For Non Resident Indian (NRI)

Admission Fee

\$ 300

Caution Money (Refundable) one-time subject to completion of the course

\$ 300

Development Fees in the first semester

\$ 300

Semester Fee (Misc.) per semester

\$ 225

Tuition Fees per semester

\$ 300

Examination Fee per semester

\$ 75

Total Fees Payable at the time of admission

\$ 1500

NRI students will have to pay \$ 1500 for the first semester and thereafter \$ 600 per semester.

ENTRANCE TEST

1. Entrance test for admission to the M.C.A. course will be a written test of 100 marks. The written test will be of one and a half hour duration. There will be 85 objective type questions, each carrying one mark and five subjective type questions, each carrying three marks. There will be questions on logical and mathematical ability, general awareness, fundamentals of computer and English.
2. The question paper will be provided in English only.
3. The list of the selected candidates and any other further direction will be displayed on the Notice Board of the Department of Statistics, Patna University.
4. The admit card for the entrance examination will be given to the candidates at the time of submission of the application forms. Admit cards will not be sent separately.

HOW TO APPLY

The applicants will be required to apply in the prescribed application form to the Head Course coordinator, Department of Statistics, Patna University, Patna. The application form and the prospectus can be obtained from the Department of Statistics, P.U. on submission of a Bank Draft for Rs. 1,000/- payable to Head/Director MCA Course Dept. of Statistics, Patna University, payable at Patna. No additional fee for the entrance examination will be charged.