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## 2. ADMISSION

### 2.1 ADMISSION KIT

The admission kit containing the prospectus, admission form, the examination form and other relevant forms, will be available at the institute or at the admission centers as given in prospectus. The admission kit can be procured at the prescribed fees of RS.100 in cash from Monday to Friday during office time 11.00 a.m. to 2.30 p.m. (lunch break will be from 1.00 p.m. to 1.30 p.m.). To obtain the same by post write to: **The Professor-cum-Director, Institute of Distance and Open Learning, University of Mumbai, Dr. Shankar Dayal Sharma Shavan, Vidyanagari Campus, Santacruz (East), Mumbai 400 098**, giving following particulars:

1. Name and Address with Telephone Number
2. Course (with subjects)
3. Cost of Admission Kit will be RS.100/- it will be accepted by cash only.
4. **Demand of Admission kit by Post:** If you are unable to come in person to collect the admission kit, you may send demand draft of Rs. 150/- (Rs. 100/- will be cost of admission kit and Rs. 50/- for postal charges), mentioning the course and complete postal address.

### DEMAND DRAFT/PAY ORDER

Demand draft! Pay order '**with six months validity**' must be in favour of Professor cum Director, IDOL, University of Mumbai, payable at Mumbai of any nationalized/ scheduled bank. **(Please note that postal order/ money order/ cheque will not be accepted by the institute for admission / Examination fees).**

### 2.2 ADMISSION PROCEDURE

1. Admission fees is to be paid by Demand Draft/Pay Order only. Please write your full name, postal address, telephone number, course, form No. and date of payment of fees on the reverse side of the DO/Pay Order.
2. Submit the application duly completed and signed along with the **original certificates** and **self attested copies** to the staff at the respective counters for verification.
2. Fill in A, S, C, O Parts of Account-cum-Receipt **Form** and retain '**O**' part of the same and your Identity Card duly signed and stamped
4. Collect the study material from the ground floor of the institute. **(Room NO;5)** between 11.00 am. and 5.00 p.m.
5. If you are not in a position to come in person to the institute for securing admission, **you May send your application by registered post to the Director**, along with the certificates and other documents as mentioned above and a Demand Draft/Pay Order for the amount of fees for the course. It must reach institute before the last date fixed for accepting the admission forms. Identity Card and part 'O' of the Account-cum-Receipt and Study Material will be dispatched by Registered Post Parcel only. The application, which is received by the post after the last date; is liable to be rejected.
6. The students, passing in supplementary examination (i.e June/November) of the current academic year, will not be permitted to take admission in the next class for the same year.
7. Roll numbers will be allotted to students in the month of February, 2012 and it will be uploaded on university **web site: www.mu.ac.in.lidol**. Students are requested to check their roll numbers displayed on university web site.
8. Rights to admission is reserved with the Professor-cum-Director, IDOL.
9. Confirmation of Admission: Admission of the student will be provisional at the first stage. It will be confirmed only on submission of the relevant documents/certificates viz TC., Migration Certificate, Statement of Marks passing/Degree certificate etc. and consequently it will be approved by the competent authority of the IDOL and those of University of Mumbai in due course.

## 2.2 A COMMON DOCUMENTS FOR ADMISSION OF ALL COURSES.

(All xerox copies should be self attested):

1. Date of Birth Proof - Two Xerox copies.
2. Proof of Residence: - Produce residential proof (anyone of the following: Election Card/Driving License/Telephone Bill /Electricity Bill /Ration Card/ Society Letter/ Agreement with one Xerox copy).
3. Affix three passport size recent photographs on each of following: Admission Form, Examination Form and Identity Card. '
4. Statement of Marks (all attempts of all lower exams) are required to be submitted with three Xerox copies.
5. XII Std. Original Mark sheet and original XII Passing Certificate with three self attested Xerox copies. (For F.Y.B.Sc. IT / Compo Sc.)
6. Original Leaving Certificate + three Xerox copies. (For FYB.Sc. IT / Compo Sc.)
7. Identity card of previous course (For old IDOL students only)
8. The student from other college affiliated to University of Mumbai who is transferring his/her admission to IDOL. s/he is required to submit original No Objection Certificate (NOC) of current academic year from the concerned college and submit along with three Xerox copies.

## 2.3 : ELIGIBILITY CASE: -

(For other university and CBSE / NIOS / other State Board Candidates) date of issue of the Eligibility Certificate should be of same academic year. Old Eligibility Certificate will not be valid for the admission.

**The students from CBSE, NIOS, H.S.C. Boards other than Maharashtra State, Dip. Ed. and Degree from other than University of Mumbai, will have to obtain the Eligibility Certificate which will be issued from Eligibility Unit, Room No.108, Institute of Distance and Open Learning Dr. Shankar Dayal Sharma Bhavan, Vidy'anagari, Santacruz (E.) Mumbai - 98, before the admission. Original with one self attested photocopy for Provisional Statement of Eligibility Certificate. Such students are requested to collect admission form and immediately apply for provisional Eligibility Certificate which may take 8 to 10 working days. Without provisional Eligibility Certificate student will not be allowed to take admission in any course. .**

**N.B.: Refund of Eligibility fees:** The candidate, who failed to get the Eligibility Certificate, can claim for eligibility fees.

### 2.3.1 Required Documents for Eligibility Certificate:

1. H.S.Cand onwards all examinations (F.Y., S.Y. & T.Y.) Original + 2 self attested xerox copies of mark sheet.
2. Proof of Date of Birth.
3. Proof of Residence.
4. Gap Certificate, if applicable.
5. Migration/T.C. Certificate.
6. Convocation / Degree certificate.

## 2.4 EXAMINATIONS:-

Each student has to obtain proper Hall Ticket prior to each examination and present the same in the examination Hall. Without hall ticket the student will not be permitted to appear in the exam.

## 2.5 H.S.C. PASSING CERTIFICATE:-

The students who have passed their HSC examination before current academic year, he/she has to submit his/her HSC passing certificates at the time of admission. (Those who have passed their HSC examinations in the month of March of the same year have to submit their HSC passing certificate in the month of **December**, of the same Academic Year). No separate correspondence will be made in this behalf.

3. DETAILS OF COURSES IN FACULTY OF SCIENCE

3.1 B.Sc. Computer Science Courses

3.1.1. F.Y.B.SC. COMPUTER -SCIENCE COURSE:- (Yearly Pattern)

(On line admission )

A) ELIGIBILITY FOR ADMISSION:-

Min. Qualification: HSC (XII) Science with Mathematics or Equivalent.

B) REQUIRED DOCUMENTS:-

1) XII<sup>th</sup> Standard Original Mark sheet and Passing Certificate with 6 self attested Xerox copies.

(N.B ..: Please see on page no. 4 of this prospectus for other required documents.)

C) ADMISSION FEES FOR F.Y.B.SC. COMPUTER SCIENCE :-

a) **Rs. 12,390/-** for General category Students.

b) **Rs. 120/-** for the students of Reserve Category (Only for those who are eligible and wish to apply for Freeship/Scholarship Scheme)

D) SUBJECTS

First Year B.Sc. Computer Science (Revised Syllabus from 2009-2010 onwards)

Sr. No.	SUBJECTS
1	Foundation Course I *
2	Physics – I (Mechanic, Properties of Matter, Heat, Sound and Optics * Physics II – II (Electricity, Magnetism, Electronics & Atomic and Nuclear      Physics *
3	Mathematics I (Differential Equations & Calculus) Mathematics II (Discrete Mathematics)*
4	Computer Organization : Paper I & Section I      Introduction to Microprocessors and Computer Architecture : Paper I & Section II
5	Algorithms : Paper II, Section I Programming in C : Paper II & Section II

\*Study Material Available

3.1.2 S.Y.B.Sc. COMPUTER SCIENCE

A) ELIGIBILITY FOR ADMISSION :

Should have passed F.Y.B.Sc. Computer Science in all subjects or equivalent exam from other University.

OR

- Failed in not more than 20 marks at F.Y.B.Sc. Computer Sci. of Mumbai University.
- Should have passed 3 years Diploma course from recognized Institute/ Board.

B) REQUIRED DOCUMENTS:

- Original mark sheet with 4 self attested photocopies of F.Y.B.Sc: Computer Sci. Examination.

(N .B...: Please see on page no. 4 of this prospectus for other required documents.)

- Original Certificate will be returned after verification of Form.

# Student admitted provisionally on eligibility certificate require to submit the Migration certificate, and passing certificate before 31st December.

**C) ADMISSION FEES FOR S.Y.B.SC.COMP.SCI. :**

1) **Rs14.245/- for General category.**

2) **Rs. 120/-** for the students of Reserve Category (Only for those who are eligible and wish to apply for. Freeship/Scholarship Scheme)

**D) SUBJECT:-**

**Second Year B.Sc. Computer Science (Revised Syllabus from 2010-2011 onwards)  
(Without Study Material).**

Sr. No.	SUBJECTS
1	Foundation Course II
2	1. Mathematics I 2. Mathematics II 3. Mathematics III
3	1. Discrete Mathematics 2. Computer Graphics
4	1. C++ & JAVA 2. Data Structure using C/C++
5	1. GUI & Visual Basic 2. Database Management

**\*Study Material Available**

**3.1.3 T.Y.B.SC. COMPUTER SCIENCE**

**A) ELIGIBILITY FOR ADMISSION :**

1. Should have passed in all subjects of FY.B.Sc. Computer Science and S.Y.B.Sc. Computer Science or equivalent exam from other University. .

OR

2. Should have passed in all subjects of F.Y.B.Sc. Computer Science and failed not more than 200 marks in S.Y.B.Sc. Computer Science for students of affiliated college of Mumbai University.

**B) REQUIRED DOCUMENTS:**

1. F.Y.and S.Y. Computer Sc. - Original Mark sheet with 4 attested photocopies.
2. Xerox copy of Identity card of S.Y.B.Sc. Computer Science for old IDOL students.
3. NOC for Mumbai University affiliated college students.

**N.B. :** 1) Original Certificate will be returned after verification of Form.

2) Please see on page no. 4 of this prospectus for other required documents.)

**Student admitted provisionally on eligibility certificate require to submit the migration certificate, and passing certificate before 31..December for confirmation of admission.**

**C) ADMISSION FEES FOR T.Y.B.Sc. Comp. Science:-**

**Rs. 16.410/- (including convocation fees) for General Category.**

**Rs 370/-** (Including Convocation fees) for the students of Reserve Category (Only for those who are eligible and wish to apply for Freeship/Scholarship Scheme).

**D) SUBJECT:-****.Third Year B.Sc. Computer Science (Old Syllabus)**

<b>Sr. No.</b>	<b>SUBJECTS</b>
1.	Data Communication, Networking and Security
2.	Advanced Java
3.	DBMS II & Software Engg.
4.	Single Major Practical

**3.2.1 F.Y.B.Sc. INFORMATION TECHNOLOGY.****(Semester I and Semester II)**(On line admission )**A) ELIGIBILITY for Admission:**

Minimum Qualification: - HSC (XII Std.)with Mathematics or Statistics and should have secured not less than 45% marks in aggregate for open category and less than 40% marks in aggregate in case of reserved category candidates.

Candidates who have passed Diploma Engineering from recognized Board of Technical Education are eligible for direct admission to the Second Year of the B.Sc.IT degree course. with minimum 45% marks required in aggregate for open category and 40% marks in aggregate for reserved category candidates.

**B) REQUIRED DOCUMENTS**

1. XII standard Original Mark sheet and passing certificate ++ with 6 self attested Photocopies.

++ Passing Certificate - The students who Passed their HSC examination before Current Academic Year, have to submit their HSC passing certificates at the time of admission. The students those passed their HSC examinations in March of the current year have to submit their HSC passing certificates in the month of December of the Current Academic Year.

**N.B.:** 1) \* Original Certificate will be returned after verification of Form.

2) Please see on page no. 4 of this prospectus for other required documents.

# Student admitted on provisionally on eligibility certificate require to submit the migration, certificate, and passing certificate before 31- December for confirmation of admission.

**C) ADMISSION FEES FOR F.Y.B.Sc.IT:-**

**Rs.16.200/- for General category.**

**Rs. 120/-** for the students of Reserve Category (Only for those who are eligible and wish to apply for Freeship/Scholarship Scheme)



**D) SUBJECTS:**

**First Year B.Sc. (IT) Semester I and Semester II (Old Syllabus)  
(With Study Material)**

SEMESTER I		
Theory Code	Practical Code	Subject
USIT101	USIT1P1	Professional Communication Skills
USIT102	USIT1P2	Applied Mathematics - I
USIT103	USIT1P3	Fundamentals of Digital Computing
USIT104	USIT1P4	Electronics & Communication Technology
USIT105	USIT1P5	Introduction to C++ programming
SEMESTER II		
Theory Code	Practical Code	Subject
USIT201	USIT2P1	Web Technologies
USIT202	USIT2P2	Applied Mathematics - II
USIT203	USIT2P3	Microprocessor and Microcontrollers
USIT204	USIT2P4	Database Management Systems
USIT205	USIT2P5	Data Communication and Network Standards

**N.B.:- ASSIGNMENT SUBMISSION OF B.Sc. I.T.**

1. Students are asked to submit their respective Term Works/Assignments at their respective PCP centres. Only A.T.K.T. & Failed students should submit at I.D.O.L. in Room No. 12 at the time of receiving examination Hall Ticket.

2. Student who fails to submit his/her Term Works/Assignments in time, their Examination Hall Ticket will not be issued under any circumstances.

**3.2.2 S.Y.B.Sc. (Information Technology)  
(Sem. III and Sem. IV)**

**A) ELIGIBILITY FOR ADMISSION :**

1. Should have passed F.Y.B.Sc. IT in all subject or equivalent exam of other University.
- OR**
2. Failed not more than 200 marks of F.Y.B.Sc. IT for Mumbai University students.
3. Should have passed 3 years diploma from any recognized States /Central board.

**B) REQUIRED DOCUMENT**

1. F.Y.B.Sc. IT Original Mark sheet with 6 attested photocopies.
2. F.Y.B.Sc. IT. identity card for old IDOL students. "
3. Original NOC for affiliated college students.

**N.B.:** Please see on page no. 4 of this prospectus for other required documents.

++ Passing Certificate - The students who Passed their Diploma examination before Current Academic Year, have to submit their Diploma passing certificates at the time of admission. The students those passed their Diploma examinations in March of the current year have to submit their Diploma passing certificates in the month of December of the Current Academic Year.

Original Certificate will be returned after verification of Form.

# Student admitted on provisionally on eligibility certificate require to submit the migration certificate, and passing certificate before 31' December for confirmation of admission.

**C) ADMISSION FEES FOR S.Y.B.Sc.IT:-**

, **Rs.16.540 /-** for General category.

. **Rs. 120/-** for the students of Reserve Category (Only for those who are eligible and wish to apply for Freeship/Scholarship Scheme)

**D) SUBJECTS:**

**Second Year B.Sc. (IT) Semester III and Semester IV  
(With Study Material)**

Second Year B.Sc.(IT) Semester III		Second Year B.Sc.(IT) Semester IV	
Sr.No.	Subject	Sr.No.	Subject
1	Computational Mathematics	1	Data Base Concepts and Systems
2	Systems Programming UNIX	2	Operating Systems
3	Object Oriented Programming	3	C++ & JAVA
4	Computer Networks	4	E-Commerce
5	Logic, Discrete Mathematical Structures	5	Software Engineerig

**N.B.:- ASSIGNMENT SUBMISSION OF B.Sc. I.T.**

1. Students are asked to submit their respective Term Works/Assignments at their respective PCP centres. Only A.T.K.T. & Failed students should submit at I.D.O.L. in Room No. 12 at the time of receiving examination Hall Ticket.

2. Student who fails to submit his/her Term Works/Assignments in time, their Examination Hall Ticket will not be issued under any circumstances.

**3.2.3 T.Y.B.Sc. Information Technology  
(Sem. V and Sem. VI)**

**A) ELIGIBILITY FOR ADMISSION :**

1. Should have passed in all subjects of F.Y.B.Sc. I.T. and S.Y.B.Sc. I.T. or equivalent exam.other Universities.
2. Should have passed in all subjects of F.Y.B.Sc. I.T. and failed not more than 200 marks in S.Y.B.Sc. I.T. ofMumbai University.

**B) REQUIRED DOCUMENTS:**

1. F.Y./S.Y. B. Sc.IT Original Mark sheets with 6 self attested photocopies.
2. S.Y.B.Sc. I.T.-Identity card for old IDOL students.
3. OriginalNOC for affiliated college students.

**N.B.:** Please see on page no. 4 ofthis prospectus for other required documents.

**Original Certificate will be returned after verification of Form.**

**Student admitted provisionally on eligibility certificate require to submit the migration Certificate, and passing certificate before 31" December for confirmation of admission.**

**C) . ADMISSION FEES FOR T.Y.B.Sc.IT:-**

**Rs. 17.870/- (including convocation fees) for General Category.**

**Rs 370/-** (Including Convocation fees) for the students of Reserve Category (Only for those who are. eligible and wish to apply for Freeship/Scholarship Scheme).



### C) SUBJECTS:

#### Third Year B.Sc. (IT) Semester V and Semester - VI , (With Study Material)

Third Year B.Sc.(IT) Semester V		Third Year B.Sc.(IT) Semester VI	
Sr.No.	Subject	Sr.No.	Subject
1	Internet Security	1	C# (C Sharp)
2	Visual Basic 6	2	Internet Technologies
3	SQL 2	3	CRM
4	Elective Select (Any One)	4	Elective Select (Any one)
4.1	Web Design and Internet based application	4.1	Total Supply Chain Management
4.2	Advance Java	4.2	Project Management
5	Elective Select (Any One)	5	Project
5.1	ERP Systems		
5.2	Management Information Systems		

N.B.:- ASSIGNMENT SUBMISSION OF B.Sc. I.T.

1. Students are asked to submit their respective Term Works/Assignments in respect of Sem. – V in respective PCP Center and the Project (Black Copy) in respect of Sem. – VI at I.D.O.L. in Room No. 12 as and when the date will be inform to the students by the Co-ordinator or the office inform the same through website.

2. Student who fails to submit his/her Term Works/Assignments/ Project in time, their Examination Hall Ticket will not be issued under any circumstances.

### 3.3 M.Sc. (COMPUTER SCIENCE) COURSE

#### Two Years Post Graduate Degree Course (On line admission)

#### 3.3.1 M.Sc. (COMPUTER SCIENCE): PART I

##### A) ELIGIBILITY:

Minimum Qualification: Graduate in B.Sc.. with Statistics or Physics or Mathematics or B.Sc. Compo SC. or B.,SC. IT. or equivalent of a Statutory University.

##### B). REQUIRED DOCUMENTS:-

1. Original Mark sheet with 6 self attested photocopies; of the graduation level examination as per eligibility criteria.
2. Convocation Degree Certificates 3 Self attested photocopies

N.B.: Please see on page no. 4 of this prospectus for other required documents.

Original Certificate will be returned after verification of Form.

# Student admitted provisionally on eligibility certificate require to submit the migration certificate, and passing/degree certificate before 31<sup>st</sup> December for confirmation of admission.

CJ ADMISSION FEES FOR PART I:

- i) Rs.12.025/- for General category.
- ii) Rs. 1000/- for the students of Reserve Category (Only for those who are eligible and wish to apply for Freeship/Scholarship Scheme).

B) SUBJECTS for M.Sc. (Computer Sc.) Part –I/II

M.Sc. (Computer Science) Part - I			M.Sc. (Computer Science) Part - II		
Sr. No.	Subject	Study Material	Sr. No.	Subject	Study Material
1.	Principles of Compiler Design I & Principles of Compiler Design II	Yes	1.	Artificial Intelligence and Image Processing	No
2.	Digital Signal Processing I & Digital Signal Processing II	Yes	2.	Distributed Computing and Embedded Systems	No
3.	Mobile Computing and Mobile Computing and Modeling	Yes	3.	Elective I Enterprise Networking and Satellite Communication	No
4.	Data Warehousing & Mining and Advanced Database Systems	No	4.	Elective II Optimization Technique and CRM	No
			5.	Project	

C) Standard of Passing:-

To pass the examination the candidate must secure 18 marks out of 75 marks in each Theory paper separately & 120 marks out of 300 marks in aggregate of all Theory papers and 12 marks out of 50 marks in each practical separately & 80 marks of out of 200 marks in aggregate of practical.

3.3.1 M.Sc. (COMPUTER SCIENCE) PART- II

0.2245 : Students will not be permitted to appear for M.Sc. Part -II examination unless he/she has passed the Part I examination, previously.

0.2289 :The students will not be permitted to appear for M.Sc. Part -II examination unless he / she has taken the Bachelor's Degree earlier at a Convocation.

A) ELIGIBILITY FORADMISSION:-

M.Sc. Part I students can take admission to M.Sc. Part II Course irrespective of pass or fail in M.Sc. part I examination .However, they will not be allowed to write M.Sc. part II examination unless they pass M.Sc. part I examination held in the month of Oct/Nov. and submission of M.Sc. Part -I Mark sheet within ten days after declaration of result.

0.2239: No candidate will be permitted to appear for the M.Sc. Part II examination unless he has taken the Bachelors degree earlier, in person or in absentia at Convocation.

B) REQUIRED DOCUMENTS:-

1. Original Mark sheet with 6 attested photocopies, of the M.Sc. Computer Science Part -I examination.
2. M.Sc. Part -I Identity card for IDOL students .
3. Convocation degree certificate two self attested Xerox copies.

N.B.: Please see on page no. 4 of this prospectus for other required documents.

**C) ADMISSION FEES:-**

**Rs.10,850/-** including Convocation fees for General Category students

**Rs. 1250/-** (Including Convocation fees) for the students of Reserve Category (Only for those who are eligible and wish to apply for Freeship/Scholarship Scheme).

**3.4 M. Sc. (INFORMATION TECHNOLOGY)  
Two Years Post Graduate Course  
(On line admission)**

**3.4.1. M.Sc. (Information Technology) Part – I**

**A) ELIGIBILITY FOR ADMISSION:-**

Minimum Qualification: Graduate in B Sc. Compo SC.or B SC. IT. or equivalent Degree or B.E. in any branch of a Statutory University

**B) REQUIRED DOCUMENTS:-**

1. Original Mark sheet with 6 self attested photocopies, of the graduation level examination as per eligibility criteria.

**N.B.:** Please see on page no. 4 of this prospectus for other required documents.

Original Certificate will be returned after verification of Form.

Student admitted provisionally on eligibility certificate require to submit the migration certificate, and passing Degree certificate before 31' December, for confirmation of admission

**C] ADMISSION FEES PART I:**

**Rs.12.025 /-** for General category.

**Rs. 1000/-** for the students of Reserve Category (Only for those who are eligible and wish to apply for Freeship/Scholarship Scheme).

**D) SUBJECTS:-For M.Sc. (Information Technology) Part-I/ II**

M.Sc. (Information Technology) Part - I			M.Sc. (Information Technology) Part - II		
Sr. No.	Subject	Study Material	Sr. No.	Subject	Study Material
1.	Computer Simulation & Modeling and Programming with Components	Yes	1.	Software Testing and Information Security	No
2.	Mobile Computing and advanced Computer Networks	Yes	2.	Artificial Intelligence and Robotics	No
3.	Image Processing and Speech Recognition	No	3.	Elective I Intelligent Systems and Neural Networks & Fuzzy Systems	No
4.	Data Warehousing & Mining and Advanced Database System	No	4.	Elective II Multimedia Systems & Convergence of technologies and Java Technology	No
			5.	Project	

**E) STANDARD OF PASSING:-**

To pass the examination the candidate must secure 18 marks out of 75 marks in each Theory paper separately & 120 marks out of 300 marks in aggregate of all Theory papers and 12 marks out of 50 marks in each practical separately & 80 marks of out of 200 marks in aggregate of practicals.

### **3.4.1 M.Sc. (Information Technology) Part- II**

#### **A) ELIGIBILITY OF ADMISSION:-**

M.Sc. Part I students can take admission to M.Sc. Part II Course irrespective of pass or fail in M.Sc. part I examination. However, they will not be allowed to write M.Sc. part II examination unless they pass M.Sc. part- I examination held in the month of Oct/Nov. and submission of M.Sc. Part -I Mark sheet within ten days after declaration of result.

**0.2239:-** No candidate will be permitted to appear for the M.Sc. Part II examination unless he has taken the Bachelors degree earlier, in person or in absentia at Convocation.

#### **B) REQUIRED DOCUMENTS :-**

1. Original Mark sheet with 6 self attested photocopies, of the M.Sc. IT Pari-I examination.
2. M.Sc. Part - I Identity card for old IDOL students.
3. Convocation degree certificate two self attested Xerox copies.

N.B.: Please see on page no. 4 of this prospectus for other required documents.

#### **C) ADMISSION FEES:**

1. **Rs.10,850/- for General Category - Including convocation fees.**
2. **Rs.1250/- (Including Convocation fees) for the students of Reserve Category (Only for those who are eligible and wish to apply for Freeship/Scholarship Scheme).**  
**(Only those who apply for Scholarship/freeship Scheme)**

#### **C) STANDARD OF PASSING:-**

To pass the examination the candidate must secure 18 marks out of 75 marks in each Theory paper separately & 120 marks out of 300 marks in aggregate of all Theory papers and 06 marks out of 25 marks in each practical separately & 80 marks of out of 200 marks taken to gather of practical's (100 marks) and project (100 marks).

Those of the successful candidates who obtain at least 60 per cent of the total marks obtainable at the two Parts taken together will be placed in the First Class and those who obtain at least 50 per cent of the total marks obtainable at the Two Parts taken together, in the Second class.

## 4. DETAILS OF COURSES IN FACULTY OF TECHNOLOGY

### 4.1 Master of Computer Application Course (MCA) Three years (Six semesters) Post Graduate Course (On line admission)

#### MCA - Term work

**0.2648:** where a term work, Test and Internal Assessment in a subject is prescribed, every candidate shall have to produce a certificate from the Principal of his college of his having completed the same to the satisfaction of the Principal prior to his appearing for the examination. The term work /Test will be evaluated internally by the teachers teaching the subject.

#### 4.1.1 First Year M.C.A. - Semester I & II

##### A) ELIGIBILITY FOR SEMESTER I

Minimum Qualification: Graduate in any faculty of a statutory University with minimum 45% marks (minimum 40% for reserved category) and Mathematics at XII or higher level. There will be an Entrance test for the admission in MCA course.

Entrance Test: Provisional selection for the Entrance Test will be made through Institute of Distance and Open Learning, University of Mumbai.

##### B) REQUIRED DOCUMENTS:

1. **Original Mark sheet and passing certificate with 6 self attested photocopies at graduate level examination.**

**N.B.:** 1) \* Original Certificate will be returned after verification of Form.  
2) Please see on page no. 4 of this prospectus for other required documents.  
3) # **Student admitted provisionally on eligibility certificate require to submit the migration certificate, and passing Degree certificate before 31<sup>st</sup> December.**

##### C) ADMISSION FEES: - for first year M.CA course

- I) **Rs. 15.715/- for General category.**
- II) **Rs. 1000/-** for the students of Reserve Category (Only for those who are eligible and wish to apply for Freeship/Scholarship.

##### A) ELIGIBILITY FOR SEMESTER II

**0.2652** No candidate will be allowed to appear for semester II examination by itself unless he has passed previously in all the subject of semester I.

**0.2653** Candidate will have the optional to appear in the subject of semester I simultaneously with subject of semester II examination either.

- (I) In view of their having obtained less than 45 per cent of the full marks:
- (II) In view of their failure to appear for semester I examination for any reason deemed Satisfactory by the Head of the Institution.

##### B) REQUIRED DOCUMENTS:

- I) Sem. I Mark sheet 3 self attested Xerox copies.

C) SUBJECTS

MCA FIRST YEAR (REVISED) SEMESTER - I AND SEMESTER - II

M.C.A. Semester - I		M.C.A. Semester - II	
(Revised Syllabus from 2007-2008 onwards.)			
Sr. NO.	Subject	Sr. NO.	Subject
1	Programming with C	1	Data Structures
2	System Analysis Design	2	Operating Systems
3	Computer Organization and Architecture	3	Financial Management
4	Discrete Mathematics	4	Computer Graphics
5	Principles of Economics and Management	5	Probability and Statistics
6	Introduction to Web Technology	6	Communication and Soft Skill

N.B.:- ASSIGNMENT SUBMISSION OF M.C.A..

1. Students are asked to submit their respective Term Works/Assignments at their respective PCP centres. Only A.T.K.T. & Failed students should submit at I.D.O.L. in Room No. 12 at the time of receiving examination Hall Ticket.

2. Student who fails to submit his/her Term Works/Assignments in time, their Examination Hall Ticket will not be issued under any circumstances.

4.1.2 Second Year M.C.A. Semester III & IV

A) Semester III - Eligibility for Admission

0.2655 : A candidate who has passed the semester I examination and has satisfactorily completed the terms for the semester II. Provided, however a candidate who has passed the semester II examination but has failed in semester I will also be permitted to enter upon the course for semester III.

0.2656: A candidate who has appeared simultaneously for semester I/II and semester III examination and has failed to pass semester I/II examination but has, however, obtained passing marks in all the subject of semester III examination of the Second year examination unless the passes semester I/II examination in accordance with 0.213.

Such a candidate will however be allowed to keep term for semester IV examination.

B) Required documents:

I) Semester I/ II Statement of mark with four self attested Xerox copies.

N.B.: Please see on page no. 4 of this prospectus for other required documents.

C) Fees for Second Year MCA Course:

- a) Rs. 14.870/- For General Category.
- b) Rs. 1000/- for the students of Reserve Category (Only for those who are eligible and wish to apply for Freeship/Scholarship Scheme).

Semester IV

A) Eligibility for Semester IV:

0.2658: A candidate, who has passed the semester III examination and has satisfactorily completed the terms for the semester III, will be permitted to enter upon the course for the semester IV. Such a candidate will not be permitted to appear for semester IV examination unless he has passed semester I and II examination previously.

0.2659: A candidate who has appeared simultaneously for Semester III and Semester IV examinations and has failed to pass Semester III examination but has, however, obtained passing marks in all the subjects of Semester IV examination of the Second Year examination will not be declared to have passed the Semester IV examination unless he Passes the Semester III examination in accordance with 0.213

Such a candidate will, however, be allowed to keep term for Semester V examination

B) Required Documents:

a) Semester I /II/ III Passing Statement of marks with three self attested Xerox copies.

C) SUBJECTS

MCA SECOND YEAR (REVISED) SEMESTER - III AND SEMESTER – IV

M.C.A. Semester – III		M.C.A. Semester – IV	
(Revised Syllabus)			
Sr. NO.	Subject	Sr. NO.	Subject
1	Objected Oriented Programming C++	1	Java Programming
2	Data Base Management Systems	2	Object Oriented Modelling and Design Using UML
3	Data Communication Networks	3	Network Security
4	Operation Research	4	Advance Database Techniques
5	Software Research	5	Elective I : Customer Resources Management
6	Management Information System	6	Software Project Management

N.B.:- ASSIGNMENT SUBMISSION OF M.C.A..

1. Students are asked to submit their respective Term Works/Assignments at their respective PCP centres. Only A.T.K.T. & Failed students should submit at I.D.O.L. in Room No. 12 at the time of receiving examination Hall Ticket.

2. Student who fails to submit his/her Term Works/Assignments in time, their Examination Hall Ticket will not be issued under any circumstances.

4.1.3 Third Year M.C.A. Semester V & VI

A) Semester V: - Eligibility for Admission

**0.2661:** A candidate who has passed the semester III examination and has satisfactorily completed the course for semester IV will be permitted to enter upon the course for semester V, provided, however, a candidate who has passed semester IV examination but has failed in the semester III will also be permitted to enter upon the course for semester V.

**0.2662:** A candidate who has appeared simultaneously for semester III/ IV and semester V examination and has failed to pass semester III/IV examination but has, however, obtained to passing marks in all the subject of semester V examination of Third Year examination will not be declared to have passed semester V examination unless he passes semester III/IV examination in accordance with 0.213.

Such a candidate will, however, be allowed to keep terms for semester VI examination.

B) Required Document:

- a) Semester I / II / III/ IV Passing Statement of marks with three self attested Xerox copies of each.

N.B.: Please see on page no. 4 of this prospectus for other required documents.

C) Fees for Third Year MCA Course:

- a) **Rs. 14,120/-** For General Category. (Including convocation fees).
- b) **Rs.1250** /- (Including Convocation fees) for the students of Reserve Category (Only for those who are eligible and wish to apply for Freeship/Scholarship Scheme).



D) SUBJECTS

MCA THIRD YEAR (Revised) SEMESTER V AND SEMESTER VI

M.C.A. Semester V(Revised) M.C.A: Semester VI(Revised)  
(Revised Syllabus from 2009-2010 onwards)

M.C.A. Semester – V		M.C.A. Semester – VI	
(Revised Syllabus)			
Sr. N0.	Subject	Sr. N0.	Subject
1	Software Testing	1	Project
2	Wireless Technology		
3	Distributed Computing		
4	Advanced Web Technologies		
5	Elective – 2 Logistics & Supply Chain Management		
6	Foreign Language		

N.B.:- ASSIGNMENT SUBMISSION OF M.C.A..

1. Students are asked to submit their respective Term Works/Assignments in respect of Sem. - V and the Project (Black Copy) in respect of Sem. – VI at I.D.O.L. in Room No. 12 as and when the date will be inform to the students by the Co-ordinator or the office inform the same through website.
2. Student who fails to submit his/her Term Works/Assignments/ Project in time, their Examination Hall Ticket will not be issued under any circumstances.

E) Standard of passing M.C.A. Semester VI

0.2664: A candidate who has passed the semester IIII IV examination and has satisfactorily completed the course for semester V will be permitted to enter upon the course for semester VI. Such a candidate will not be permitted to appear for semester VI examination. Unless he has passed semester 111/ IV previously.

0.2665: A candidate who has appeared simultaneously for semester V and semester VI examination and has failed to pass semester V examination bur has, however, obtained to passing marks in all the subject of semester VI examination of Third Year examination for the degree of Master of computer Application will not be declared to have passed semester VI examination unless he passes semester V examination in accordance with 0.213.

In order to be eligible for a class, the candidate must appear and pass each semester examination in not more than two sittings, further the candidate shall pass all the six semester examination in out more than nine semester after registration for the course.

Award of the classes

Those of the successful candidate who obtain (i) 60 per cent of marks on the aggregate of the First Year, Second Year and Third Year examination taken together will be placed in the First Class, (ii) 70 per cent marks on the aggregate will be declared to have passed the examination with first class with Distinction and (iii) 50 per cent marks on the aggregate will be declared to have passed the examination in the Second Class.

Standard of passing M.C.A

To pass in the individual subject of each semester examination, a candidate must obtain a minimum 45 percent of the full marks in (a) Theory paper and (b) term work, test and Internal Assessment, separately of that subject.

Those of the candidate who obtained 45 per cent of total marks obtainable in each theory paper. Term work, test, class work and Internal Assessment, as the case may be, taken separately shall be declared to have passed the semester examination. A candidate who fails in an examination but has passed in any of the subject of that examination may at his option be exempted from reappearing for the same at a subsequent attempt and will be declared to have passed the relevant semester examination when he has passed in the remaining subjects.

SUBMISSION OF M.C.A. ASSIGNMENTS

1. Students are asked to submit their respective Term Works Assignments at their respective PCP centres.
2. Student who fails to submit his/her Term Works / Assignments in time, his/ her Examination HALL TICKET will not be issued under any circumstances.

## 6. SUPPORT SERVICES

### 6.1 Personal Contact Programme (Guidance Lectures & Practicals)

The Institute Organizes Personal Contact Programme for the benefit of students, in the evening from 6.00 to 8.00 p.m. from Monday to Friday and practical held on Saturday, Sundays/Holidays in Mumbai only. Attendance about 75% lectures and Practical are compulsory. It is an attempt to provide guidance to students in solving their academic difficulties.

### 6.2 Library Facilities

IDOL has well-equipped library consisting of good collection of around 36,000 books on various subjects of study, IT & Computer Science like Economics, Politics, Education, Psychology, Philosophy, Sociology, History, Accounts, Management, Mathematics and Literature in Marathi, Hindi & English language etc. The textbooks for further reading mentioned in the Study Material/Syllabus are available in the library for reading. The Library has built special collection of reference books like Encyclopedias, Dictionaries of languages & Subject Dictionaries, Directories, Yearbooks in various disciplines of knowledge. Some of these are the library also subscribes to few important Periodicals viz., Economic & Political Weekly, Business India. The Economist, World Focus, Finance India, Applied Sciences Periodical of Mathematics, University News etc., which provide latest information in the subject.

**The Library offers the following services to the IDOL students:**

**Reading Room Facility :** Only IDE students can use the Reading Hall facility for their studies available in the library both in the IDOL Bldg. at Vidyanagari, Santacruz (East) and the Vidyapeeth - Vidyarthi Bhavan, B- Road, Church gate, MUMBAI -400 020. During Examination Season, the Reading Room remains open from 8.00 a.m. to 8.00. p.m. on working days (Monday to Saturday) except on 2nd and 4th Monday.

**Reading of Library Deposit:** The refund of Library Deposit should be claimed by the student at the end of the academic year but not later than 31st December of the next calendar year, failing which the Library Deposit paid by the student will get forfeited.

**Home Lending of Books Facility:** Students may avail this facility of taking a book at home for their studies by paying Rs.300/- deposit.

**Referring Question Paper & Syllabus:** Students may obtain question papers of last two years and Syllabus for reference in the library. Question papers may also be photocopied from outside, against a deposit.

### 6.3 Audio - Video Centre

The following curriculum based Video Cassettes in the subject of ECONOMICS are available in the Audio- Video Centre of the IDE located on 2nd Floor, Room NO.205 for the students of M.A. (ECONOMICS)

## 7. INSTITUTE RULES

### 7.1 Cancellation of Admission / Refund of Fees

If students who wish to cancel their admission, they should apply in the prescribed form (separately included in their Admission Kit) within thirty days from the date of admission and your fees will be refunded as per circular No. UG/ 36 of 2002.

	Amount Deducted
Up to 10- day of admission	Rs.500/-
11- to 60- day of admission	20% of the total fees
61- to 90- day of admission	30% of the total fees
91- to 120- day of admission	50% of the total fees
After 120- day )	No refund

### 7.2 Changes in Name, Address and Subject

For intimating changes in your name and address, you should apply to the Director, IDOL, in the prescribed forms. Change in the name should be supported with documentary evidence such as a Gazette Notification, Marriage Certificate.

For changing the subject once offered, the students must apply for it before 31- October of the same Academic Year. For rules and procedure regarding subject change please contact the enquiry counter. Students admitted after 30th September; if any, will not be allowed to change any subject

### 7.3 Issue of Duplicate Identity Card, Mark sheet, Bonafide Certificate, Transcript Certificate etc.

#### (a) Duplicate Identity Card (Rs.25/-)

The prescribed fee for applying for Duplicate Identity Card is Rs.25/- to be paid in cash on any working day from Monday to Friday during cash transaction hours (11 a.m. to 2.30 p.m. with lunch break from 1.00 p.m. to 1.30 p.m.)

The Prescribed Form which gives the documents required to be submitted with it, is included separately in this Admission Kit. For Ex-students, the Form will be available in the Institute.

#### (b) Duplicate Mark sheet (Rs.1 00/-)

The prescribed fee for applying for Duplicate Mark sheet is Rs.100/- to be paid in cash during cash transaction days and hours.

The Prescribed Application Form, which gives the details of documents required to be submitted with it, is available in the Institute in the case of F.Y./S.Y. B.Sc IT & Computer Science Examinations. In the case of M.Sc IT / Compute Science / MCA Examination, the Prescribed Application Form is available with the Examination Section of the University at the Mahatma Jotirao Phule Bhavan (Exam House) in Vidyanagari Campus.

#### (c) Bonafide Certificate (Rs.1 0/-) and Transcript Certificate (Rs.1 000/-)

The prescribed fee for applying for the Bonafide Certificate is Rs.1 0/- and the Transcript Certificate is Rs.1000/- to be paid in cash during cash transaction days and hours. The Prescribed Application Forms for this purpose are available in the Dispatch Section of IDOL. The details of documents required to be submitted are given in these forms.

### 7.4 Examinations:

Generally examinations are held twice a year i.e. in March/April and October-November i.e. the First and Second Half of the Calendar Year. The Students should however confirm the exact dates of Examinations from the IDOL Notice Board or University website. [www.mu.ac.in](http://www.mu.ac.in)

1. Fresh/New student you are eligible to appear for the University examination only after satisfactory completion of one academic year.

2. Ex-student/Repeater can appear in the Examination only after completion of academic year for which they have enrolled.
3. The Ex-students desirous of appearing at the October/November examination are required to make enquiries in the month of first half of June for filling in the Examination Form.
4. Ex-students/Repeaters desirous of appearing for the March/April examination are required to make enquiries in the month of November for submission of the examination forms.
5. The I.D.O.L. does not send any information to its Ex-Students/Repeaters.
6. The time-table of the examination will be put-up on IDOL Notice Board about 10 days before the commencement of the examination. The information regarding the examination, seat numbers and the hall ticket and the place of the examination will be available about 4 days before the commencement of the examination, provided the same are received in time from the Controller of Examinations.
7. Students will not be permitted to appear for M.Sc.Part II examination unless he/she has passed the Part I examination, previously (as per O.2245).
8. The student will not be permitted to appear for M.Sc.Part II examination unless he / she has taken the Bachelor's Degree earlier at a Convocation (as per O.2289).
9. The student is required to indicate the year of Convocation at which he or she took the degree, on the application form in case of students who are graduates of the University of Mumbai and in case of students who are graduates of another University, a photocopy of the Degree Certificate should be attached to the examination form. Examination fee once paid cannot be carried forward or refunded on account of non appearance, except On medical grounds as per rules.

### **7.5 Refund of Examination Fees**

The Rules presently in force relating to refund of examination fees are as follows:

1. Where a candidate expired during the same academic year, the entire fee shall be refunded as per rule.
2. Where a candidate is taken ill subsequent to the submission of his application for admission to the examination and is prevented on medical grounds from appearing at the examination, 50% of the fees shall be refunded to him provided an application of such refund, supported by a medical certificate, is submitted to the Director of the Institute, within three days from the date of commencement of the examination.

(Note: By the expression Date of commencement of the examination is meant the date on which the first paper at the examination is set and not the date on which the candidate has to appear for his first paper. It is necessary that the application for refund should invariably be submitted through the Director of the Institute. The amount, where refund is granted will be disbursed to the student concerned through the IDOL.)

### **7.6 Transference and Migration Certificates:**

Whenever a student who desires to leave the Institute either before completing the course for which he/she has been admitted or after completing the course will be required to take the following certificate from the Institute/University.

1. For seeking admission in another institution/college affiliated to this University, a Transference Certificate from the IDOL by passing the prescribed fee of Rs. 100/- and the Prescribed Application Form with the necessary documents.
2. For seeking admission in other Universities within the country or abroad, the student is required to obtain Migration Certificate by submitting an application in a prescribed form, from the Migration Certificate Section of the University.

The Migration Certificate Form, along with a Demand Draft for Rs. 220/- drawn in favour of the Finance and Accounts Officer, University of Mumbai should be submitted in the office of the Asstt. Registrar (Administration), Institute of Distance And Open Learning. Before submitting the application for Migration Certificate, he/she should obtain a Transference Certificate from the Institute by filling the required form, along with fees of Rs. 100/- in Cash from Monday to Friday from 11.00 a.m. to 2.30 p.m. with lunch break from 1.00 p.m. to 1.30 p.m.

The prescribed form/s for obtaining above mentioned certificates will be available in the office of the IDOL 7.7 Confirmation of Admission:

Admission of the student will be provisional in the first stage. It will be confirmed only on submission of the relevant documents/certificates by the student and the approval by the competent authority of the IDOL and the University of Mumbai in due course.

### **7.8 Degree Certificate etc. (from Controller of Examination):**

The students who have completed the course i.e. who have passed their Degree Examination of the University. his/her Convocation Certificate will send by post at their Residential Address.

### **7.9 Fake Admission:**

If any document submitted by the student at the time of admission of any course at any admission centre and found false and fake then the Institute will take direct legal action and the matter will be reported to the police station.

### **7.10 Queries**

Anticipating the problems, which you may face while doing this course, we have presented our answers, suggestions, rules & regulations etc., in this prospectus, so that you may solve these problems without facing any difficulties.

### **7.11 SELF STUDY TECHNIQUES:**

Since this courses is offered through Distance Education mode, it is quite likely that some of you may be wondering how to complete the courses successfully.

It should not be difficult for you to complete the course if you plan your work schedule carefully. If you practice somewhat systematic way of studying the print materials, much of your job will become easy. We shall give you a few suggestions to make you studies easy and interesting.

We understand that you have many domestic and social commitments to attend to. Most of you are working in some schools, colleges or other institutes or work places. You may not have ample of time for studying. But it is possible to have some time regularly for your studies. Convince your colleagues and family members that you need some privacy to study and stick to a regular time table. As soon as you receive the study materials start-working on it and don't postpone studying the materials or writing your assignments/responses.

We suggest, you should know the techniques of self study. Your study materials contain a lengthy reading list for reference purpose and for deeper understanding of the content. One. strategy that gained wide acceptance is the SQ3R technique;

SQ3R stands for the initial letters of the five steps in studying text. The five steps are

- (i) Survey (ii) Question (iii) Read (iv) Recall (v) Review

### **7.12 Admission Validity:**

The admission is valid for a period of 5years from the date of admission after which He/She has to take admission to any courses of the Institute.

## **A) GENERAL RULE FOR M.C.A. DEGREE**

### **M.C.A. Semester II**

0.2652: No candidate will be allowed to appear for semester II examination by itself unless he has passed previously in all the subject of semester I

0.2653: Candidate will have the option to appear in the subject of semester I simultaneously with subject of semester II examination either

- (i) In view of their having obtained less than 45 percent of the full marks;

**Or**

- (ii) In view of their failure to appear for semester I examination for any Reason deemed satisfactory by the Head of the Institution.

### **M.C.A. Semester III**

0.2655: A candidate who has passed the semester I examination and has satisfactorily completed the course for the semester-II. Provided, however, a candidate who has passed the semester II examination but has failed in semester I will also be permitted to enter upon the course for semester III.

0.2656: A candidate who has appeared simultaneously for semester I/II and semester III examination and has failed to pass semester I/II examination but has, however, obtained passing marks in all the subject of semester III examination of the Second year examination for the degree of Master of Computer Application will not be declared to have passed semester III examination unless he passes semester I/II examination in accordance with 0.213.

Such a candidate will however be allowed to keep term for semester IV examination.

### **M.C.A. Semester IV**

0.2658: A candidate who has passed the semester I/II examination and has satisfactorily completed the course for the semester III, will be permitted to enter upon the course for the semester IV. Such a candidate will not be permitted to appear for semester IV examination unless he has passed semester I and II examination previously.

0.2659: A candidate who has appeared simultaneously for Semester III and Semester IV examinations and has failed to pass Semester III examination but has, however, obtained passing marks in all the subjects of Semester IV examination of the Second Year examination will not be declared to have passed the Semester IV examination unless he Passes the Semester III examination in accordance with 0.213

Such a candidate will, however, be allowed to keep term for Semester V examination.

### **M.C.A. Semester V**

0.2661: A candidate who has passed the semester III examination and has satisfactorily completed the course for semester IV will be permitted to enter upon the course for semester V, provided, however, a candidate who has passed semester IV examination but has failed in the semester III will also be permitted to enter upon the course for semester V.

0.2662: A candidate who has appeared simultaneously for semester III/IV and semester V examination and has failed to pass semester III/IV examination but has, however, obtained to passing marks in all the subject of semester V examination of Third Year examination will not be declared to have passed semester V examination unless he passes semester III/IV examination in accordance with 0.213.

Such a candidate will, however, be allowed to keep terms for semester VI examination.

### **M.C.A. Semester VI**

0.2664: A candidate who has passed the semester III/IV examination and has satisfactorily completed the course for semester V will be permitted to enter upon the course for semester VI. Such a candidate will not be permitted to appear for semester VI examination. Unless he has passed semester III/IV previously.

0.2665: A candidate who has appeared simultaneously for semester V and semester VI examination and has failed to pass semester V examination but has, however, obtained to passing marks in all the subject of semester VI examination of Third Year examination for the degree of Master of computer Application will not be declared to have passed semester VI examination unless he passes semester V examination in accordance with 0.213.

In order to be eligible for a class, the candidate must appear and pass each semester examination is not more than two sittings, further the candidate shall pass all the six semester examination in out more than nine semester after registration for the course.

### **Award of the classes**

Those of the successful candidate who obtain (i) 60 per cent of marks on the aggregate of the First Year, Second Year and Third Year examination taken together will be placed in the First Class, (ii) 70 per cent marks on the aggregate - will be declared to have passed the examination with first class with Distinction and (iii) 50 per cent marks on the aggregate will be declared to have passed the examination in the Second Class.



### Standard of passing M.C.A

To pass in the individual subject of each semester examination, a candidate must obtain a minimum MCA 45 percent of the full marks in (a) Theory paper and (b) term work, test and Internal Assessment, separately of that subject.

Those of the candidate who obtained MCA 45 per cent of total marks obtainable in each theory paper. Term work, test, class work and Internal Assessment, as the case may be, taken separately shall be declared to have passed the semester examination. A candidate who fail in an examination but has passed in any of the subject of that examination may at his option be exempted from reappearing for the same at a subsequent attempt and will be declared to have passed the relevant semester examination when he has passed in the remaining subjects. .

### MCA· Term work

0.2648: where a term work, Test and Internal Assessment in a subject is prescribed, every candidate shall have to produce a certificate from the Principle of his college of his having completed the same to the satisfaction of the Principle prior to his appearing for the examination.

The term work / Test will be evaluated internally by the teachers teaching the subject

### **B) M.Sc. (IT) / M.Sc. (COMPUTER SCIENCE)**

Guidelines for submission of report of project I and II

Body of Project:

1. Introduction 2. Literature Survey 3. Objective 4. Methodology
5. Test set up and Tests 6. Results 7. Case Study a. Result! discussion
9. Conclusion 10. Future Work 11. References

### **GENERAL RULE FOR B.Sc. (IT)**

### **B.Sc. (IT) Standard of Passing:**

**UNIVERSITY OF MUMBAI Circular No. NO.UG/235 OF 2005**

### **CIRCULAR:**

A reference is invited to the Ordinances and Regulation of the Bachelor of Science in Information Technology (B.Sc.) (I.T.) three-year degree course vide this office Circular NO.UG/393 of 2004 dated 6- September, 2004 and the co-coordinator. Department of Information Technology (B.Sc.) (I.T.) and Principals of the affiliated colleges in Arts, Science and Commerce are hereby informed that the following recommendation made by the ad-hoc committee appointed by the following recommendation made by the Ad-hoc committee appointed by the Academic Council to advise it on all matters relating to the courses of study and examinations in the subject of B.Sc. and M.Sc. (Information Technology) has been accepted by the Academic council at its meeting held on 14- June, 2005 vide item No. 4.45 subsequently approved by the management council at its meeting held on 18- June, 2005 vide item no.4 and that in accordance therewith the Regulation 4411 relating to the standard of passing for the B.Sc.(I.T.) examination has been amended to read as under:-

### **R.4411: Passing Standard:**

1. A Student is said to have passed if he/she secures 40% of marks allotted in each head of Passing. Theory of 100 marks and TW/Practical/Tutorial of 50 marks are treated as separate heads of passing
2. A student is said have passed Semester -I if the student passes in all heads of passing of the Semester.
3. A student is eligible to be admitted to Semester II irrespective of number of heads of failure in the First Semester.



4. A student is eligible for admission to Semester III if either the student passes Semesters I & II.

**OR**

The student Fails in a combination of Theory and/or Practical taken in Semester I or Semester II or together. Where the total marks does not exceed 200.

5. A Student is eligible to be admitted to Semester IV irrespective of no. heads of failure in the Third Semester. However the student has to clear Semester I and II in order to appear for Semester IV examination.
5. A Student is eligible for admission to Semester V if either the student passes Semesters III & IV.

**OR**

6. A student is eligible to be admitted to Semester VI irrespective of no. of heads of failure in the fifth Semester. The results of Semester VI should be kept in absence until the student clears Semesters III, IV and V in full.
8. The class is awarded Semesters-wise for semester I, II, III and IV,

However. Semester V and VI will be taken together for awarded of class

i.e.in the Final Year.

- Award of class is based on passing in all theory papers at one sitting.
  - Passing in parts will awarded Pass Class irrespective of the Cumulative percentage of marks
  - Distinction is awarded for 75% and above.
  - First Class is awarded for 60% and above but below 75%
  - Second Class is awarded for 50% and above but below 60%
  - Pass Class is awarded for all below 50%.
9. There will be one repeat examination (for Semester I, II, III and IV) for those who have failed or remained absent. The absent students will be allowed to appear for the examination by the head of the institution after following the necessary procedure. This examination will be held 30 days after the declaration of results but not later than 60 days.
10. The candidates who are repeaters the B.Sc. (IT) examination shall be granted exemption from reappearing in term work, project and viva -voce if they have secured minimum marks required for passing in these heads at their previous examinations.

Future that the amended R.4411 relating to the B.Sc. (IT.) examination has been brought into force with effect from the examination held in the first half of 2005

### **7.13 SELF STUDY TECHNIQUES:**

#### **Survey**

Survey refers to the quick glance through the title page, preface, chapter headings, etc. of a text book. Surveying a text helps the students grasps the main ideas. A glance at the title page may give you.

(i) the general subject area (ii) the level of approach (iii) the author's name and (iv) the date and place of Publication

Preface helps you decide whether or not the book deserves your attention. Contents tell you what topics the author is dealing with and how he has organized the themes. An index survey will tell you instantly whether or not the text contains what you need. It also helps you save time and efforts by directing you straight to the relevant pages.

Question

Your survey of the text will raise in you some questions. For example glancing at the title page, preface and contents, you might ask yourself:

How far can I depend on this book?

Will the book be helpful to me as its preface suggests?

Why should the author devote a whole chapter for such and such topic?

Having made your survey and started to question you are now ready for reading the text.

Read

Reading a text material demands a critical mind. When we read a text, we apply our mind with all its critical skills. Unless we read actively the questions which have been formulated cannot be answered satisfactorily.

I it is not advisable to make notes at this stage,

I This is not the stage to underline words or phrases either.

Keeping these two points in view, what perhaps, we can do at the first reading is just to look for the main ideas and the supporting details.

Recall

Reading a text is not the final step in learning. It is, instead, the first step in learning. What is read needs to be recalled for intention. Regular attempts to recall will help improve our learning in three ways (i) better concentration (ii) chance to remedy misinterpretation and (iii) reactive reading. How often to recall chiefly depends on how good a reader you are.

Review

The purpose of reviewing is to check the validity of our recall. The best way to do this is to do a quick repeat of the other four steps i.e. Survey, Question, Read and Recall.

Although the steps of SQ3R are in the logical and natural order there may be overlapping and repetitions between them. Since Distance Education students have to work on their own most of the time during their academic career, in this situation, study skills become very important.

