ADIKAVI NANNAYA UNIVERSITY
2013

Regulations and Syllabus relating to
B.C.A. DEGREE EXAMINATION

(Classic Scheme)
(with effect from 2013-2014)

REGULATIONS

1. **Conditions of Admission:**
Candidates for the Degree of Bachelor of Computer Applications (B.C.A.) shall be required:

   (i) to have passed the Intermediate Examination(any combination including vocational) of Board of Intermediate Education, Hyderabad or an equivalent examination recognized by the Board of Intermediate Examination or an examination recognized by the Academic Senate as equivalent thereto;

   (ii) to have undergone subsequently a further course of study in any affiliated college, as prescribed hereunder, extending over a period of three academic years, each consisting of two terms/semesters ordinarily consecutive;

   (iii) Provided however that candidate who has passed I Year or I and II year examinations of the B.C.A Degree under Distance Education or in any other University, may be permitted to appear for the second and third year examinations or third year examination as the case may be on payment of the prescribed balance of exemption fee as laid down in the ordinances; and

   (iv) to have passed the examination of the Degree herein after prescribed.

2. **Course of Study:**
The course for the B.C.A Degree shall comprise of the following subjects of study:
Part I: Languages:
   (i) English, consisting paper 1 and 2
   (ii) Telugu or one of the following languages (at the option of the candidate) consisting paper 1 and 2:
       a. Classical: Sanskrit
       b. Modern International: French, German, Russian
       c. Any Indian Language mentioned in the 8th Schedule of the Constitution.

Part II: Humanities / General Knowledge:
       Paper-1: Ethics and Values (at the end of First Year)
       Paper-2: Contemporary India (at the end of Second Year)

Part III: Basic Subjects:
(1) POM&BC, (2) Programming in C, (3) FIT, (4) DMS, (5) OOP(C++), (6) DS, (7) DBMS, (8) Software Engineering, (9) Internet, Java & HTML, (10) OS, (11) Data Communication, (12) Project Work & Viva Voice

3. **Eligibility for the award of Degree:**
No candidate shall be eligible for the Degree of Bachelor of Computer Applications unless he/she has passed the examinations consisting 2 papers in (i) English, and 2 papers in (ii) Telugu or any other classical or modern language under Part I; 1 paper in (i) Ethics and Values, and 1 paper in (ii) Contemporary India under Part II; and finally 12 papers of three basic subjects under Part III.

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4. Scheme of Instruction and Examination:

The scheme of instruction for the B.C.A. Degree shall comprise of the following subjects of study in a period of three years:

I Year

S. No. Subject	Paper	Periods per week*	Max Marks Th (80+20)	Pr	Duration of Exam
Part - I: Languages:					
(i) English	Paper –1	5	100		3
(ii)Telugu/Hindi/Sanskrit	Paper –1	5	100		3
Part – II: Humanities / General Awareness:					
Ethics and Values	Paper – 1	5	100		3
*Part III: Basic Subjects:**					
POM & BC	Paper – 1	5	100		3
Programming Methodology using C	Paper – 2	4+3	100	50	3+3
FIT	Paper – 3	4+3	100	50	3+3
II Year					
Part - I: Languages:					
(i) English	Paper – 2	5	100		3
(ii)Telugu/Hindi/Sanskrit	Paper – 2	5	100		3
Part – II: Humanities / General Awareness:					
Contemporary India	Paper – 2	5	100		3
*Part III: Basic Subjects:**					
DMS	Paper – 1	5	100		3
OOP(C++)	Paper – 2	4+3	100	50	3+3
DS	Paper – 3	4+3	100	50	3+3
III Year					
DBMS	Paper – 1	3+3	100	50	3+3
Software Engineering	Paper – 2	5	100		3
Internet, HTML & Java	Paper – 3	3+3	100	50	3+3
OS	Paper – 4	5	100		3
DC	Paper – 5	5	100	50	3
Project Report & Viva-Voice	Paper – 6	3	100		3
Total: 17 Theory+ 6 Practicals +1 Project work			1800	300	

Note:

1. The practical papers of III year shall be a long practical of 6 hours duration with (100 marks or two (2) short practicals of 3 hours duration with 50 marks each.
2. Sessionals 20 marks in each paper each batch for guided tutorials shall consists of 20 students.
   Each batch shall consist of minimum 12 students, not exceeding 20.
3. The duration of the period shall be 55 minutes.
   The periods allotted to each paper shall include tutorial work at the rate of one period per week, out of the total number of periods allotted for that paper.
4. The scheme of examination in each subject for all papers, shall be out of the 100 marks, 20 marks are for internal mid-test/tutorial/record, and 80 marks for end-examination.

5. Marks Qualifying for a Pass:

A candidate shall be declared to have passed the examination at the end of First Year / Second Year / Third Year, if he obtains not less than 35 % in all papers in

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(i) English, (ii) Telugu or any other language under Part I; and a) Ethics and Values, and b) Contemporary India, under Part II; and all the papers of the Basic Subjects under Part III.

Candidate shall be required to obtain a minimum of 35% in the internal mid-test/tutorial/record, and end-examination and if any practicals / field work / project separately wherever applicable.

· If a candidate fails to secure pass marks as above, his result will be declared separately for theory or practical provided however, he passes in theory or practical by securing 35% pass marks in each. He shall be permitted if he chooses, to reappear for both theory and practical subjects cancelling the result in theory or practical examination as the case may be in which he passed. such cancellation will be permitted only once.

6. Classification of Successful Candidates:

(i). At the end of second year, successful candidates shall be placed in three classes on the basis of the total marks obtained by them in first and second year examinations under Part I and II. The First Class consisting of those who obtain not less than 60%, the Second Class of those who obtain not less than 50% and the Third Class consisting of all the rest.

(ii). At the end of third year, higher classes will be awarded to the candidates who pass the examinations under Part III subjects of the First and Second year of the Degree Examinations before or along with Third year Examinations at one appearance. However he/she is not eligible for the award of Distinction. The First Class consisting of those who obtain not less than 60%, the Second Class of those who obtain not less than 50% and the Third Class consisting of all the rest.

7. Award of Ranks:

Ranks will be awarded for the first 10 candidates, irrespective of the subjects of study, who have obtained highest aggregate marks of all the papers under Part I, II and III at one appearance by the end of third year examinations. However, no candidate who has not passed all the papers relating to any year at the first appearance shall be eligible for the award of any medals or prizes by the University and to receive certificates of rank, obtained by them in the examination.

8. Re-appearance Provision:

i.   The candidates are permitted to reappear for the whole examination or individual papers of BCA. Degree Examinations for improvement of their classes. This provision is applicable to the candidates who have passed their third year Degree examination.

ii. The candidates shall be permitted to retain their earlier better result or the latter better results as the case may be.

iii. The Candidates shall be permitted to avail four (4) chances under this reappearance provision to improve their class. Such candidates should be required to take the examination as per the current regulations and syllabi then in force.

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