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BACHELOR OF COMPUTER APPLICATIONS (BCA)

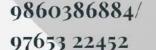## Course highlights:

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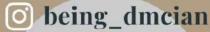- Special guidance & coaching for advanced learners.
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DEPARTMENT OF COMPUTER APPLICATIONS

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BACHELOR OF COMPUTER APPLICATIONS (B.C.A)

OBJECTIVE
The Bachelor of Computer Applications Course trains the student with comprehensive inputs from the rapidly changing IT industry, and enables them to take up the challenges of the corporate world. This course aims at giving quality education in computers to students aspiring to make careers in the IT industry. The student wills get diversified knowledge, not only in the field of computers but also, in management, accounting and allied fields. The primary focus of the course is to train the student to tackle real-life corporate problems by means of projects, seminars and case studies. Successful completion of this course opens up options like M.C.A., M.B.A., M.Sc.(I.T.), etc.

DEGREE TO BE AWARDED
Bachelor of Computer Applications (BCA).

DURATION OF COURSE
The afore-mentioned Degree Course shall have duration of three academic years. Every academic year shall consist of two semesters.

RULES AND PROCEDURES FOR ADMISSION TO THE FIRST YEAR B.C.A
(As per the Ordinances of the Goa University)

DOCUMENTS REQUIRED:

- An original mark sheet of H.S.S.C./Equivalent Examination
- Two attested copies of the H.S.S.C./Equivalent Examination.
- An original copy of H.S.S.C. leaving certificate
- One attested copy of the H.S.S.C. leaving certificate
- Attested photocopy of caste certificate issued by competent authority (if applicable).
- Eligibility certificate (in original) issued by Goa University
- Migration certificate (for those students who have passed Std. XII or any other Equivalent Examination through any other recognized Board other than Goa Board)
- Income Certificate issued by Competent Authority (if applicable)
- Five copies of recent passport sized photographs.

FEE STRUCTURE FOR THE ACADEMIC YEAR 2023-2024

Sr. No.	Description	F.Y.B.C.A.	S.Y.B.C.A.	T.Y.B.C.A.
	PART-A			
1	Tuition Fee**	39,000	39,000	39,000
2	Development Fee**	1,000	1,000	1,000
3	Library Fee**	1,000	1,000	1,000
4	Computer Laboratory Fee**	3,000	3,000	3,000
5	Gymkhana Fee**	174	174	174
6	Other Fee**	174	174	174
7	Student Aid Fund**	58	58	58
8	University Administrative Fee**	1,000	1,000	1000
9	Registration Fee#	630	Nil	Nil
10	Caution Money Deposit*	70	70	70
11	Library Deposit	Nil	Nil	Nil
12	Application Fees	500	500	500
	Total	46,606	45,976	45,976
	Less: Discount on Total Course Fee	600	0	0
	Total of Part- A	46,006	45,976	45,976
	PART-B			
13	**Examination Fees***:			
a	Examination Registration Fee***	690	690	0
b	Statement of Marks***	180	180	0
c	Examination Form***	130	130	0
d	Theory Examination Fees per credit***	1260	1400	0
e	Practical Examination Fee***	720	720	0
	Total of Part- B	2,980	3,120	0
	PART-C			
14	Student I Card Fee	149	149	149
15	P.T.A. Fee	500	500	500
16	Alumni Association Membership Fee	Nil	0	300
	Total of Part- C	649	649	949
	Grand Total (A+B+C)	49,635	49,745	46,925

NOTE:

1. As per the Goa University Notification No.:
   # GU Notification No. GU/cademic (Colg.)/Fees/2022/211, Dt.06.06.2022
   ***GU Revised Notification No. GU/Exam/Fees/20/2020/35 dt: 28.08.2020

2. As per the Directorate of Higher Education Circular No.:
   ** DHE Circular No. 9/30/97/DHE/Vol-II/1039 dt. 07.04.2015
   * DHE Circular No. ACAD/SU-I/Fee/85/2019/1776 dt. 15.06.2022

3. Above fees are subject to revision as per the directives of Goa University and the Government of Goa from time to time.

RULES FOR REFUND OF FEES

As per circular No.GU/l/REF.TUIT.FEE/173/2000/983 dated 26/05/2001, in case of self- financing courses where new admissions are not possible, no fees are to be refunded. However, the fees shall be refunded only in the cases where new students are admitted in place of students who have cancelled their admission.

Once the student has been granted admission to the college, he/she shall pay the prescribed fee within the specified time. Late payment of fees shall be subject to a fine or cancellation of admission, at the discretion of the Principal. A student once admitted will be considered as duly enrolled unless he/she informs the Principal in writing about his/her intention to leave the college at least a week before the commencement of the second term. In case no such intimation is received, the student shall be liable to pay full fees for the second term.

BCA PROGRAM STRUCTURE FROM ACADEMIC YEAR 2023-2024

Goa University will be implementing new program curriculum from academic year 2023-2024 under National Education Policy 2020 (NEP). The new program structure will be intimated to the students as and when received from Goa University.

CHOICE BASED CREDIT SYSTEM (CBCS) FROM 2019-20 to 2022-23

OC–67 Ordinance relating to the Three Year Choice Based Credit System(CBCS) Programme of Bachelor of Computer Applications(BCA) (effective from academic year 2019-2020 onwards)

OC – 67.1GENERAL:

Choice Based Credit System (CBCS) provides choice for students to select from the prescribed courses. Under the CBCS, the requirement for awarding a Degree is prescribed in terms of number of Credits to be completed by the students.

The Course aims at following objectives:

a) To bring the BCA curriculum on par with the model curriculum recommended by the University Grants Commission.
b) To impart quality education on par with international standards.
c) To offer new, relevant and need-based courses.
d) To inculcate in students, responsibility and self-discipline in the learning process.
e) To enable students to acquire specific skills in keeping with their area of study.

f) To make the evaluation system continuous and more objective.
g) To provide a choice to the students in choosing their courses.

OC – 67.2 ELIGIBILITY FOR ADMISSION

Eligibility for admission leading to the Degree of Bachelor of Computer Applications (BCA) shall be as follows:-

OC – 67.2.1 Eligibility for Admission to Semester I and Semester II:

(A) To be eligible for admission to Semester-I of the Three Years course leading to the Degree of Bachelor of Computer Applications (BCA), the candidate should have passed: (i)The Higher Secondary School Certificate (Std. XII) examination conducted by the Goa Board of Secondary and Higher Secondary Education in any stream, including the vocational stream in the subjects notified by the University from time to time.
  OR
(ii) The Std XII or similar examination of another body equivalent to Goa Board of Secondary and Higher Secondary Education, Goa and recognized as such by Goa University.

(B) A candidate not covered under any of the above categories but desirous of seeking admission to the said course may apply to the College. However, the Registrar along with the Dean of the Faculty and the Chairperson of the Board of Studies shall decide the eligibility.

(C) A candidate admitted to Semester-I shall be deemed eligible for admission to Semester-II.

(D) A candidate migrating from another recognized University and desirous of direct admission to Semester-II may be considered for admission provided he/she has cleared/ passed Semester-I examination of that University with those subjects, under CBCS, for which admission is sought.

(E) A candidate shall be selected based on an entrance test. The entrance test shall assess the general aptitude, logical reasoning and analytical abilities and basic arithmetical skills of the candidate.

OC – 67.2.2 Eligibility for admission to Semester-III and Semester-IV:

(A) A candidate who has requisite attendance for Semester-I and Semester-II and has attended minimum required ISAs of all the courses in Semesters I & II shall be eligible for admission to Semester-III.

(B) A candidate migrating from any other recognized University may be considered for admission to Semester III provided:
  i) He/she has passed in all courses of the Semester I and Semester II (First Year BCA) examination from that University.
  ii) He/she undertakes to successfully complete the required courses and credits prescribed for First Year BCA by this University, if he/she has not already done so in the previous University. Result of Semester IV examination shall be withheld if the candidate fails to fulfil this undertaking.

(C) A candidate admitted for Semester-III examination shall be deemed eligible for admission to Semester- IV.

(D) A candidate from another recognized University may be considered for direct admission to Semester IV provided he/she fulfils the conditions specified at (B) (i) and (ii) above and, in addition has passed/ cleared Semester III/ First Term examination of the Second Year BCA of that University. However, the result of Semester IV shall be withheld if the candidate does not fulfil these conditions.

(A) A candidate who has been declared Passed in Semester I to Semester IV examinations shall be eligible for admission to Semester V.
(B) A candidate admitted for Semester-V shall be deemed eligible for admission to Semester-VI.
(C) A candidate migrating from any other recognized University may be considered for admission to Semester-V of the BCA Course provided:
   (i) He/she has been declared Passed in Semester I to Semester IV examinations from that University, and
   (ii) He/she had taken at the Second Year the required courses and credits under the scheme of this University. A candidate fulfilling these conditions shall be eligible for admission to Semester-V only.

OC – 67.2.4 Eligibility for admission to Semester-VI:

(A) A candidate already admitted for Semester-V shall be deemed eligible for admission to Semester-VI.
(B) Direct admission to Semester-VI shall not be permitted.

OC – 67.2.5 CLASS STRENGTH:

Number of candidates to be admitted to BCA programme shall not be more than 60 per division per year. For practicals the batch size shall be up to a maximum of 20 per batch.

25% of the total seats will be reserved for admissions under Management quota subject to the approval of the appropriate Authorities. The students seeking admission under this category will have to meet the eligibility criteria.

OC – 67.3 PROGRAMME STRUCTURE:

1. The Programme shall be based on a system of time-integrated Units called Credits, under the CBCS.
2. The Programme shall comprise Courses such as Core, Elective and Ability Enhancement Courses.
3. A credit shall consist of 15 clock hours of theory of 1 hour duration each or 15 practical classes of 2 hours duration each, per semester or its equivalent; Field work and such other as recommended by the Board of studies (BoS) shall be considered under practical category for calculating credits and workload.
4. A student shall be eligible for the award of BCA Degree on successful completion of minimum of 132 Credits, to be completed over a minimum of six Semesters.

OC – 67.4 COURSE STRUCTURE:

1) Each Course can carry different weightage in terms of number of Credits. Each Course should define learning objectives and outcome. A course may be designed so as to comprise any or combination of lectures/ tutorial laboratory work/ field work/ outreach activities/ project work / vocational training/ viva/ seminars/ term papers/ assignments/ presentations/ self-study/ such other.

2) **Core Course (CC):** A course, which should compulsorily be studied by a candidate as a core requirement is termed as a Core Course. Each Core Course is of 4 credits or 2 credits and may consist of theory and practical component or only theory

component or only practical component. If the course has a theory and practical component, the theory component will be of 3 credits theory and 1 credit practical for 4 credit course. If the course has only practical component, this component will be of 2 credits. The candidates are required to compulsorily pass all the Core Courses of the Programme.

3) **Elective Course:** An Elective Course can be chosen from a pool of Courses, which may be specific or specialized or advanced or supportive to the discipline/ subject of study or which provides an extended scope or which enables an exposure to some other discipline/ subject/ domain or which nurtures the candidate proficiency/ skill. An Elective Course may be Discipline Specific Elective Course or Generic Elective Course.

   3.1) **Discipline Specific Elective (DSE) Course:** Discipline Specific Elective (DSE) Course shall be offered in the main discipline/subject of study. Each DSE shall be of 4 credits and may consist of theory and practical component or only theory component. If the course has a theory and practical component, the theory component will be of 3 credits theory and 1 credit practical or as prescribed by BoS and approved by the Academic Council. Any number of DSE as approved by BoS and AC, can be offered depending upon the specialization available in the college.

   3.2) **Project:** A compulsory project work of total 4 credits shall be offered in lieu of a DSE Course in Semester VI and shall be designed to acquire special / advanced knowledge; it shall be specialized course involving application of knowledge in solving / analyzing / exploring a real life situation / difficult problem. Students shall undertake such a project under the guidance of a teacher / faculty member. The topic for the project Work shall be given in Semester V. Students shall be required to carry out work for the Project during semesters V&VI. The assessment of the project will be carried at the end of Semester VI.

   3.3) **Generic Elective Course:** A Generic Elective (GE) course shall be of 4 Credits, and may be chosen from an unrelated discipline / subject, with an intention to seek exposure. A Core Course offered in a discipline / subject may be treated as GE Course for another discipline/ subject and vice versa. If the course has a practical component, the theory component will be of 3credits theory and 1 credit practical or as prescribed by BoS and approved by the Academic Council.

4) **Ability Enhancement Courses (AEC):** The Ability Enhancement (AE) Courses may be of two kinds:

   4.1) **Ability Enhancement Compulsory Courses (AECC):** AECC are based upon the content that leads to knowledge enhancement. Courses on Environmental Studies,Communication Presentation Skills and Technical Writing Skills are mandatory. Communication Presentation Skills and Technical Writing Skills will have 4 credits each and course on Environmental Studies will have two separate courses of 2 credits each.

4.2) **Skill Enhancement Courses (SEC):** SEC courses are value-based and/or skill- based and are aimed at providing hands-on-training, competencies and skills. These courses may be chosen from a pool of courses designed to provide value- based and/or skill-based knowledge. Each course will be of two credits or as prescribed by BoS and approved by the Academic Council.

5) The Course Structure for the Three Year BCA Degree programme shall be as specified below:

5.1) Bachelor of Computer Applications (BCA) Course Structure Details:

SEMESTER- I		
Course Code	**Subjects**	**Cours e**
CC-101	Problem Solving and Programming Concepts	4
CC-102	Computer Organization and Architecture	4
CC-103	Basic Mathematics	4
CC-104	Problem Solving and Programming Laboratory	2
GE -101	To be selected by College from approved list	4
AECC-101	Environmental Studies	2
SEC-101	To be selected by College from approved list	2
	Total	**22**
SEMESTER – II		
Course Code	**Subjects**	**Credits**
CC-201	Data Structures	4
CC-202	Operating Systems Concepts	4
CC-203	Applied Mathematics	4
CC-204	Data Structures Laboratory	2
GE -201	To be selected by College from approved list	4
AECC-201	Environmental Studies	2
SEC-201	To be selected by College from approved list	2
	Total	**22**

SEMESTER III			
Course Code	**Course Title**	**Course**	**AY**
CAC-109	Object Oriented Concepts	4(T)	2020-21
CAC-110	Database Management Systems	4(T)	2020-21
CAC-111	Object Oriented Programming Laboratory	2(P)	2020-21
CAC-112	Database Management Systems Laboratory	2(P)	2020-21
GE-301	GE To be selected by College from approved list	4(T)	
GE-302		4(T)	
CAA101	Communication and Presentation Skills	4(T)	2020-21

	Total (Semester III)	24	2020-21

SEMESTER IV			
Course Code	**Course Title**	**Course**	**AY**
CAC-113	Software Engineering	4(T)	2020-21
CAC-114	Data Communications	4(T)	2020-21
CAC-115	Case Tools Laboratory	2(P)	2020-21
CAC-116	User Interface Design Laboratory	2(P)	2020-21
GE-401	GE To be selected by College from approved list	4(T)	
GE-402		4(T)	
CAA102	Technical Writing Skills	4(T)	2020-21
	Total (Semester IV)	24	

SEMESTER V			
Course Code	**Course Title**	**Course**	**AY**
CAC-117	Web Technology	4(T)	2021-22
CAC-118	Information Systems	4(T)	2021-22
CAC-119	Web Technology Laboratory	2(P)	2021-22
DSE-501	DSE To be selected by College from the approved list	4(3T+1P)	
DSE-502		4(3T+1P)	
CAP-101	Project		2021-22
	Total (Semester V)	18	

SEMESTER VI			
Course Code	**Course Title**	**Course**	**AY**
CAC-120	Multimedia Technology	4(T)	2021-22
CAC-121	E-Commerce Applications	4(T)	2021-22
CAC-122	Multimedia Technology Laboratory	2(P)	2021-22
DSE-601	DSE To be selected by College from the approved list	4(3T+1P)	
DSE-602		4(3T+1P)	
CAP-101	Project	4	2021-22
	Total(Semester VI)	22	
	Overall BCA credits	132	

List of Generic Electives (GE)			
Course Code	**Course Title**	**Course Credits**	**AY**
CAG-101	Business Accounting	4(T)	2019-20
CAG-102	Cost Accounting	4(T)	2019-20
CAG-103	Advertising	4(T)	2019-20
CAG-104	Human Resource Management	4(T)	2019-20
CAG-105	Entrepreneurship Development	4(T)	2019-20
CAG-106	Marketing Fundamentals	4(T)	2019-20

List of Skill Enhancement Courses (SEC)			
Course Code	**Course Title**	**Course Credits**	**AY**
CAS-101	IT Tools Laboratory	2(P)	2019-20
CAS-102	Programming in Scratch	2(P)	2019-20
CAS-103	Digital Photography	2(P)	2019-20
CAS-104	Open Source Software	2(P)	2019-20
CAS-105	Operating Systems Laboratory	2(P)	2019-20
CAS-106	Programming in Python	2(P)	2019-20
CAS-107	HTML & CSS	2(P)	2019-20
CAS-108	PHP Programming	2(P)	2019-20

Discipline Specific Electives				
Course Code	**Course Title**	**Semester**	**Course**	**AY**
CAD-101	Cyber Security	V	4(3T+1P)	2021-22
CAD-102	Virtualisation	V	4(3T+1P)	2021-22
CAD-103	Mobile Application Development	V	4(3T+1P)	2021-22
CAD-104	Computer Animation	V	4(3T+1P)	2021-22
CAD-105	Computer Graphics	V	4(3T+1P)	2021-22
CAD-106	Human Computer Interaction	V	4(3T+1P)	2021-22
CAD-107	3D Modelling and Animation	VI	4(3T+1P)	2021-22
CAD-108	Ethical Hacking	VI	4(3T+1P)	2021-22
CAD-109	Internet of Things	VI	4(3T+1P)	2021-22
CAD-110	Data Science Concepts	VI	4(3T+1P)	2021-22
CAD-111	Cloud Computing	VI	4(3T+1P)	2021-22
CAD-112	Content Management Systems	VI	4(3T+1P)	2021-22
CAD-113	Search Engine Optimisation	VI	4(3T+1P)	2021-22
CAD-114	Web Frameworks	VI	4(3T+1P)	2021-22

5.2) Instructional Scheme:

i) **Instructor-in-Charge**: Each course may have one or more instructors teaching the course. One of them is to be appointed as Instructor-in-charge.

(ii) **Course Coordinator**: In case of courses taught by Visiting Faculty, one faculty member from the College shall be associated with the course as course coordinator.

(iii) **Course plan:** Every Instructor has to submit a course plan at the beginning of the course. The format for the course plan shall be as prescribed by the BOS from time to time.

(iv) **Feedback**: Individual course feedback is to be taken after the first internal class test as well as overall feedback has to be collected from every student at the end of every Semester to improve the overall quality of the course.

(v) **Course File:** For each course taught, a file shall be compulsorily maintained by the Instructor-in-charge or the Course-Coordinator comprising of course plan, evading/ teaching material used in class, assignments, question papers, student feedback, student attendance record along with final evaluation and grading.

(vi) Learning Management System (LMS) is to be used for (iv) and (v) above.

OC-67.5 SCHEME OF EXAMINATION
OC-67.5.1

a) The Evaluation of the courses shall comprise of the Intra-semester Assessment (ISA) and the Semester End Examination (SEE). A student shall be required to appear for ISA as well as SEE. There shall be an ISA for the practical component also.

b) The ISA tests shall carry 40% of the maximum marks allotted for the course and SEE shall carry 60% of the maximum marks.

c) The marks for each credit shall be 25. Accordingly, a 2 credit course will have 50 marks and a 4 credit course will have 100 marks.

d) A Course of 4 credits having only theory shall have ISA for 40 marks and SEE for 60 marks.

e) A Course of 2 credits having only practical shall have ISA for 20 mark and SEE for 30 marks.

f) A course of 4 credits having theory and practical component shall also have ISA for total 40 marks and SEE for 60 marks. The ISA for theory component shall be 15 marks and ISA for practical component shall be 25 marks. There will be no separate SEE for practical component.

g) Courses of any other number of credits shall have proportionate markings.

OC-67.5.2 Conduct of ISA

a) The ISA for the theory component of a 4 credit course shall be conducted twice in a given Semester, ISA-1 through a written test of 20 marks and the ISA-2 by using alternate modes of evaluation including assignments/ presentations/orals/such other, totaling 20 marks. Courses of any other number of credits shall have proportionate markings.

b) The ISA for the practical component of a course shall also be conducted twice in a given Semester, ISA-1 through a lab test and the ISA-2 by using alternate modes of evaluation including assignments/presentations/orals/such other. A record of all the assignments carried out as part of the practical component shall be maintained by every student in the form of a journal. It is not compulsory to have a hard copy of the journal. It could be a soft copy of the laboratory work that is maintained over any LMS.

c) Generally, the ISAs for a given Course shall be conducted by the teacher/s teaching that Course.

d) The Schedule for the ISAs shall be notified to all at the beginning of the Semester.

e) The Marks of the ISA shall be communicated to the students within two weeks after the conduct of the ISA.

f) ISA-1 shall preferably be conducted by the end of July for odd Semesters and by end of January for even Semesters. Students who fail to appear for the ISA-1 due to a genuine reason shall be given another opportunity by end of August/ February respectively on a date pre-determined by the College. ISA-2 will be completed as decided by the Instructor/teacher but before the end of the Semester.

g) Every College shall appoint a three member Committee to monitor the ISA in the College. There would be no remission in workload or remuneration for carrying out this work.

h) A Student who does not appear for the two ISAs of a Course shall not be eligible to

answer the SEE of that Course.

OC-67.5.3 Conduct of SEE for theory component

a) The SEE shall be conducted at the conclusion of a given Semester, and shall cover the entire syllabus prescribed for the respective Course.

b) A candidate shall be considered to have successfully fulfilled the requirements of a Semester to be eligible to appear for the SEE provided he/she has appeared for two ISAs of the Course, and fulfils the minimum attendance requirements as per the relevant rules of the University. A Candidate failing to fulfil these conditions shall have to repeat the semester.

c) A tentative schedule of SEE examination of Semesters I - IV, evaluation, declaration of results shall be prepared by the respective College(s), preferably at the beginning of each academic year and shall be notified to their students with a copy to the University. Setting of the question papers, evaluation of answer-scripts and declaration of results shall be done by respective Colleges.

d) Assessment of answer-scripts of SEE of semesters I - IV shall be organized by the Colleges. The assessment of the SEE answer scripts at the Semesters I - IV shall be done by the teachers of respective Colleges. If two or more Colleges desire to have the same question paper in any of the subjects, a common paper may be set by the teachers from the concerned colleges. For this purpose, a Committee of senior teachers may be constituted by the Principals of concerned Colleges.

e) The pattern of question paper(s) to be set for the SEE in a given Subject and the scheme of marking shall be decided by the BoS. For this purpose, the BoS shall frame specimen question paper(s) in the concerned Subject for each Semester for the information of the students. Similarly, for practical examinations, the number of laboratory exercises, marks distribution for each exercise and other relevant details shall be decided by the BoS.

f) The Schedule of the Examination and the setting of question paper(s) for SEE for Semester- V and Semester-VI shall be done centrally by the University.

    i. A Board of Paper-Setters and Examiners for the SEE of Semester V and VI shall be appointed by the University.

    ii. The Paper-Setters shall finalize the question paper(s); there shall be no objective type of questions at SEE; however short answer questions may be set.

    iii. The paper setters shall also prepare a key for answers to all Question/sub questions and the scheme of marking of the paper set at the examination. In case of descriptive type of answers, only important points to be expected may be highlighted in the key.

    iv. The Chairperson shall personally hand over the sealed set of question papers and answer keys to the Controller of Examinations in the prescribed manner.

    v. Photocopies of the key and the marking scheme for each of the paper of the concerned Semester V and VI shall be given to the examiners assessing the papers.

g) The duration of SEE theory paper carrying 40 marks shall be of 1 hour duration, and those above 40 marks shall be of 2 hours duration.

OC-67.5.4 Conduct of SEE for practical component

i. Examination(s) shall be conducted for Courses having practical component. Marks shall be allotted for Journal, laboratory work assigned to the candidate and oral, and shall be broadly as follows: Laboratory work 15%,Journal5% and Orals 10%. In Oral examination, the examiner(s) shall assess the knowledge of the candidate in the Course as well as the experiment(s) performed by the candidate.

ii. The Course instructor/teacher shall be the internal examiner.

iii. External Examiners shall be appointed for the Laboratory Course examination at Semester - V and Semester - VI in accordance with the University Ordinance OB - 4 from the panel of examiners approved by the Academic Council. However, assessment and grading shall be done jointly by the external examiner and internal examiner for these two semesters.

iv. Lab Paper setting and assessment of Laboratory courses at Semester - I to Semester - IV shall be done internally by the instructor/teacher, teaching the paper/course.

v. Record of the breakup of mark thus obtained by the candidate for Semesters I to IV, shall be maintained by the respective College in a sealed envelope for a minimum period of 4 years.

vi. A candidate may be permitted, strictly on medical or other genuine grounds, to appear for practical examination out of turn, irrespective of the timetable and the batch allotted to him/her, in the examination programme for Semester-V and Semester-VI issued by the University. This out of turn appearance may be in the same college in a different batch or in a different College. Such permission may be granted by the University if sore commended by the Principal of the College. The candidate shall be required to remit the requisite fee for his/her being examined out of turn.

OC-67.5.5 Conduct of Project

a) (i)The project shall be compulsory for all students in lieu of a DSE. Discipline Specific Project (DSP) shall be assigned during the V semester and assessed and credits assigned in the VI semester. The project shall be group project with a maximum of 5 students per group. A teacher shall not be ordinarily assigned more than 2 projects. The project workload will be 2 hours per week for a group of 5 students and for a group of 3 or less students the workload will be t hour per week.
(ii) Project work and the Report shall be based on field work/ library work/laboratory work/ on-the-job training or similar work assigned by the teacher.

b) The assessment of the Project Course shall be done equally by Internal Examiner (Project Supervisor for 50 marks) and External Examiner (for 50 marks) as per the guidelines defined in the project Manual.

OC-67.5.6 Re-evaluation
Ordinance OC-66.5.6 applicable for B.A., B.Com.,B.Sc. for Re-evaluation shall be made applicable for BCA as amended from time to time.

OC-67.5.7 Supplementary Examination

Ordinances OC-66.5.7 applicable for B.A., B.Com. B.Sc. for Supplementary Examination shall be made applicable for BCA as amended from time to time.

OC-67.5.8 Improvement of Performance

Ordinances OC-66.5.8 applicable for B.A., B.Com. B.Sc. for Improvement of Performance shall be made applicable for BCA as amended from time to time.

OC-67.5.9 Award of Grades

Ordinances OC-66.5.9 applicable for B.A., B.Com, B.Sc. for Award of Class shall be made applicable for BCA as amended from time to time.

OC-67.5.10 Criteria for Passing in a Course

Ordinances OC-66.5.10 applicable for B.A., B.Com. B.Sc. for passing in a Course shall be made applicable for BCA as amended from time to time.

OC-67. 6 Grade Point Average

Ordinances OC-66.6 applicable for B.A., B.Com. B.Sc. for Grade Point Average shall be made applicable for BCA as amended from time to time.

OC-67. 7

Ordinances OC-66.7 applicable for B.A., B.Com. B.Sc. shall be made applicable for BCA as amended from time to time

N.B.: If there is any change in course structure or scheme of examination, the same will be intimated to the students as and when received from Goa University

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