

DIRECTION

No. : 43 / 2010

Date : 03/07.2010

Subject : Examinations leading to the Degree of Bachelor of Computer Application (Three Year Degree Course-Semester Pattern), Direction, 2010.

Whereas, University Grants Commission, New Delhi vide D.O.No.F-2/2008/(XI Plan), Dtd.31 Jan.2008 regarding new initiatives under the 11th Plan – Academic Reforms in the University has suggested for improving quality of higher education and to initiate the Academic Reform at the earliest.

AND

Whereas, the Academic Council while considering the above letter in its meeting held on 30.4.2008, vide item No.55 has resolved to refer the same to Dean's Committee, and the Dean's Committee in its meeting held on 19.07.2008 has decided to refer the matter to all Board of Studies.

AND

Whereas the recommendations of various Board of Studies in the faculty of Science regarding Upgradation and Revision of various syllabi and introduction and implementation of Semester Pattern Examination System at under graduate level was considered by the faculty of Science in its meeting held on 7.12.2009 and constituted a Committee of all Chairmen of Board of Studies and one member nominated by Chairmen of respective B.O.S. under the Chairmanship of Dean of faculty to decide the policy decision regarding semester pattern examination system.

AND

Whereas, the Academic Council in its meeting held on 20.2.2010 vide item No.15, has resolved to constitute a Committee of Chairman of Board of Studies in Mathematics, Statistics, Computer Science and Electronics under the Chairmanship of Dean, faculty of Science for framing the syllabus of Bachelor of Computer Application (Computer Science) i.e. B.C.A. (Computer Science).

AND

Whereas, the faculty of Science in its emergent meeting held on 11th May, 2010 vide item No.30 regarding Scheme of Teaching and Examination and B.C.A. course as per Semester pattern has resolved to refer to concerned Board of Studies, and the faculty further resolved to induct the Chairman, B.O.S. in Mathematics, Electronics & Statistics.

AND

The Combined meeting of the Committees appointed by the Academic Council, faculty of Science and B.O.S. in Computer Science in its meeting held on 24 & 25 June 2010 has resolved to accept and recommend a draft syllabi, scheme of teaching and examination and provision to be incorporated in the Ordinance to Examination leading to the Degree of Bachelor of Computer Application to be implemented from the Academic Session 2010-11 for B.C.A. Part-I (Sem-I & II) and onwards, which is accepted by the Hon'ble Vice-Chancellor u/s 14(7) of the Maharashtra Universities Act, 1994 on dated 1.7.2010.

AND

Whereas, Ordinance No.17 of 2003 in respect of Examinations leading to the Degree of Bachelor of Computer Application is in existence in the University as per annual pattern examination system.

AND

Whereas, new scheme of examination as per semester pattern is to be implemented from the Academic Session 2010-11 for Semester-I & onwards which is regulated by an Ordinance and framing of an Ordinance for the above examination is likely to take some time.

AND

Whereas, the admission of students in the semester pattern at B.C.A.. Part-I (Semester-I) are to be made in the Academic Session 2010-11.

Now, therefore, I, Dr. Kamal Singh, Vice Chancellor of Sant Gadge Baba Amravati University, in exercise of powers conferred upon me under sub-section (8) of section 14 of the Maharashtra Universities Act., 1994, do hereby direct as under:

1. This Direction may be called, "Examinations leading to the Degree of Bachelor of Computer Application (Three Year Degree Course-Semester Pattern), Direction, 2010".
2. This direction shall come into force with effect from the date of its issuance.
3. (i) The following shall be the examination leading to the Degree of Bachelor of Computer Application in the faculty of Science-
 - (1) The B.C.A. (Part-I) , Semester -I Examination;
 - (2) The B.C.A. (Part-I) , Semester -II Examination;
 - (3) The B.C.A. (Part-II) , Semester -III Examination;
 - (4) The B.C.A. (Part-II) , Semester -IV Examination;

- (5) The B.C.A. (Part-III) , Semester -V Examination;
and
- (6) The B.C.A. (Part-III) , Semester -VI Examination;
- (ii) The period of Academic Session shall be such as may be notified by the University.
4. (i) The examination of Semester-I, II, III, IV, V & VI shall be conducted by the University and shall held by the end of each semester separately.
- (ii) The main examination of Semester-I, III & V and that of Semester-II, IV & VI shall be held in Winter and Summer respectively.
- (iii) The supplementary examination for Semester-I, III & V shall be held in Summer and that of Semester-II, IV & VI in Winter respectively.
5. Subject to their compliance with the provisions of this Direction and of other Ordinances in force from time to time, the following persons shall be eligible for admission to the examinations, namely:-
- (a) A student of a College who has prosecuted a regular course of study for not less than one academic year prior to that examination;
- (b) A teacher in a Educational Institution eligible under the provisions of Ordinance No.18, and
- (c) A women candidate who has not pursued a regular course of study.

Provided that in the case of the persons eligible under clauses (b) and (c) an applicant to the examination shall have attended a full course of laboratory instructions in a College in the subject in which laboratory work is prescribed. The candidate shall submit a Certificate to that effect signed by the Principal of the college.

6. **(I) Every applicant for admission to Examination shall-**

In the case of the Bachelor of Computer Application Part-I, Semester-I Examination, have passed not less than one academic Year previously the 12th standard Examination of the Maharashtra State Board of Secondary and Higher Secondary Education with English and other modern Indian Languages or subject I.T. together with Mathematics or three years diploma course in Electronics and Computer Engg. or +2 level minimum competency vocational course in Electronics Technology or students passing the 12th Standard

Examination of Maharashtra State Board of Secondary and Higher Secondary Education and offering Vocational stream with Mathematics shall be eligible for admission to the Bachelor of Computer Application Part-I, Semester-I course or an Examination recognized as equivalent thereto in such subjects and with such standards of attainments as may be prescribed.

(II) In the case of B.C.A.. Part-II, (Semester-III & IV) Examination :-

have passed not less than one academic year previously the B.C.A.. Part-I (Sem-I & II) Examination of the University or an examination recognised as equivalent thereto, and

(III) In the case of the B.C.A.. Final, (Sem-V & VI) Examination:-

have passed not less than one academic year previously the B.C.A.. Part-II (Sem-III & IV) Examination Examination of the University or an examination recognised as equivalent thereto;

7. Subject to his/her compliance with the provisions of this Direction and other Ordinances (pertaining to Examination in General) in force from time to time, the applicant for admission, at the end of the course of study of a particular semester to an examination specified in column (1) of the table below, shall be eligible to appear at it, if,
- (i) he/she satisfied the condition in the table and the provisions there under.
- (ii) he/she has prosecuted a regular course of study in a college affiliated to the University.
- (iii) he/she has in the opinion of the Principal shown the satisfactory progress in his/her studies.

TABLE

Name of the Examinatin to appear	The student should have completed the Session / term satisfactorily	The student should have passed
1	2	3
B.C.A. Part-I (Sem-I & II)	Sem-I & II	Qualifying examination.
B.C.A.-II Semester-III	Semester-I & II	One half of the total head prescribed for Sem-I & Sem-II examination

B.C.A.-II Semester-IV	Semester-III	One half of the total head prescribed for Sem-I & Sem-II examination
B.C.A.-III Semester-V	Semester-III & IV	(i) passed the Sem-I & II examination and (ii) One half of the total head prescribed for Sem-III & Sem-IV examination
B.C.A.-III Semester-VI	Semester-V	(i) passed the Sem-I & II examination and (ii) One half of the total head prescribed for Sem-III & Sem-IV examination

(Note: For calculating the heads, the theory and the practical shall be consider as a separate head and on calculation fraction if any shall be ignored.)

8. Without prejudice to the other provisions of Ordinance No. 6 relating to the Examination in General, the provisions of Paragraph 5, 8, 10 and 31 of the said ordinance shall apply to every collegiate candidate.
9. The fee for the examination shall be as prescribed by the University from time to time.
10. The Scope of the subjects of all semester opted by the students shall be as indicated in the respective syllabi from time to time. The medium of instruction and examination shall be English.
11. The maximum marks allotted to each subject and paper and the minimum marks which an examinee must obtain in order to pass the examination shall be as per Appendices A, B, C, D, E and F appended to this Direction.
12. The practical examination of all semesters shall be conducted at the end of each semester externally by the University.
13. Successful examinees at the B.C.A. Final (Sem-VI) Examination who obtain not less than 60% marks in aggregate of Sem-I, II, III, IV, V & VI Examination taken together shall be placed in the First Division, those obtaining less than 60% but not less than 45% in the Second Division, and all other successful examinees in the pass Division.
14. There shall be no classification of successful examinees at the Sem-I to Sem-V Examinations.

15. An examinee successful in the minimum period prescribed for the examination, obtaining not less than 75% of the maximum marks prescribed in the subject shall be declared to have passed the examination with Distinction in the subject. Distinction shall not be awarded to an examinee availing of the provision of the exemptions and compartments at any of the examination.
16. Provisions of Ordinance No.18/2001 in respect of an Ordinance to provide grace marks for passing in a Head of passing and Improvement of Division (Higher Class) and getting Distinction in the subject and condonation of deficiency of marks in a subject in all the faculties prescribed by the Statute No.18, Ordinance 2001 shall apply to the Examination under this Direction.
17. As soon as possible after the examinations the Board of Examination shall publish a list of successful examinees at the B.C.A. Part-I, Semester-I & II, B.C.A. Part-II, Semester-III & IV & B.C.A. Final, Semester-V & VI Examination. Such list at the B.C.A. Final Examination shall be arranged in three Divisions. The names of the examinees passing the examination as a whole in the minimum prescribed period and obtaining the prescribed number of places in each subject in the First or Second Division shall be arranged in Order of Merit as provided in the Examinations in General Ordinance No. 6.
18. No Person shall be admitted to B.C.A. Part-I, Semester-I & II, B.C.A. Part-II, Semester-III & IV & B.C.A. Final, Semester-V & VI Examinations, if he has already passed the same examination of this University or an equivalent examination of any other Statutory University.
19. Successful Examinees at the B.C.A. Part-I, Semester-I & II, B.C.A. Part-II, Semester-III & IV Examination shall be entitled to receive a Certificate signed by the Registrar and successful examinee at the end of & B.C.A. Final, Semester-VI Examination, shall on payment of the prescribed fees, receive a Degree in the Prescribed form, signed by the Vice-Chancellor.

Sd/-

(Dr.Kamal Singh)

Vice-Chancellor

Sang Gadge Baba Amravati University
Amravati

Date : 1/7/2010

CERTIFICATE

Name of the College/ Institution

Name of the Department :

This is to certify that this book contains the bonafide record of the practical work of

Shri / Kumari / Shrimati

of B.C.A. Part – I / II / III / Semester.....during the Academic year.....

Dated:// 20....

Signature of the Teacher
Who taught the examinee

1.
2.

3.

4. **Head of the Department**

(**Note** :In absence of certificate for record book (Appendix-G),
examinee should not be allowed to appear for the practical
examination.)

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Bachelor of Computer Application(B.C.A.)
Three Year Degree Course
Teaching and Examination Scheme
B.C.A. Part- I (Semester – I)

Th: Theory, L: Lecturer, T: Tutorial, Pr: Practical

Appendix-A

S. N.	Subject Code	Paper	Teaching Scheme				Examination Scheme						
			Th		Pr	Total Periods Per Week	Duration of Papers (Hrs.)		Max. Marks		Min. Marks		Total Marks
			L	T			Th	Pr	Th	Pr	Th	Pr	
1	1ST1	Computer Based	5	---	---	5	3	---	60	---	21	---	60
2	1ST2	Computer Based	5	---	---	5	3	---	60	---	21	---	60
3	1ST3	Electronic Based	5	---	---	5	3	---	60	---	21	---	60
4	1ST4	Statistics Based	5	---	---	5	3	---	60	---	21	---	60
5	1ST5	Math Based	5	---	---	5	3	---	60	---	21	---	60
6	1ST6	Communication Skill	4	1	---	5	3	---	50	---	18	---	50
7	1SP1	Lab-I based on 1ST1 & 1ST2	---	---	4	4	---	4	---	50	---	18	50
8	1SP2	Lab-II based on 1ST3	---	---	4	4	---	4	---	50	---	18	50
9	1SP3	Lab-III based on 1ST4	---	---	4	4	---	4	---	50	---	18	50
Total			29	1	12	42			350	150			500

Teaching and Examination Scheme
B.C.A. Part- I (Semester – II)

Th: Theory, L: Lecturer, T: Tutorial, Pr: Practical

Appendix-B

S. N.	Subject Code	Paper	Teaching Scheme				Examination Scheme						
			Th		Pr	Total Periods Per Week	Duration of Papers (Hrs.)		Max. Marks		Min. Marks		Total Marks
			L	T			Th	Pr	Th	Pr	Th	Pr	
1	2ST1	Computer Based	5	---	---	5	3	---	60	---	21	---	60
2	2ST2	Computer Based	5	---	---	5	3	---	60	---	21	---	60
3	2ST3	Electronic Based	5	---	---	5	3	---	60	---	21	---	60
4	2ST4	Statistics Based	5	---	---	5	3	---	60	---	21	---	60
5	2ST5	Math Based	5	---	---	5	3	---	60	---	21	---	60
6	2ST6	Communication Skill	4	1	---	5	3	---	50	---	18	---	50
7	2SP1	Lab-I based on 2ST1 & 2ST2	---	---	4	4	---	4	---	50	---	18	50
8	2SP2	Lab-II based on 2ST3	---	---	4	4	---	4	---	50	---	18	50
9	2SP3	Lab-III based on 2ST4	---	---	4	4	---	4	---	50	---	18	50
Total			29	1	12	42			350	150			500

**Teaching and Examination Scheme
B.C.A. Part- II (Semester – III)**

Th: Theory, L: Lecturer, T: Tutorial, Pr: Practical

Appendix-C

S. N.	Subject Code	Paper	Teaching Scheme				Examination Scheme						
			Th		Pr	Total Periods Per Week	Duration of Papers (Hrs.)		Max. Marks		Min. Marks		Total Marks
			L	T			Th	Pr	Th	Pr	Th	Pr	
1	3ST1	Computer Based	5	---	---	5	3	---	60	---	21	---	60
2	3ST2	Computer Based	5	---	---	5	3	---	60	---	21	---	60
3	3ST3	Computer Based	5	---	---	5	3	---	60	---	21	---	60
4	3ST4	Computer Based	5	---	---	5	3	---	60	---	21	---	60
5	3ST5	Electronic Based	5	---	---	5	3	---	60	---	21	---	60
6	3SP1	Lab-I based on 3ST1 & 3ST2	---	---	4	4	---	4	---	50	---	18	50
7	3SP2	Lab-II based on 3ST3 & 3ST4	---	---	4	4	---	4	---	50	---	18	50
8	3SP3	Lab-III based on 3ST5	---	---	4	4	---	4	---	50	---	18	50
Total			25	---	12	37	---	---	300	150	---	---	450

**Teaching and Examination Scheme
B.C.A. Part- II (Semester – IV)**

Th: Theory, L: Lecturer, T: Tutorial, Pr: Practical

Appendix-D

S.N.	Subject Code	Paper	Teaching Scheme				Examination Scheme						
			Th		Pr	Total Periods Per Week	Duration of Papers (Hrs.)		Max. Marks		Min. Marks		Total Marks
			L	T			Th	Pr	Th	Pr	Th	Pr	
1	4ST1	Computer Based	5	---	---	5	3	---	60	---	21	---	60
2	4ST2	Computer Based	5	---	---	5	3	---	60	---	21	---	60
3	4ST3	Computer Based	5	---	---	5	3	---	60	---	21	---	60
4	4ST4	Computer Based	5	---	---	5	3	---	60	---	21	---	60
5	4ST5	Electronic Based	5	---	---	5	3	---	60	---	21	---	60
6	4SP1	Lab-I based on 4ST1 & 4ST2	---	---	4	4	---	4	---	50	---	18	50
7	4SP2	Lab-II based on 4ST3 & 4ST4	---	---	4	4	---	4	---	50	---	18	50
8	4SP3	Lab-III based on 4ST5	---	---	4	4	---	4	---	50	---	18	50
Total			25	---	12	37	---	---	300	150	---	---	450

**Teaching and Examination Scheme
B.C.A. Part- III (Semester – V)**

Th: Theory, L: Lecturer, T: Tutorial, Pr: Practical

Appendix-E

S. N.	Subject Code	Paper	Teaching Scheme				Examination Scheme						
			Th		Pr	Total Periods Per Week	Duration of Papers (Hrs.)		Max. Marks		Min. Marks		Total Marks
			L	T			Th	Pr	Th	Pr	Th	Pr	
1	5ST1	Computer Based	5	---	---	5	3	---	60	---	21	---	60
2	5ST2	Computer Based	5	---	---	5	3	---	60	---	21	---	60
3	5ST3	Computer Based	5	---	---	5	3	---	60	---	21	---	60
4	5ST4	Computer Based	5	---	---	5	3	---	60	---	21	---	60
5	5ST5	Computer Based	5	---	---	5	3	---	60	---	21	---	60
6	5SP1	Lab-I based on 5ST1 & 5ST2	---	---	4	4	---	4	---	50	---	18	50
7	5SP2	Lab-II based on 5ST3 & 5ST4	---	---	4	4	---	4	---	50	---	18	50
8	5SP3	Lab-III based on 5ST5	---	---	4	4	---	4	---	50	---	18	50
Total			25	--	12	37	---	---	300	150	---	---	450

**Teaching and Examination Scheme
B.C.A. Part- III (Semester – VI)**

Th: Theory, L: Lecturer, T: Tutorial, Pr: Practical

Appendix-F

S. N.	Subject Code	Paper	Teaching Scheme				Examination Scheme						
			Th		Pr	Total Periods Per Week	Duration of Papers (Hrs.)		Max. Marks		Min. Marks		Total Marks
			L	T			Th	Pr	Th	Pr	Th	Pr	
1	6ST1	Computer Based	5	---	---	5	3	---	60	---	21	---	60
2	6ST2	Computer Based	5	---	---	5	3	---	60	---	21	---	60
3	6ST3	Computer Based	5	---	---	5	3	---	60	---	21	---	60
4	6ST4	Computer Based	5	---	---	5	3	---	60	---	21	---	60
5	6ST5	Computer Based	5	---	---	5	3	---	60	---	21	---	60
6	6SP1	Lab-I based on 6ST1 & 6ST2	---	---	4	4	---	4	---	50	---	18	50
7	6SP2	Lab-II based on 6ST3 & 6ST4	---	---	4	4	---	4	---	50	---	18	50
8	6SP3	Lab-III based on 6ST5	---	---	4	4	---	4	---	50	---	18	50
Total			25	--	12	37	---	---	300	150	---	---	450

NOTE :

1. The strength of students for Practical and tutorial for Under Graduate classes shall be 16 with an addition of 10% with the permission of Vice-Chancellor.
2. A period will be counted of 48 minutes duration at Under Graduate Level.
3. Syllabus is prescribed on the basis of one tutorial and four practicals per week (i.e. two practical of two periods per batch)
4. Distribution of Marks of Practical within the limit of Max. Marks shall be prescribed by B.O.S.
5. In absence of certificate for record book (Appendix-G) examinee shall not be allowed to appear for the practical examination.