

SANT GADGE BABA AMRAVATI UNIVERSITY
DIRECTION

No. /2010

Date : / /2010

Subject : Examinations leading to the Degree of B.E. / B.Text.E. / B.Tech. (Chem. Engg.) / B.Tech.(Chem. Tech.) Polymer (Plastic) Tech. (Four Year Degree Courses... Semester Pattern Credit Grade System)

Whereas the schemes of teaching & examinations of I / II Semesters of B.E. / B.Text.E. / B.Tech. (Chem. Engg.) / B.Tech. (Chem. Tech.) Polymer (Plastic) Tech. courses has been accepted by the Academic Council vide Item No. 49 (J) in its meeting held on 28-05-2010 as per the Credit Grade System based on the guidelines given by the A.I.C.T.E., New Delhi for its implementation from the Academic Session 2010-2011,
AND

Whereas admissions to the First Year of B.E. / B.Text.E. / B.Tech. (Chem. Engg.) / B.Tech. (Chem. Tech.) Polymer (Plastic) Tech. courses are to be made in the Academic Session 2010-2011,
AND

Whereas the matter for admission of the students at the examinations is required to be regulated by an Ordinance,
AND

Whereas the schemes of teaching & examinations of I / II Semesters of B.E. / B.Text.E. / B.Tech. (Chem. Engg.) / B.Tech. (Chem. Tech.) Polymer (Plastic) Tech. courses are to be implemented from the academic session 2010-2011,
AND

Whereas the schemes of teaching & examinations are required to be regulated by the Regulation,
AND

Whereas the process of making an Ordinance and the Regulation is likely to take some time,
AND

Whereas syllabus for I / II Semesters of B.E. / B.Text.E. / B.Tech. (Chem. Engg.) / B.Tech. (Chem. Tech.) Polymer (Plastic) Tech. courses are to be sent for printing.

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

1. This Direction may be called "Examinations leading to the Degree of B.E. / B.Text.E. / B.Tech. (Chem. Engg.) / B.Tech. (Chem. Tech.) Polymer (Plastic) Tech. (Four Year Degree Courses... Semester Pattern Credit Grade System) Direction, 2010.
2. This Direction shall come into force w.e.f. its issuance.
3. Subject to the conditions prescribed by the Government from time to time, for admission to First Year B.E./B.Text.E. / B.Tech. (Chem. Engg.) / B.Tech. (Chem. Tech.) Polymer (Plastic) Tech. courses the candidate shall be considered eligible :

Passing 12th Standard Examination of the Maharashtra State Board of Secondary and Higher Secondary Education, with subjects :

1. English (Higher or Lower)
2. Modern Indian Language (Higher or Lower)
3. Mathematics and Statistics.
4. Chemistry.
5. Physics.
6. Any other optional subject from out of the list prescribed by the said Secondary and Higher Secondary Education Board.

OR

1. English (Higher or lower)
2. Mathematics and Statistics.
3. Chemistry
4. Physics
5. Vocational subject (Defined by the said Board as a Technical Subject)

OR

An Examination recognised by the Sant Gadge Baba Amravati University as an equivalent to the above.

4. Subject to the conditions prescribed by the Govt. from time to time for direct admission to the second B.E. / B.Text.E. / B.Tech. (Chem. Engg.) / B.Tech. (Chem. Tech.) Polymer (Plastic) Tech. the candidates shall be considered eligible :-
Passing Diploma in relevant branch in First Division, awarded by the Board of Technical Examination of Maharashtra State, Mumbai.

OR

Any Diploma equivalent to the corresponding Diploma of the Board of Technical Examination of Maharashtra State, Mumbai.

5. a) The Degree of Bachelor of Engineering shall be awarded to examinee who in accordance with the provisions of this Direction qualifies for the award in any of the following branches.
 - i. Civil Engineering
 - ii. Mechanical Engineering
 - iii. Electrical Engineering (Electronics & Power)
 - iv. Electronics and Telecommunication Engineering
 - v. Production Engineering
 - vi. Computer Science & Engineering
 - vii. Instrumentation Engineering,
 - viii. Information Technology,
 - ix. Computer Engineering,
 - x. Bio-Medical Engineering, &
 - xi. Electrical and Electronics Engineering.
- b) The Degree of Bachelor of Textile Engineering shall be awarded to examinee, who in accordance with the provisions of this Direction qualifies.
- c) The Degree of Bachelor of Technology (Chemical Engineering) shall be awarded to examinee who in accordance with the provisions of this Direction qualifies.
- d) The Degree of Bachelor of Technology (Chemical Technology) Polymer (Plastic) Tech. shall be awarded to examinee who in accordance with the provisions of this Direction qualifies.
6. (i) There shall be eight semester examinations leading to the Degree of B.E./B.Text.E./B.Tech. (Chem. Engg.)/B.Tech. (Chem. Tech.) Polymer (Plastic) Tech. (First, Second, Third, Fourth, Fifth, Sixth, Seventh & Eight Semester)
- (ii) The first & Second Semester Examinations shall be common for all the branches.
7. The period of Academic Session shall be such as may be notified by the University.
8. The main examination of first, third, fifth and seventh semester shall be held by the University in winter & supplementary examination in summer every year. And main examination of second, fourth, sixth & eighth semester will be held in summer & the supplementary examination in winter every year.
9. The Internal Assessment marks for theory should be based on Class Test and Attendance as follows :-

a) Class Test	-	15
Marks will be based upon two Class Tests.		
b) Attendance	-	Mark/s
75% to 80%	-	1
81% to 85%	-	2
86% to 90%	-	3
91% to 95%	-	4
96% to 100%	-	5

Where ever if internal assessment marks are 'ten (10)' then it should be converted out of "20".

10. Subject to his/her compliance with the provisions of this Direction & other Ordinances pertaining to Examination in force from time to time, the applicant for admission, at the end of the course of study of a particular semester/session, to an Examination specified in column (1) of the table I below, shall be eligible to appear if
 - i) he/she satisfies with the conditions in the table and the provisions thereunder.
 - ii) he/she complies with the provisions of the ordinance pertaining to the Examination in general from time to time.
 - iii) he/she has prosecuted a regular course of study in a college affiliated to the University.
 - iv) he/she has in the opinion of the Principal shown satisfactory progress in his/her studies.

TABLE I

Name of Exam B.E./B.Text.E./ B.Tech. (Chem. Engg.)/B.Tech. (Chem.Tech.) Polymer (Plastic)	The student should have passed the Exam. of	The Student should have satisfactorily completed the following semester	The student should have passed following exami- nation.
First Semester Group A/Group B	XII standard Examination or equivalent	.....	.....
Second Semester Group A/Group B	.....	I Semester Group A/Group B	.....
Third Semester	.....	II Semester Group A/Group B	2/3rd heads of I & II Sem. combined together
Fourth Semester	.....	III Semester	.....
Fifth Semester	I & II Sem.	IV Semester	2/3rd heads of III & IV Sem. combined together
Sixth Semester	.....	V Semester	.....
Seventh Semester	III & IV Sem.	VI Semester	2/3rd heads of V & VI Sem. combined together
Eighth Semester	.....	VII Semester	.....

11. An examinee who has passed 2/3 rd heads of passing shall be allowed to keep term in the next higher class.

Explanation :

- i) While calculating 2/3 rd heads of passing, fraction if any shall be ignored
 - ii) For considering the heads of passing, every theory and every practical shall be considered as separate head of passing
12. The schemes of teaching & examinations shall be as provided under “Appendix-A” appended with this Direction.
13. The fees for each B.E./B.Text.E./B.Tech. (Chem. Engg.)/B.Tech. (Chem. Tech.) Polymer (Plastic) Tech. Examinations (Theory & Practical) shall be as prescribed by University from time to time.
14. The computation of Semester Grade Point Average (SGPA) and Cumulative Grade Point Average (CGPA) of an examinee shall be as given below :-

The marks will be given in all examinations which will include college assessment marks and the total marks for each Theory / Practical shall be converted into Grades as per Table II.

SGPA shall be calculated based on Grade Points corresponding to Grade as given in Table II and the Credits allotted to respective Theory / Practical shown in the scheme for respective semester.

SGPA shall be computed for every semester and CGPA shall be computed only in VIII semester. The CGPA of VIII semester shall be calculated based on SGPA of VII and SGPA of VIII semester as per following computation :-

$$\text{SGPA} = \frac{C_1 \times G_1 + C_2 \times G_2 + \dots + C_n \times G_n}{C_1 + C_2 + \dots + C_n}$$

Where C_1 = Credit of individual Theory / Practical
 G_1 = Corresponding Grade Point obtained in the respective Theory / Practical

$$\text{CGPA} = \frac{(\text{SGPA})_{\text{VII}} \times (\text{Cr})_{\text{VII}} + (\text{SGPA})_{\text{VIII}} \times (\text{Cr})_{\text{VIII}}}{(\text{Cr})_{\text{VII}} + (\text{Cr})_{\text{VIII}}}$$

Where $(\text{SGPA})_{\text{VII}}$ = SGPA of VII Semester
 $(\text{Cr})_{\text{VII}}$ = Total Credits for VII Semester
 $(\text{SGPA})_{\text{VIII}}$ = SGPA of VIII Semester
 $(\text{Cr})_{\text{VIII}}$ = Total Credits for VIII Semester

CGPA equal to 6.00 and above shall be considered as equivalent to First Class which shall be mentioned on Grade Card of VIII Semester as a foot note.

TABLE II

THEORY

Grade	Percentage of Marks	Grade Points
AA	$80 \leq \text{Marks} \leq 100$	10
AB	$70 \leq \text{Marks} < 80$	9
BB	$60 \leq \text{Marks} < 70$	8
BC	$55 \leq \text{Marks} < 60$	7
CC	$50 \leq \text{Marks} < 55$	6
CD	$45 \leq \text{Marks} < 50$	5
DD	$40 \leq \text{Marks} < 45$	4
FF	$00 \leq \text{Marks} < 40$	0
ZZ	Absent in Examination	—

PRACTICAL

Grade	Percentage of Marks	Grade Points
AA	$85 \leq \text{Marks} \leq 100$	10
AB	$80 \leq \text{Marks} < 85$	9
BB	$75 \leq \text{Marks} < 80$	8
BC	$70 \leq \text{Marks} < 75$	7
CC	$65 \leq \text{Marks} < 70$	6
CD	$60 \leq \text{Marks} < 65$	5
DD	$50 \leq \text{Marks} < 60$	4
FF	$00 \leq \text{Marks} < 50$	0
ZZ	Absent in Examination	—

15. (i) The scope of the subjects shall be as indicated in the syllabi.
(ii) The medium of instruction and examination shall be English.
16. Provisions of Ordinance No.18 of 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 each examination under this Direction.
17. An examinee who does not pass; or who fails to present himself/herself for the examination shall be eligible for readmission to the same examination/semester, on payment of fresh fees and such other fees as may be prescribed.
18. A candidate who could not complete a semester satisfactorily or who has failed will be eligible for readmission to the same semester. However readmission to semester should be allowed only when a regular session is running for the particular semester.
19. One who has passed the Final B.E./B.Text.E./B.Tech. (Chem. Engg.)/B.Tech. (Chem. Tech.) Polymer (Plastic) Tech. examination of the University in one branch and who desires to take B.E./B.Text.E./B.Tech. (Chem. Engg.)/B.Tech. (Chem. Tech.) Polymer (Plastic) Tech. Degree in another branch, shall be admitted to the Third semester of that branch and shall be governed by this Direction for all other purposes.
20. As soon as possible after examinations the Board of Examinations shall publish a result of the examinees and the branchwise merit list shall be notified as per Ordinance No.6.
21. Notwithstanding any thing to the contrary in this Direction, no one shall be admitted to an examinations under this Direction, if he/she has already passed the said examinations or an equivalent examinations of any statutory University.
22. (i) The examinees who have passed in all the subjects prescribed for all the examinations of the particular branch shall be eligible for award of the Degree of Bachelor of Engineering / Bachelor of Technology (Chemical Technology) in the branch concerned, Bachelor of Textile Engineering and Bachelor of Technology (Chemical Engineering).
(ii) The Degree certificate in the prescribed form, shall be signed by the Vice-Chancellor.

Dr. Kamal Singh
Vice-Chancellor

Description about New First Year Scheme for B.E. / B.Text.E. / B.Tech. (Chem. Engg.) / B.Tech. (Chem. Tech.) Polymer (Plastic) Tech. with Group-A and Group-B subjects

- 1) The sanctioned intake and / or the number of candidates admitted to first year Engineering shall be divided into two groups as A and B in multiples of 60 preferably at the institute level.
- 2) Group-A candidates shall register for Group-A subjects in first semester and Group-B candidates shall register for Group-B subjects in first semester.
- 3) The candidates shall be examined for their subjects from the respective groups in first semester.
- 4) In the Second semester, candidates from Group-B shall register for subject of Group-A. Similarly, candidates from Group-A shall register for subjects of Group-B.
- 5) The candidates shall be examined for their subjects from the other groups in second semester.
- 6) Thus, at the end of the first year, all the subjects shall be studied by the candidates from both the groups.
- 7) The mark list shall show only the group obtained in respective Semester, like First Semester Group-B, First Semester Group-A.
- 8) The exercise on the part of the college shall be to ensure that the candidates fill up the examination forms correctly according to the subjects group he / she has registered in both the semesters.
