



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY, NAGPUR

Established by Government of Central Provinces Education Department by Notification No. 513, dated the 1st of August, 1923
& presently a State University governed by Maharashtra Public Universities Act, 2016 (Mah. Act No VI of 2017)

(Academic Section)

Shri Chatrapati Shivaji Maharaj Administrative Premises, Maharajbagh Chowk, Civil Lines, Nagpur -01
Tel No.: 0712- 2532063 Fax No. 0712532841,2561347,2560624

No. Acad/S/18 / 905

Dated: 4/12/2018

To,
The Principal,
of all Engineering & Technology Colleges
Affiliated to Rashtrasant Tukadoji Maharaj
Nagpur University Nagpur.

Subject:- Direction No 21 of 2018 and 22 of 2018.

(Direction Governing the Examinations leading to B.E., B.Tech.,
B.Arch.,M.Tech.,M.Arch.,M.Des. course along with the Syllabus & Scheme of
Examination under the Faculty of Science and Technology)

Sir/Madam,


I am forwarding herewith a copy of the **Direction No 21 of 2018 and 22 of 2018** issued by the Hon'ble Vice-Chancellor under section 12(8) of Maharashtra Public University Act, 2016 governing the examination leading to Degree of B.E., B.Tech., B.Arch.,M.Tech.,M.Arch.,M.Des. course along with the Syllabus & Scheme of Examination under the Faculty of Science & Technology to be implemented from Academic Session 2018-19.

You are further requested to kindly bring it to the notice of all teachers and students of your college.

Thanking you,

Yours Faithfully

Encl: As above


(Dr. Niraj Khaty)
Registrar

Copy for information and necessary action along with the Direction, Scheme of Examination and Syllabi as mentioned above to:-

- 1) The Director, Board of Examinations & Evaluation
- 2) The Deputy Registrar (Pre Exam/Post Exam)
- 3) The Asstt. Registrar (Prof. Exam.)
- 4) The Asstt. Registrar (Conf.),
- 5) The Asstt. Registrar (Exams & Enquiry.)
- 6) The P. A. to the Hon'ble Vice-Chancellor
- 7) The P. A. to the Hon'ble Pro-Vice-Chancellor
- 8) The P. A. to the Registrar
- 9) The all Concerned Officers

Rashtrasant Tukadoji Maharaj
Nagpur University Nagpur


(Dr. Anil Hirekhan)
Deputy Registrar (Acad)



Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur

Direction No. **21** of 2018

Direction issued under section 12(8) of the Maharashtra Public Universities Act, 2016, (Mah.Act No.VI of 2017) relating to B.E., B.Tech., first to last semester in the Credit Based Semester Pattern for the award of Degree of Bachelor of Engineering (four years degree course), Bachelor of Technology (four years degree course), Full Time in the Faculty of Science and Technology.

Whereas, the Maharashtra Public Universities Act No. 2016 (No. VI of 2017) has come into force with effect from 1st March, 2017.

AND

Whereas, the Committee constituted by the Hon'ble Vice Chancellor for the purpose of amendment in Direction No 9 of 2015.

AND

Whereas, the Committee has approved the amendment in the direction No 9 of 2015 in its meeting held on 8th Jan, 2018. This Direction shall come into force from the Academic Session 2018-19 and onwards.

Now, therefore, I, Dr. S.P.Kane, Vice-chancellor of Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur in exercise of powers vested in me under section 12(8) Maharashtra Public Universities Act, 2016, (Mah.Act No.VI of 2017), do hereby issue the following Direction pertaining to the amendment as made for B.E. and B.Tech, in the Credit Based Semester Pattern for the award of B.E. and B. Tech. degree in the Faculty of Science and Technology.

1. This Direction shall be called "Direction regarding Credit Based Semester Pattern Scheme and Examination leading to B.E. and B.Tech in the Credit Based Semester Pattern in the Faculty of Science and Technology, Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur.

2. Subject to the compliance with the provisions of this Direction and any other Ordinance which is in force from time to time shall be applicable.

3. Special Instructions:

- a) A student having passed in a particular subject heads of passing of annual /semester pattern at any semester level shall be exempted from such subject heads at any level (lower/higher) of Credit Based Semester Pattern. Even if the subject is named with a new nomenclature having similar contents, shall also be exempted and such subject heads are/ shall be mentioned in the absorption scheme (as per annexure-A) provided by the respective B.O.S. for relevant semester. In case of absorption, if required, proportionate marks/grades shall be awarded to absorbed subject heads.
- b) If a new subject head is introduced in the Credit Based Semester Pattern, then the internal marks shall be awarded in proportion to the marks/grades earned by a student in the university/external examination in the same subject head.
- c) In B.E. & B.Tech., minimum passing marks for the theory subject shall be 40% of total marks & 50% for practical of total marks in respective subject head.
- d) Students appearing for the first time in examination of 1st Sem./3rdSem/ 5th Sem./7thSem (New CBS Pattern) along with the examinations of 2nd Sem./4th Sem./6thSem/ 8thSem (New CBS Pattern), shall be treated as regular examinee, provided they have completed the term work successfully (the term work completion certificate should be issued by the concerned Head of the Institution).
- e) All the failure students of old semester pattern under Rashtrasant Tukadoji Maharaj Nagpur University, Nagpur of Autonomous Colleges shall be absorbed as per the scheme of examination and syllabus of Autonomous Colleges hereinafter.

f) Student being absorbed in CBS pattern shall be exempted from the subject/s which he/she has cleared in the old semester pattern as per the absorption scheme provided by the concern B.O.S. However the subject/s which he/she has not cleared in the old semester pattern and having no equivalent subject at any level of CBS pattern shall not be considered during the absorption irrespective of the status of the result of that subject.

g) In the case of unsuccessful examinees, the marks obtained in College assessment in the subjects in which they failed shall be carried forward. However the student has option to forego the College Assessment marks.

4. The A.T.K.T. Rules for B.E./B.Tech shall be as follows :

Table No.1

Table No.1 Admission to Semester	Candidate should have passed in all subject heads of following examination of the University	Status of the term work	Candidate should have passed in 2/3rd of total subject heads of the following examination taken together
I	As per eligibility	--	---
II	----	I Sem term work should have been completed and appeared in Examination.	--
III	----	--	I and II Semester
IV	----	III Sem term work should have been completed and appeared in Examination.	I and II Semester
V	I and II Semester	--	III and IV Semester
VI	I and II Semester	V Sem term work should have been completed and appeared in Examination.	III and IV Semester
VII	III and IV Semester	--	V and VI Semester
VIII	III and IV Semester	VII Sem term work should have been completed and appeared in Examination.	V and VI Semester

Note:

- i) For calculation of passing heads, any decimal fraction should be rounded off to lower digit.
- ii) The passing heads shall include all the credit and audit subject heads.

5. Students failing under old semester pattern shall be provided maximum five attempts to clear the subject(s), after which they shall be absorbed in the new scheme (CBS).

Whereas, any student willing to opt for New Credit Based Semester Scheme shall be absorbed as per the absorption schemes provided by relevant Board of Studies. However, student will have to appear for the examinations under Credit Based Semester Scheme for the matching subjects in which student has not cleared the subject in Semester Pattern Scheme/Annual Pattern.

- 6. i) The Scope of subject shall be as indicated in the syllabus.
ii) The medium of instruction and examination shall be English.
- 7. The provisions of Ordinance no.3 (7) relating to “condonation of deficiency of marks” for passing an examination and of Ordinance no. 10 as amended up-to-date relating to “exemptions and compartments” shall apply to the examination under this Ordinance. However, students who are marked absent in internal assessment either in theory or practical or both in a subject, shall not be eligible for grace marks in that subject.
- 8. An Examinee who does not pass or who fails to present himself/herself for the examination(s) shall be eligible for reappearing in the same examination on payment of a fresh fee and as such other fees as may be prescribed from time to time. However, **readmission** to semester should be allowed only when a regular session is running for a particular semester.

9. The following note will be applicable after implementation of semester pattern:

- i) The marks will be allotted in all examinations which will include college assessment marks and the total marks for each Theory / Practical shall be converted into Cumulative Grades Point Average (CGPA) as per **Table No.2**.
- ii) SGPA shall be calculated based on Grade Points corresponding to percentage of marks as given in **Table No.3** and the Credits allotted to respective Theory / Practical shown in the scheme for respective semester.

iv) SGPA shall be computed for every semester as per following formula.

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

Where:

C = Credit of individual Theory / Practical

G = Corresponding Grade Point obtained in the respective Theory /Practical.

n= Number of subject heads in a given semester

v) The CGPA shall be calculated based on SGPA of VII and SGPA of VIII semester taken together as per following formula:

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

Where:

(SGPA)_{vii} = SGPA of VII Semester

(Cr)_{vii} = Total Credits for VII Semester

(SGPA)_{viii} = SGPA of VIII Semester

(Cr)_{viii} = Total Credits for VIII Semester

SGPA = Semester Grade Point Average

CGPA = Cumulative Grade Point Average

As per All India Council for Technical Education (AICTE), CGPA may be converted into equivalent marks as mentioned below:

(CGPA - 0.75) X10 = Equivalent Percentage, e.g.

Table: 2

CGPA	Equivalent Percentage
Less than 4.75	Fail
4.75	40%
5.25	45%
5.75	50%
6.25	55%
6.50	57.5%
6.75	60%
7.50	67.5%
7.75	70%
8.25	75%
9.25	85%
10.00	92.5%

- CGPA equal to 6.75 and above shall be considered as equivalent to First Class.
- CGPA less than 6.75 shall be considered as second class.
- CGPA equal to 8.25 and above shall be considered as equivalent to Distinction on Grade Card of VIII Semester as a footnote.
- CGPA less than 4.75 shall be considered as failed.

Table No.3

Theory			Practical		
Grade	Percentage of Marks	Grade Point	Grade	Percentage of Marks	Grade Points
AA	Above 90 to 100	10	AA	Above 90 to 100	10
AB	Above 80 to 90	9	AB	Above 80 to 90	9
BB	Above 70 to 80	8	BB	Above 70 to 80	8
BC	Above 60 to 70	7	BC	Above 60 to 70	7
CC	Above 50 to 60	6	CC	Above 50 to 60	6
CD	40 to 50	5	CD	50	5
FF	Below 40	Fail	FF	Below 50	Fail
ZZ	Absent	--	ZZ	Absent	--

CD= Pass and FF=Fail


10. As soon as possible, after the examination, the Board of Examinations shall publish a list of successful examinees and the degree shall be awarded based on SGPA of 7th and 8th semester taken together and CGPA thereon for B.E. and B.Tech.
11. Direct admission of Diploma Students to the Second Year in B.E. (Fire Engineering) course shall not be permitted.
12. For Fire Engineering course the revised scheme for VIII Semester will be implemented from session 2018-19 & onwards.



13. I, further direct that the aforesaid Direction shall come into force from the date of issuance and shall remain in force till the relevant Ordinance comes into force in accordance with the provisions Maharashtra Public Universities Act, 2016, (Mah.Act No.VI of 2017) and the relevant provisions published by this Direction shall be repealed from the existing Directions.

Nagpur

Date: 20/11/18



Dr. S.P.Kane

Vice-Chancellor

Annexure - A _____ (Scheme of Exams) *