



RASHTRASANT TUKADOJI MAHARAJ NAGPUR UNIVERSITY

'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)

DIRECTION NO. 29 OF 2024

ADMISSIONS AND EXAMINATIONS LEADING TO THE AWARD OF THE DEGREE OF BACHELOR OF SCIENCE (ARTIFICIAL INTELLIGENCE) (SEMESTER PATTERN) DIRECTION, 2024

Whereas, Maharashtra Public Universities Act 2016 (VI of 2017) (hereinafter Act VI of 2017) has come into force from 1st March 2017, repealing the Maharashtra Universities Act, 1994 and the has been made applicable to Rashtrasant Tukadoji Maharaj Nagpur University (herein after the University);

AND

Whereas, the University Grants Commission, New Delhi vide letter No.D.O.No.F 1-2/2008/(XI Plan), dated.31 Jan.2008 regarding new initiatives under the XIth Plan – Academic Reforms in the University has suggested for improving quality of higher education and to initiate the Academic Reforms at the earliest;

AND

Whereas, the Board of Studies for Interdisciplinary programme in Science (Artificial Intelligence/Data Science/Finance/Cyber Security etc.) in all the Science subjects in their meeting held during 20/10/2023 prepared the syllabi and scheme of examination for the B. Sc. Artificial Intelligence degree course and recommended for starting of the semester pattern in Faculty of Science from the academic session 2023-24,

AND

Whereas, the recommendations of Board of Studies in the faculty of Science regarding starting of B.Sc. (AI) was considered and has granted approval on behalf of Faculty of Science and Academic Council by the Vice Chancellor by exercising his powers under section 12(7) of the Act

AND

Whereas, the new scheme of examination as per semester pattern is to be implemented from the Academic Session 2023-24 for B.Sc. Artificial Intelligence First Year & onwards which is to be regulated by this direction and as there is no direction issued or in existence and framing of an Ordinance for the above examination is a time consuming process.

AND

Whereas, the admission of students in the semester pattern at B.Sc. Artificial Intelligence First Year are to be made in the Academic Session 2023-24.

AND

Whereas, Direction No. 10/2024 was issued entitled “ Admissions and Examinations Leading to the Award of the Degree of Bachelor of Science(Artificial Intelligence) (Semester Pattern)” but in para No.19 table (2) prescribing grade letters and range of marks for passing in practical papers it was shown that minimum passing marks required are 50% while in the detailed scheme it was shown as 40%

AND

 

Whereas, In order to correct the above anomaly the present Direction is required to be issued repealing the Direction No. 10/2024,

Now, therefore, I, Dr. Subhash Chaudhari, Vice Chancellor of Rashtrasant Tukadoji Maharaj Nagpur University, in exercise of powers conferred upon me under provision of Section 12 (8) of the Act do hereby issue following direction;

1. This Direction may be called, “**ADMISSIONS AND EXAMINATIONS LEADING TO THE AWARD OF THE DEGREE OF BACHELOR OF SCIENCE (ARTIFICIAL INTELLIGENCE) (SEMESTER PATTERN) DIRECTION, 2024**”.
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 SCIENCE (ARTIFICIAL INTELLIGENCE)** in the faculty of Science namely:
 - a. The B.Sc. (A I) Semester-I Examination;
 - b. The B.Sc. (A I) Semester-II Examination;
 - c. The B.Sc. (A I) Semester-III Examination;
 - d. The B.Sc. (A I) Semester-IV Examination;
 - e. The B.Sc. (A I) Semester-V Examination; and
 - f. The B.Sc. (A I) Semester-VI Examination.(ii) The period of Academic Session shall be such, as may be notified by the University.
4. The theory examination of Semester-I, II, III, IV, V and VI shall be conducted by the University and shall be held separately at the end of each semester at such places and dates as may be decided by the University and shall be held as per the schedule given in Table 1.

Table 1			
Sr. No.	Name of the Examination	Main Examination	Supplementary Examination
1.	Semester I, III, and V	Winter,	Summer
2.	Semester II, IV, and VI	Summer	Winter

5. Eligibility of every applicant for admission to B. Sc. (Artificial Intelligence) Semester course shall:-

A) In case of the B. Sc. (A I) Semester I examination:-

The candidate should have passed the 12th Standard Examination of the Maharashtra State Board of Secondary and Higher Secondary Education with English and other Modern Indian Languages together with **any three Science subjects comprised in the faculty of Science with Mathematics** or an examination recognized as equivalent thereto in such subjects and with such standards of attainments as may be prescribed.

B) In case of the B. Sc. (A I) Semester II, III, IV, V and VI Examinations:-

The student should have attended a minimum of 90 days in the respective semester and passed the previous semester examination as per the rules of ATKT as mentioned in table 2 of this direction.

6. The ATKT rules for admission for the B.Sc.(Artificial Intelligence) Course (**Theory and Practical as separate passing head and on calculation fraction, if any, shall be ignored**) shall be as given in the following Table- 2.

Table 2		
Admission to Semester	The student should have attended the Session / term satisfactorily	Candidates should have passed at least one half of the passing heads of the following examinations (Theory and Practical as separate passing head and on calculation fraction, if any, shall be ignored)
1	2	3
B. Sc. Semester I	Semester I and admitted As per para 5 of this Direction	-----
B. Sc. Semester II	Semester II	-----
B. Sc. Semester III	Semester III	One half of the total head prescribed for Semester I and Semester II examination
B. Sc. Semester IV	Semester IV	-----
B. Sc. Semester V	Semester V	a) Passed Semester I & II examination and b) One half of the total head prescribed for Semester III & IV examination
B. Sc. Semester VI	Semester VI	-----

7. The fee for each Semester examination shall be as prescribed by the University from time to time.
8. Every examinee for the B. Sc. (A I) Semester I & II examination shall be examined in:
i) Compulsory English
ii) Any one of the following Languages (Second Language)
Marathi, Hindi, Urdu, Supplementary English, Gujarati, Bengali, Telugu, Sanskrit, French, German, Russian, Persian, Arabic, Pali and Prakrit or Latin
9. The Scope of the subjects of all semesters of B.Sc. (AI) examination shall be as indicated in the respective syllabi in force from time to time. The medium of instruction and examination shall be English, except for the courses in Languages.
10. The maximum marks allotted to each subject and the minimum marks which an examinee must obtain in order to pass the examination shall be as per the **Appendix A** appended to this Direction.
11. The practical examination of all semesters shall be conducted at the end of each semester as indicated in Table 3 given below.

Table 3			
Sr. No.	Name of the Examination	Main Examination	Supplementary Examination
1.	Semester I, III, and V	Winter,	Summer
2.	Semester II, IV, and VI	Summer	Winter

12. The scheme of awarding internal marks shall be as per **Appendix- B** appended with this Direction.
13. Successful examinees at the B.Sc. (A I) Sem-VI Examination who obtained not less than 60% marks (aggregate of Sem-I, II, III, IV, V & VI Examinations taken together, excluding Languages) shall be placed in First Division, those obtaining less than 60% but not less than 45% in Second Division, and all other successful examinees in the Third Division.

Explanation :

Division at the B.Sc. (A I) Examination shall be declared on the basis of the marks obtained only in the Subjects other than languages at the Semester - I, II, III, IV, V & VI Examinations taken together.

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 that subject.

Explanation :

- (1) Distinction shall be awarded only in the Science Subjects.
 - (2) Distinction at the B.Sc. (A I) Examination shall be awarded on the basis of the marks obtained at the B.Sc. (A I) Semester - I, II, III, IV, V and Semester VI Examination taken together.
 - (3) Distinction shall not be awarded to an examinee availing of the provision of the exemptions and compartments at any of the examination.
16. No Person shall be admitted to B.Sc. (A I) Sem-I, II, III, IV, V and VI Examinations, if he/she has already passed the corresponding or an equivalent examination of any other Statutory University.
 17. The provisions of direction no. 3 of 2007 for the award of grace marks for passing an examination, securing higher grade in subject(s) as updated from time to time shall apply to the examination under this direction.
 18. Provisions of **Ordinance No 7-A** relating to the Condonation of Deficiency of Marks for passing an examination and compartment as amended up-to-date **vide ordinance No. 45 of 1983** shall apply to the examinations under this Direction.
 19. Conversion of Marks to Grades and Calculations of SGPA (Semester Grade Point Average) and CGPA (Cumulative Grade Point Average):
- (A) In the Credit and Grade Point System, the assessment of individual Courses in the concerned examinations will be on the basis of marks only, but the marks shall later be converted into Grades by some mechanism wherein the overall performance of the Learners can be reflected after considering the Credit Points for any given course. However, the overall evaluation shall be designated in terms of Grade. There are some abbreviations used here that need understanding of each and every parameter involved in grade computation and the evaluation mechanism. The abbreviations and formulae used are as follows:-

Abbreviations and Formulae Used

G: Grade

GP: Grade Points

C: Credits

CP: Credit Points

CG: Credits X Grades (Product of credits & Grades)

SGPA = ΣCG : Sum of Product of Credits & Grades points / ΣC : Sum of Credits points

SGPA: Semester Grade Point Average shall be calculated for individual semesters. (It is also designated as GPA)

CGPA: Cumulative Grade Point Average shall be calculated for the entire programme by considering all the semesters taken together.

CGPA to Percentage (%) Conversion Formula

Percentage (%) = (CGPA) * 10

(B) After calculating the SGPA for an individual semester and the CGPA for entire programme, the value can be matched with the grade in the Grade Point table as per the ten (10) Points Grading System and expressed as a single designated GRADE such as O, A+, A, B+, B, etc.

For theory papers following table shall be applicable.

Sr. No.	Letter Grade	Grade Points	Marks Range	Performance
01.	O	10	Above 90 up to 100	Outstanding
02.	A+	9	Above 80 up to 90	Excellent
03.	A	8	Above 70 up to 80	Very Good
04.	B+	7	Above 60 up to 70	Good
05.	B	6	Above 55 up to 60	Above Average
06.	C	5	Above 50 up to 55	Average
07.	P	4	40 up to 50	Pass
08.	F	0	Below 40	Fail
09.	AB	0	Absent	Fail

For Practical papers following table shall be applicable.

Sr. No.	Letter Grade	Grade Points	Marks Range	Performance
01.	O	10	Above 90 up to 100	Outstanding
02.	A+	9	Above 80 up to 90	Excellent
03.	A	8	Above 70 up to 80	Very Good
04.	B+	7	Above 60 up to 70	Good
05.	B	6	Above 55 up to 60	Above Average
06.	C	5	Above 50 up to 55	Average
07.	P	4	40 up to 50	Pass
08.	F	0	Below 40	Fail
09.	AB	0	Absent	Fail

A student obtaining Grade F shall be considered failed and will be required to reappear in the examination.

(C) Division at the **B.Sc. (Artificial Intelligence)** Semester - VI Examination shall be declared on the basis of the aggregate marks at the **B.Sc. (Artificial Intelligence)** Semester - I, Semester - II, Semester-III, Semester- IV, Semester- V and Semester- VI Examination taken together and the CGPA will be calculated and notified.

(D) Successful examinees in the **B.Sc. (Artificial Intelligence)** Semester Examination shall be awarded Distinction in each subject in which examinees obtain 75% or more marks in that subject at the respective Examination.

(E) Notwithstanding anything to the contrary in this Direction, no person shall be admitted to an examination under this Ordinance, if he/ she has already passed the same examination or an equivalent examination of any other University.

(F) Examinees successful at B.Sc. (Artificial Intelligence) Semester - I, Semester - II, Semester-III, Semester- IV, Semester- V and Semester- VI Examination shall on payment of the prescribed fees receive a Degree in the prescribed form signed by the Vice-Chancellor.

20. The provisions of Direction no. 3 of 2007 for the award of grace marks for passing an examination, securing higher grade in subject(s) as updated from time to time shall apply to the examination under this Direction.

Nagpur

Date: 25-6-24



(Dr. Subhash Chaudhari)
Vice- Chancellor

