

प्राविधिक शिक्षा मण्डल, राजस्थान, जोधपुर

डब्ल्यू-6 रेजीडेन्सी रोड, जोधपुर, फोन नं. 0291-2430440, 263657

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क्रमांक एफ 4(152S) प्राशिम/पाविप्र/2020-21/

दिनांक

प्रधानाचार्य,

समस्त सम्बद्धता प्राप्त महाविद्यालय (इंजीनियरिंग एवं नॉन इंजीनियरिंग)  
द्वारा ई मेल।

विषय :- सेमेस्टर स्कीम 2020-21 के लिये पुनः संशोधित नियम एवं नियमन।

सन्दर्भ :- मण्डल पत्रांक 1195 दिनांक 25.02.2021

महोदय,

उपरोक्त विषयान्तर्गत लेख है कि सन्दर्भित पत्र द्वारा आपको सेमेस्टर स्कीम 2020-21 के लिये संशोधित नियम एवं नियमन प्रेषित किये गये थे।

प्रेषित किये गये नियमनों में पुनः आशिक संशोधन किये गये हैं। Revised नियम एवं नियमन संलग्न कर प्रेषित किये जा रहे हैं। कृपया सभी सम्बन्धित को सूचित करावें तथा महाविद्यालय के Notice Board एवं Website पर इसे चस्पा करावें।  
संलग्न : उपरोक्तानुसार।

—sd—  
(अंशु सहगल)

संयुक्त निदेशक एवं सचिव

दिनांक:

क्रमांक एफ4(152S)प्राशिम/पाविप्र/2020-21/1355

प्रतिलिपि:- निम्न को वास्ते सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है :-

9 MAR 2021

1. संयुक्त शासन सचिव, तकनीकी शिक्षा विभाग, जयपुर।
2. संयुक्त निदेशक, ई-2, प्राविधिक शिक्षा निदेशालय, जोधपुर।
3. संयुक्त निदेशक (रजिस्ट्रार), प्राविधिक शिक्षा मण्डल, राजस्थान, जोधपुर।
4. संयुक्त निदेशक (गोपनीय) प्राविधिक शिक्षा मण्डल, राजस्थान, जोधपुर।
5. संयुक्त निदेशक (सामान्य), प्राविधिक शिक्षा मण्डल, राजस्थान, जोधपुर।
6. विभागाध्यक्ष, (गोपनीय) प्राविधिक शिक्षा मण्डल, राजस्थान, जोधपुर।
7. प्रभारी- परीक्षा शाखा/गोपनीय शाखा/कम्प्यूटर शाखा/सामान्य शाखा/पुस्तकालय प्राशिम., जोधपुर।
8. श्री रघुनाथ सिंह चौहान, शैक्षणिक अधिकारी एवं नोडल अधिकारी, प्राशिम., जोधपुर को भेजकर लेख है कि पूर्व में अपलोड किये गये नियमन हटा कर उनके स्थान पर दीये Revised नियमनों को मण्डल की वेबसाईट पर अविलम्ब अपलोड करना सुनिश्चित करावें।

(अंशु सहगल)

संयुक्त निदेशक एवं सचिव

**BOARD OF TECHNICAL EDUCATION, RAJASTHAN, JODHPUR**  
**RULES AND REGULATION**  
**FOR DIPLOMA COURSES IN ENGINEERING AND NON ENGINEERING**  
**SEMESTER SCHEME 2020-21**  
**FOR THE SESSION 2020-2021 AND ONWARDS**

**1. DEFINITIONS:**

- Board** : Means, Board of Technical Education, Rajasthan, Jodhpur constituted by Government of Rajasthan.
- Chairman** : Means, the Chairman of the Board, Ex - officio Director of Technical Education, Rajasthan, Jodhpur.
- Secretary** : Means, Joint Director (Secretary) of Board.
- Registrar** : Means, Joint Director (Registrar) of Board.
- Diploma Programme**: Means, the branches of Engineering / Non Engineering, in which Regular Diploma is awarded by the Board.
- Course of Study** : The course of study during semester shall consist of such compulsory and elective subjects as are prescribed by the Board in Teaching and Examination Scheme from time to time.
- Affiliated Institution**: Means, an Institution affiliated with Board, following Rules and Regulations of Board and the Academic Calender of Board running Diploma course and examinations of which are conducted by the Board.
- Principal** : Means, the Principal or the Head of the affiliated Institution.
- Year** : Year, means an academic session consisting of two semesters, for example first year means the first academic session of the prescribed course of study. Similarly, Second and Third year means Second and Third academic session respectively consisting of two semesters each.
- Regular Student** : Means, a student who is eligible to pursue a regular course of study i.e. to attend regular classes in a particular semester in which he/she wants to appear in the examination in the institution in which he has been enrolled by the Board.
- Ex-Student** : Means, a student who has completed a regular course of study as prescribed by the Board during a semester, but fails in any Theory/ Practical subject and is eligible to reappear in examination in one or more subjects.
- Examination** : Means, any examination conducted by the Board.

21/11/21  




**Credits** : Means the numbers earned by the student after passing the examination of a subject.

**Attempt** : Means, opportunity made available to the student by the Board to get himself/herself appeared for the end term examination.

## 2. ADMISSION QUALIFICATIONS:

The minimum qualification for admission to a Diploma Course in an affiliated institution shall be prescribed by the Government of Rajasthan from time to time.

## 3. DURATION OF PROGRAMME:

The Duration of Diploma Course shall be 3 years (6 Semesters). Beauty Culture Branch (Non Engineering Course) is of 2 Years (4 Semesters) duration.

## 4. ENROLMENT:

No student shall be allowed to appear in any examination of the Board unless he/she has been enrolled with the Board. A student during his/her enrolment with the Board can not enroll himself /her self with any other Board/ University. If any such case is reported, the enrolment of the student with the Board will be cancelled and he/she will not be allowed to appear in any of the examinations conducted by the Board.

## 5. EXAMINATION SCHEME AND EVALUATION SCHEME:

As Per Attachment.

## 6. ELIGIBILITY FOR EXAMINATION: -

6.1 For eligibility to appear in the Examination a student must have attended at least 75% of the total periods of the lecture (L) and tutorial (T) (i.e. L+T) of each Theory subject and 75% of the total periods of each Practical Subjects during the semester. The deficiency in attendance to the extent of 5% may be condoned by the Principal and an additional 5% by the Chairman for specific reason.

6.2 A student who does not fulfill the prescribed condition as mentioned in 6.1 shall not be allowed to appear in the examination. The detention orders shall be issued by the Head of the Institution on behalf of the Board.

6.3 A student who is not eligible to appear in the examination under regulation 6.1 shall repeat the course of study as a regular student. Such students shall not be permitted, where applicable, to keep term in the next higher semester.

## 7. PASSING STANDARDS:

7.1 For a pass in a subject a candidate must obtain at least grade D in that subject whether it is theory or practical.

7.2 If a student remains "ABSENT" or obtains less than 30% of AVmaxi in any of the End Semester Theory or End Semester Practical Examination (Any Subject), he/she will also be awarded "F" grade. All students who have obtained "F" grade in a subject will be required to appear in subsequent back examinations. "F" grade student while applying for back paper examination may opt either of the following options:

7.2.1 Wish to carry forward the already obtained previous marks of internal assessment

7.2.2 Wish to improve the internal assessment too



(Improvement in internal assessment is permitted in both Theory as well as Practical Subjects)

7.3 No grace shall be awarded.

Where,  $AV_{maxi}$  is the average of the marks obtained by first  $N$  students in descending order of the absolute marks secured by them in the  $i$ th subject in End Semester Theory or End Semester Practical Examination (Any Subject) starting from the student who has secured highest absolute marks in that subject.

$N$  to be calculated as 1% of the number of students appeared in  $i$ th subject, rounded off to next higher integer, but if the value of  $N$  thus calculated is less than 3 then  $N$  should be taken as 3.

Where,  $AV_{maxi}$  is the average of the marks obtained by first  $N$  students in descending order of the absolute marks secured by them in the  $i$ th subject in End Semester Theory or End Semester Practical Examination (Any Subject) starting from the student who has secured highest absolute marks in that subject.

$N$  to be calculated as 1% of the number of students appeared in  $i$ th subject, rounded off to next higher integer, but if the value of  $N$  thus calculated is less than 3 then  $N$  should be taken as 3.

- 7.4 A Diploma student, who either pass or fail in I, III and V semester shall be Promoted to next higher semester. He/She will be allowed to reappear in Board's examination to pass the subjects in which he/she is failed as Ex Student.

## 8. CHECK POINT:

- 8.1 A Diploma student who has earned less than total 25 credits in first and second semesters shall not be promoted to Second Year. He/She will be allowed to reappear in Board's examination to pass the subjects in which he/she is failed as Ex Student.

Similarly Laterally admitted student student who has earned less than total 25 credits in second and third semesters shall not be promoted to Third Year. He/She will be allowed to reappear in Board's examination to pass the subjects in which he/she is failed as Ex Student.

- 8.2 A Diploma student who has earned less than total 50 credits shall not be promoted to Third Year. He/She will be allowed to reappear in Board's examination to pass the subjects in which he/she is failed as Ex Student.
- 8.3 A student has to earn full credits required for the diploma programme by the end of six academic years from the year of enrolment failing which his/her enrolment with the Board will automatically be cancelled.
- 8.4 Time limit to pass all subjects of Diploma course will not be extended for any punishment by the institution and for the punishment awarded by the Board for the use of unfair means in the examination.
- 8.5 The Enrolment of a student who does not fill up the Examination Form for any of the board's examination either regular or ex -student for 2 consecutive Academic years (4 Semesters) will be cancelled and he/she will not be allowed to appear in any of the examination conducted by the Board.

## 9. SPECIAL EXAMINATION:

- 9.1 A Diploma student who fails in any subject of VI semester will be allowed to



reappear in a special examination for VI semester to be conducted after suitable interval.

9.2 Only those diploma students who have passed all subjects other than VI semester shall be allowed in the special examination for VI semester.

9.3 The special examination will be treated as part of the regular examination.

**10. AWARD OF DIPLOMA:**

Diploma in a Programme will be awarded to the students who have earned total credits prescribed for the particular Diploma programme.

**11. MERIT:**

Students who pass all subjects of a Diploma course in single attempt and within prescribed duration of the course will be considered for the merit as per rules of the Board. Absolute Total Marks will be considered for deciding the Merit.

**12. DEBARED/RUSTICATED STUDENTS:**

Any student debarred or rusticated by the competent authority will not be eligible to study in any Institute and also will not be permitted to appear at the Board Examination from the date of issue of such orders for the period of punishment.

13. These Rules and Regulation shall come into force for students under **Semester Scheme-2020-2021** from the session **2020-2021** and onwards.

14. A student who completes a course of study in a branch and become eligible for award of a Diploma may be permitted to study and appear in the examination of Diploma in other branch in accordance with rules of the Board.

15. If a student is unable to pass regularly the course of study prevailing at the time of admission then he/she is liable to be shifted in the consecutive new scheme, if any, introduced by the Board at any time.

16. The power of addition and alteration of rules shall remain with the Board of Technical Education, Rajasthan, Jodhpur.

17. In case of any dispute, the jurisdiction will be courts situated at **JODHPUR** only.

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**BOARD OF TECHNICAL EDUCATION, RAJASTHAN, JODHPUR**  
**RULES AND REGULATIONS**  
**FOR DIPLOMA COURSES IN ENGINEERING AND NON ENGINEERING**  
**SEMESTER SCHEME 2020-21**  
**FOR THE SESSION 2020-2021 AND ONWARDS**

**Guidelines for Conduction of Examination and Evaluation Scheme**

Examination of all subjects whether theory or practical will have two components:

- (i) End Term (Semester) Examination
- (ii) Internal Assessment

The distribution of 100 Marks for End Term Examination and Internal Assessment will be as given in Table 1:

**Table 1**

S.No.	Type of Paper	Marks for End Semester Examination	Marks for Internal Assessment	Maximum Total Marks
1.	Theory Paper	60	40	100
2.	Practical Paper	40	60	100

Details of End Semester Examination (Theory Paper Pattern) are given in Table 2:

**Table 2**

S.No.	Component Name in the Question Paper	Number of Questions	Marks
1.	Type A (Objective Type questions)	10 Questions (Students have to attempt all the 10 questions)	10 Marks (one mark for each question)
2.	Type B (Short answer Type questions)	8 Questions, (Students have to attempt any 6 questions)	18 Marks (3 marks for each question)
3.	Type C (Descriptive type, may have numerical also)	6 Questions (Students have to attempt any 4 questions)	32 Marks (8 marks for each question)
Maximum Marks in End Semester Examination (A)			60
Total Duration of Examination			3 Hours

Details of the Internal Assessment Marks (Theory paper) are given in Table 3

**Table 3**

S. No.	Component Name	Marks (Subject with or without Tutorial)
1.	I Mid Semester Exam	10
2.	II Mid Semester Exam	10



3.	Tutorials/ Assignments	20
Maximum Marks in Internal Assessment (B)		40

**Note: Assignments will be given in the subjects without Tutorials and those will be Regularly assessed .**

**Maximum Total Marks** in a subject = Maximum marks of End Semester Examination (A) + Maximum marks of Internal Assessment (B) (60 + 40) = 100

### **Procedure to Award Grade in each Subject:**

After the completion of End Semester Examination, the total marks obtained in each theory and practical paper separately (i.e. sum of marks obtained by student in End Semester Examination and Internal Assessment in theory and practical separately) by the student out of the maximum total marks in a subject will be used for awarding the grade in each subject (Separately for Theory and Practical). These marks will be called as the absolute total marks of the candidate in a subject. Absolute Total Marks (ATM) will be calculated as follows:

$ATM_i$  (for  $i^{th}$  Theory Paper) = Marks obtained in End Semester  $i^{th}$  Theory Exam + Internal Assessment in  $i^{th}$  Theory Paper

$ATM_i$  (for  $i^{th}$  Practical Paper) = Marks obtained in End Semester  $i^{th}$  Practical Exam + Internal Assessment in  $i^{th}$  Practical Paper

The steps to be followed for awarding the grade in each subject will be as follows:

Step1: The absolute total marks obtained ( $ATM_i$ ) in  $i^{th}$  subject by the student shall be converted into relative marks ( $RM_i$ ) in that subject on a 100-point scale using the formula given below:

$$RM_i = (ATM_i / P_{max}) Q$$

Where:

$RM_i$  is the converted relative marks of a student in  $i^{th}$  subject rounded off to next higher integer, further if the relative marks thus calculated exceed maximum total marks (100) then for that student the value of  $RM_i$  should be taken as 100.

$ATM_i$  is the absolute total marks obtained by the student in  $i^{th}$  subject.

$P_{max}$  to be selected from the Table 4 depending on the value of  $AVX_{maxi}$ .

Where,  $AVX_{maxi}$  is the average of the marks obtained by first N students in descending order of the absolute total marks secured by them in the  $i^{th}$  subject starting from the student who has secured highest absolute total marks ( $x_{maxi}$ ) in that subject.

N to be calculated as 1% of the number of students appeared in the  $i^{th}$  subject, rounded off to next higher integer, but if the value of N thus calculated is less than 3 then N should be taken as 3.

Q to be selected from the Table 5 depending upon the absolute highest total marks obtained by any candidate/candidates in  $i^{th}$  subject ( $X_{maxi}$ )

Table 4

Range of $AVX_{\max i}$ in $i^{\text{th}}$ subject	$P_{\max}$
$AVX_{\max i} \geq 90$	90
$80 \leq AVX_{\max i} < 90$	80
$70 \leq AVX_{\max i} < 80$	70
$60 \leq AVX_{\max i} < 70$	60
$50 \leq AVX_{\max i} < 60$	50
$40 \leq AVX_{\max i} < 50$	40

Table 5

Highest Absolute total marks obtained by any candidate/candidates in $i^{\text{th}}$ subject ( $X_{\max i}$ )	Q
$X_{\max i} \geq 75$	100
$60 \leq X_{\max i} < 75$	89
$50 \leq X_{\max i} < 60$	84
$40 \leq X_{\max i} < 50$	74
$X_{\max i} < 40$ will not be considered for conversion (i.e. all the students will be awarded "F" Grade)	

Mapping of marks to Grades and Grade points is to be done as per Table 6

Table 6

S. No.	Relative Marks $RM_i$	Grade	Grade Point ( $g_i$ )
1.	$RM_i \geq 90$	A+	10.0
2.	$85 \leq RM_i < 90$	A	9.0
3.	$75 \leq RM_i < 85$	B+	8.5
4.	$70 \leq RM_i < 75$	B	7.5
5.	$60 \leq RM_i < 70$	C+	7.0
6.	$50 \leq RM_i < 60$	C	6.0
7.	$45 \leq RM_i < 50$	D+	5.0
8.	$40 \leq RM_i < 45$	D	4.0
9.	$RM_i < 40$	F	0.0



- (i) For a pass in a subject a candidate must obtain at least grade D in that subject whether it is theory or practical.
- (ii) If a student remains "ABSENT" or obtains less than **30% of**  $AV_{\max i}$  in any of the End Semester Theory or End Semester Practical Examination (Any Subject), he/she will also be awarded "F" grade. All students who have obtained "F" grade in a subject will be required to appear in subsequent back examinations. "F" grade student while applying for back paper examination may opt either of the following options:
  - (a) Wish to carry forward the already obtained previous marks of internal assessment
  - (b) Wish to improve the internal assessment too

***(Improvement in internal assessment is permitted in both Theory as well as Practical Subjects)***

- (iii) No grace shall be awarded

Where,  $AV_{\max i}$  is the average of the marks obtained by first N students in descending order of the absolute marks secured by them in the  $i^{\text{th}}$  subject in End Semester Theory or End Semester Practical Examination (Any Subject) starting from the student who has secured highest absolute marks in that subject.

N to be calculated as 1% of the number of students appeared in  $i^{\text{th}}$  subject, rounded off to next higher integer, but if the value of N thus calculated is less than 3 then N should be taken as 3.

**Note: 1. Existing Provisions of Retotalling and Answer book viewing are terminated .**

- (iv) Revaluation will be done as per the rules or provisions of Revaluation. However, If as per existing rules or provisions there is a change in marks of a candidate after revaluation then the relative marks will be calculated as per the procedure outlined above. While calculating new relative marks the value of  $P_{\max}$  and Q will be the same as that used while original result before revaluation was prepared. Change in marks will result in change in grade and grade point of the concerned candidate only in that subject and it will not affect the grades and grade point of all the other candidates in the subject, already obtained by them.
- (v) For a back examinee, the grade and grade point of a subject/paper shall be calculated based on their appearance in present (appearing) examination.
- (vi) The result may include the absolute marks obtained by student in an individual subject with related grade. However, the mark-sheet will contain the Grade, SGPA and CGPA only along with the important related rules of CBCS system.
- (vii) Semester wise SGPA:

$$SGPA = \frac{\sum_{i=1}^n C_i * g_i}{\sum_{i=1}^n C_i}$$

where,

$C_i$  = Credits of the registered subjects  $g_i$  = Grade points awarded to the student in the registered subject

$i = 1, 2, \dots, n$  represent the total number of registered subjects in the semester

NOTE: All theory and practical subjects must be considered for calculation of SGPA

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The overall grade of a student in the program of study upto the end of a particular semester shall be called as Cumulative Grade Point Average (CGPA). CGPA shall be calculated on the basis of all grades obtained in all undergone semesters as follows:

(viii) Overall CGPA

$$CGPA = \frac{\sum_{i=1}^m c_i * g_i}{\sum_{i=1}^m c_i}$$

where,

$C_i$  = Credits of the registered subjects  $g_i$  = Grade points awarded to the student in the registered subject.  $i = 1, 2, \dots, m$  represent the total number of registered subjects

NOTE: All theory and practical subjects must be considered for calculation CGPA

### I Semester:

Subject Code (1)	Credits (2)	Grade Awarded(3)	Earned Credits(4)	Grade Points(5)	Points Secured(6)
X001	5	C+	5	8	40
X002	5	C	5	7	35
X003	5	A+	5	10	50
X004	3	B+	3	9	27
X005	2	F	0	0	0
X006	2	D	2	4	8
X007	1	A	1	9.5	9.5
X008	1	B	1	8.5	8.5
X009	1	A	1	9.5	9.5
X010	1	B+	1	9	9
X011	2	A+	2	10	20

The concept of SGPA and CGPA is explained in below example:

Credits registered in the I semester (Total of column 2) : 28  
 Earned Credits in the I semester (Total of column 4) : 26  
 Points secured in I semester (Total of column 6) : 216.5

CGPA (I Semester) : 7.73214 Round off to 7.74

### II Semester:

Subject Code (1)	Credits (2)	Grade Awarded(3)	Earned Credits(4)	Grade Points(5)	Points Secured(6)
X001	5	C	5	7	35
X002	4	C+	4	8	32
X003	3	A	3	9.5	28.5
X004	4	B	4	8.5	34
X005	4	F	0	0	0
X006	1	D	1	4	4
X007	2	A+	2	10	20
X008	2	A	2	9.5	19
X009	1	B	1	8.5	8.5
X010	0	A	0	9.5	0
X011	2	A+	2	10	20

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SGPA (I Semester): (Column 6/ Column 2)

:7.73214 Round off to 7.74

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Credits registered in the II semester (Total of column 2) : 28 Earned

Credits in the II semester (Total of column 4) : 24

Points secured in II semester (Total of column 6) : 201

SGPA (II Semester): (Column 6/ Column 2) :7.17857 Round off to 7.18

CGPA (II Semester) :  $(216.5 + 201) / (28 + 28) = 7.45535$  Round off to 7.46

- (ix) The SGPA/CGPA shall be awarded in each semester.
- (x) SGPA/CGPA shall be rounded off to two decimal digits on higher side.
- (xi) Final course merit will be decided based on absolute marks obtained by an individual student considering relevant merit rules of the Board. Revaluation result will be considered for deciding the merit of the students.
- (xii) Conversion of Percentage to CGPA
- Equivalent Percentage =  $[(10 \times CGPA) - 5]$*
- (xiii) Award of Division: The division of the student shall be awarded in the following manner (subject to the passing of all the semester courses):

Table: 7

1	$CGPA \geq 7.5$	1 <sup>st</sup> Division with Honours
2	$6.5 \leq CGPA < 7.5$	1 <sup>st</sup> Division
3	$5 \leq CGPA < 6.5$	2 <sup>nd</sup> Division
4	$4 \leq CGPA < 5$	Pass

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