

# **RAJIV GANDHI PROUDYOGIKI VISHWAVIDYALAYA, BHOPAL**

Established under Act No. 13 of 1998

## **Ordinance No.4**

(Section 40 (1))

### **Ordinance for B.E. 4 year Degree course**

**( w.e.f. the year 2000-2001)**

**As Amended up to November, 2009**

**1.0** The first degree in Engineering of four-year (eight semester) course, hereinafter called 4-YDC, shall be designated as BACHELOR OF ENGINEERING, in respective Branch.

\*\*\*\*\*1.1 This degree of B.E. shall include the branches of CIVIL, MECHANICAL, ELECTRICAL, ELECTRONICS, ELECTRONICS & COMMUNICATION, ELECTRONICS & INSTRUMENTATION, INFORMATION TECHNOLOGY, COMPUTER SCIENCE AND ENGINEERING, AUTOMOBILE, CHEMICAL, METALLURGICAL, MINING, TEXTILE, PRODUCTION ENGINEERING, FIRE TECHNOLOGY & SAFETY ENGINEERING, INSTRUMENTATION & CONTROL AND ELECTRICAL & ELECTRONICS, BIO-MEDICAL, BIOTECHNOLOGY, INDUSTRIAL ENGG. & MANAGEMENT.

1.2 The studies and examinations of these B.E. courses shall be on the basis of Marks-cum-credit system.

## **2.0 ADMISSIONS**

2.1 The minimum qualification for admission to the first year B.E. shall be the passing of Higher Secondary School Certificate Examination (10+2) scheme with Physics, Chemistry and Mathematics conducted by M.P. Board of Secondary Education or an equivalent examination from a recognized Board/University.

2.2 Candidates who have passed the Diploma course in related branch of engineering from M.P. Board of Technical Education, Bhopal or equivalent shall also be eligible for admission to first semester of B.E. course.

\*\*\*\*\* 2.3 Minimum qualification for direct admission of Second year Bachelor of Engineering Course is as per the prevalent norms by M.P. Government.

2.3 Non-Resident Indian (N R I ) candidates shall also be eligible for admission to B.E. as according to the directives of the Government of Madhya Pradesh, provided they satisfy with the criterion of clause 2.1 above.

2.4 The eligible candidates as specified in clause 2.1 above should secure a place in the merit list prepared by V.P.P. Mandal, Bhopal for admissions to B.E. In general the admissions to B.E. course shall be governed by the rules by D.T.E. or any other competent authority of the State Government of Madhya Pradesh.

### 3.0 EXAMINATIONS

- \*\* 3.1** *There will be one University Examination at the end of each semester. These examination will be designated as follows.*
- \*\* 3.1** (a) *During First Year*
- *First Semester B.E., Exam, Second Semester B.E., Exam*
- \*\* 3.1** (b) *During Second Year*
- *Third semester B.E. Exam, Fourth semester B.E. Exam*
- \*\* 3.1** (c) *During Third Year*
- *Fifth semester B.E. Exam, Sixth semester B.E. Exam*
- \*\* 3.1** (d) *During fourth Year*
- *Seventh semester B.E. Exam, Eighth semester B.E. Exam*
- \*\* 3.2** *The semester examination will generally be held in Nov-Dec. and April May in each year.*
- \*\* 3.3** *There will be a full examination at the end of each semester consisting of theory papers and the laboratory practicals of all semesters. The duration of examination period normally should not exceed 20 working day."*
- \*\* 3.4** *A candidate who has been admitted in the Engineering course will be promoted to the higher class in accordance with the following sub rules:-*
- \*\* 3.4.1(a)** *Candidate who has taken admission in A-B Group and has appeared in the examination of odd semester of a particular year will automatically be promoted to even semester of that year irrespective of failing in any number of theory or practical of previous semester.*
- \*\* 3.4.1(b)** *A candidate who has taken admission in even semester under B-A Group and has appeared in the examination of even semester will automatically be promoted to next applicable odd semester irrespective of failing any numbers of theory or practical of previous semester.*
- Provided that the provisions of para 3.7 and 3.8 of this ordinance will be applicable at the time of admission to odd semester in A-B Group and admission to even semester of B-A Group*
- Note:** *The candidate who seeks admission in odd semester of an academic year is said to be in A-B group while a candidate who seeks admission in even semester of an academic year is said to be in B-A group. i.e. a Candidate of A-B Group will take admission in July where as candidate of B-A Group will take admission in January in the relevant academic year.*
- \*\* 3.4.2** *A candidate offering seventh semester after eighth (B-A group) will not be issued any mark sheet or Provisional certificate after eighth semester until he has passed all the semester*
- 3.5** *The duration of examination of any semester shall normally not exceed twenty working days*

\*\*\*\*\*3.6 *A candidate who has failed in more than six theory papers or a combination of more than six theory papers and practicals ( taken together), will become ex-student of the affiliated college.*

\*\*\*\* 3.7 *A candidate shall not be admitted in the fifth or higher semester classes unless he/she has fully passed/cleared the first and second semester examinations. Likewise candidates shall not be admitted in seventh or higher semester classes unless he/she has fully passed/cleared the first four semester examinations. For promotion to the next higher semester, the sequence shall be strictly adhered to.*

\*\*\*\*\*3.8 *A candidate will be promoted to the available semester of the next academic year provided he/she does not carry a backlog of more than six theory or combination of six theory and practical (taken together) of the immediate previous year.*

#### **4.0 PASSING EXAMINATIONS**

##### **4.1 BASIS OF MARKS**

\* 4.1.2 *The performance of a candidate in each semester shall be evaluated subject-wise, with a maximum of 100 marks for Theory and 50 marks for Practical subjects and 30 for the term work and 20 in mid sem.*

4.1.3 Projects shall be evaluated for 300 marks consisting of 100 marks in VII semester and 200 marks in VIII semester.

\*\*\*\*\*4.1.4 *There shall be Mid-semester and End-semester examination for each Theory paper with the following distribution and passing standard.*

<b>Name of Examination</b>	<b>Maximum Marks</b>	<b>Minimum Passing Marks</b>
<b>Mid-semester</b> (College level)	20	Nil
<b>End-semester</b> (Theory (University level)	100/80	35%
Practical	50/30/20	50%
Term Work	30/20	Nil

\* 4.1.5 *In the lab work there shall be Term-work evaluation and End-semester examination. A total of 50 marks are allotted to Practical exam. And 30 Marks to Term work.*

4.1.6 There is no minimum passing marks in Term-work, which shall be evaluated at college level.

4.1.7 For End-semester exams in Practical a minimum of 50% shall be essential for passing.

4.1.8 For the evaluation of End-semester exam in Practicals, one external examiner shall always be there from outside the College/Institution and one internal examiner from the College/Institution.

## 4.2 BASIS OF CREDITS

- 4.2.1 One hour of contact in lecture (L)/tutorial (T)/practical (P) will be equal to one credit.
- 4.2.2 Course wise category, code and credit score for each branch of B.E. shall normally be as follows :

S.No.	Category of Courses	Code	Appx. credits.
(1)	Humanities, Social services, Management and culture	HSM	24
(2)	Basic Sciences	BSC	28
(3)	Information Technology/Computers	ITC	12
(4)	Engineering Sciences and Technical Arts	EST	36
(5)	Departmental Basic courses including Minor and Major projects	DBC	132
(6)	Departmental Interdisciplinary courses	DID	12
(7)	Industrial Practical Training	IPT	16
<b>Total Credits</b>			<b>260</b>

- 4.2.3 A candidate shall earn all the credits allotted to the semester only when he/she passes the said semester.
- 4.2.4 Maintaining a total of 260 credits, a variation of four credits in distribution shall be permitted to any disciplines.
- 4.2.5 A candidate shall be eligible for the award of Degree of B.E. only when he/she earns all the 260 credits allotted to the course he/she had taken admission.

## 5.0 DURATION OF COURSE

- 5.1 There shall be atleast fourteen weeks of teaching in every semester.
- 5.2 A candidate may provisionally continue his/her studies in higher semester class after the examinations of the semester he/she appeared is over. However, his/her eligibility shall be evaluated only after the results of semesters are declared at which he/she had appeared.

\*\*\*\*\* 5.3 The maximum duration of the course shall be eight years.

## 6.0 AWARD OF DIVISION

- 6.1 Division shall be awarded only after the eighth and final semester examination, based on integrated performance of the candidate for all the four years.
- 6.2 Evaluation of integrated performance shall be on the basis of the scheme of weightage-marks added to the total score of the candidate as shown below :

I and II Semesters	I year	10% of I year Marks.
III and IV Semesters	II year	20% of II year Marks.
V and VI Semesters	III year	30% of III year Marks.
VII and VIII Semesters	IV year	100% of IV year Marks.

\*\*\*\*\* 6.2.1 *For evaluation of integrated performance for the lateral entry candidate (as specified in para 2.3 of ordinance No. 4) who have been admitted directly in the third Semester, the weightage of marks added to the total score of a candidate will be as shown below :*

1.	I,II,III &IV Semester	First year & Second Year	25%
2.	V & VI Sem.	Third Year	30%.
3.	VII & VIII Sem.	Fourth Year	100%.

6.3(a) A Candidate obtaining 75% marks and above in aggregate shall be awarded first division with distinction.

6.3(b) A Candidate obtaining 65% and above but less than 75% marks shall be awarded first division.

6.3(c) A Candidate obtaining 45% or more but less than 65% marks shall be awarded second division.

6.3(d) A Candidate obtaining less than 45% shall be awarded pass.

6.3(e) No candidate shall be declared to have passed the final B.E. unless he/she has fully passed all the previous examinations of the eight semesters. The results of the eighth and final semester of those candidates who have not passed examination of any previous semester will be withheld. They, however, will be informed about the deficiency. He/she shall be deemed to have passed the final B.E. examination in the year in which he/she passes all the examinations of all eight semester and earns 260 credits.

## 7.0 **MERIT LISTS**

7.1 Merit list of first 10 candidates in the order of merit shall be declared at the end of each semester in each branch from amongst the candidates who have passed in one attempt.

7.2 Branch wise final merit list shall be declared by the University only after the main examination of the eighth and final semester for B.E. degree, on the basis of the integrated performance of all the four years. The merit list shall include the first ten candidates securing at least First Division and passing all semesters in single attempts.

## 8.0 **CONDONATION OF DEFICIENCY IN MARKS**

8.1 With a view to moderate hard line cases in the examination, the following rules shall be observed:

\*\*\* 8.1.1 Deficiency up to 5 marks be condoned to the best advantage of the candidate for passing the examination, provided the candidate fails in maximum of two theory, or one theory and one practical or two practicals.

8.1.2 While declaring result of the candidate no marks shall be added to or subtracted from the aggregate for the deficiency condoned as above. However, he/she will pass the

subjects cleared through clause 8.1.1. After condoning the deficiency the candidate's result shall be declared in the division which the aggregate entitles him/her.

- 8.2 One grace mark will be given to the candidate who is failing/missing distinction/missing first division by one mark, on behalf of the Vice-Chancellor in the B.E. examination. This benefit will not, however, be available to a candidate getting advantage under clause 8.1.1.

## **9.0 ATTENDANCE**

- 9.1 Candidates appearing as regular students for any semester examination are required to attend 75 percent of the lectures delivered and of the practical classes held separately in each subject of the course of study, provided that a short fall in attendance upto 10% and a further 5% can be condoned by the principal of the college and Vice-Chancellor of the University respectively for satisfactory reasons.

- 10.0** If a candidate has passed a semester examination in full he/she shall not be permitted to reappear in that examination for improvement in division/marks or any other purpose.

\* *The amendment was approved by Hon'ble Chancellor's letter no 364 dated 27<sup>th</sup> March 2003.*  
\*\* *Approval accorded on single file system on dated 06.09.2004 by Hon'ble Chancellor's office.*  
\*\*\* *(Approval accorded by H'ble Kuladhipati on Single file system on dated 30/9/04)*  
\*\*\*\* *Approval accorded on single file system on dated 06.10.2005 by Hon'ble Chancellor's office.*  
\*\*\*\*\* *Approval accorded on single file system on dated 02.01.2008 by Hon'ble Chancellor's office.*  
\*\*\*\*\* *Approval accorded on single file system on dated 25.11..2008 by Hon'ble Chancellor's office.*  
\*\*\*\*\* *Approval accorded on single file system on dated 14.09.09 by Hon'ble Chancellor's office.*  
\*\*\*\*\* *Approval accorded on single file system on dated 17.11.09 by Hon'ble Chancellor's office.*