

AGNEL TECHNICAL COLLEGE (POLYTECHNIC)
BANDRA (W), MUMBAI -50
DIPLOMA IN PRODUCTION ENGINEERING
RULES OF EXAMINATION (w .e. f. Nov/Dec 2007)

RULE NO. E1:

1. A candidate to be eligible for admission to the First Semester of the Diploma Course in Production Engineering shall have passed the qualifying examination or an equivalent examination as prescribed for admission to the course and fulfilled other conditions as prescribed for admission to the course, by the Directorate of Technical Education or Government of Maharashtra or Competent Admission Authority or the Board.

RULE NO. E2:

- a) A candidate to be eligible for award of Diploma is required to acquire 272 credits
- b) The teaching and examination scheme for the Diploma Course shall be as per the Syllabus and the Examination Scheme prescribed by Agnel Technical College (Polytechnic) from time to time.
- c) Examination in various subjects may include:
 1. Theory including the Class Tests.
 2. Practicals
 3. Term Work (Internal + External)
 4. Oral
 5. Project & SeminarEach of the above will constitute a separate head of passing as prescribed.

TERM WORK / PRACTICALS:

RULE NO. E3 :

Where Term Work is prescribed for a subject, each candidate must satisfactorily complete, within the walls of Agnel Technical College (Polytechnic), a set of Laboratory Experiments/ Drawing Sheets/ Design Report/ Practical Jobs as required for the subject. Journals containing the records of Laboratory Work/Drawing Sheets/Design Reports/Practical Jobs, Solutions to Assignments shall be counted as Term Work.

RULE NO. E4:

In respect of Term Work, a target date shall be fixed for the completion of individual Sheets of Drawings, Designs, Jobs, Laboratory Journals, Projects, etc., duly completed as prescribed and the Term-Work/ Project Work shall be collected on that date and submitted for assessment to the examiners. The Term work of the candidate who has kept the term but failed to pay examination fees shall be preserved by the Principal and presented for examination when he next appears. The period of such preservation of Term Work/s shall not be more than one academic year in the case of all semesters.

RULE NO. E5 :

Term Work and performance of Practical / Oral examination shall be assessed on the basis of the depth of understanding of Principles involved and not on the basis of mere collection of results, presentation, orientation, which is not expected and will not be given credit.

RULE NO. E6:

- a) When Practical/ Oral / Project / Term Work in any subject is assessed, the marks will be carried over to subsequent examination, unless the candidate has failed to secure passing marks, in which case the candidate will be permitted to appear at a subsequent examination without joining the college again for the purpose, except in the case of failure in term-work when he will be required to join the College for another term and put in fresh Term Work.
- b) Marks obtained in the Class Tests will also be similarly carried over to the subsequent examination.
- c) A candidate whose marks are carried over shall be eligible for award of Class.

RULE NO. E7:

No candidate shall be admitted to any Course (Subject) Examination unless he keeps terms for that Semester and is certified by the Principal that he/she has:

- (a) Put in satisfactory attendance of at least 75% of the total lectures/ periods in Theory, Practicals, Tutorials, in every Course (Subject).
- (b) Completed the Laboratory Practicals, Term Work, prescribed for the Course (Subject) to the satisfactory of the Principal.
- (c) Satisfactory progress in studies and has good conduct and character.

RULE NO. E8:

In case the attendance falls short by not more than 10% due to illness (certified by a Registered Medical Practitioner) or for any other reasons considered valid, the Principal may condone such deficiency and permit the candidate to appear for examination if the candidate is otherwise eligible.

RULE NO. E9:

A candidate who is disallowed from appearing at any course examination for not fulfilling conditions specified under 7(a) or (b) or (c) shall be permitted to appear for that examination provided he fulfills all conditions afresh.

RULE NO. E10:

A candidate who fulfills the conditions of a Course (Subject) prescribed under Rule No.E7 but does not appear at the examination may appear at a subsequent examination as an ex-student. In such case, the Term Work put in shall be preserved by the Institution and presented for examination when such a candidate appears for the examinations. However, such Term Work shall not be preserved beyond **one year**.

APPLICATION FOR ADMISSION TO EXAMINATION:

RULE NO. E11:

A candidate intending to appear for a Semester Examination shall be required to fill in an Application for Admission to the Examination in the prescribed form and submit the same along with the fee prescribed from time to time to the Principal on or before the due date notified. The Principal in addition to the regular fee will accept the Application with prescribed fine for Late Fee within the prescribed

time. An Application, which is not complete in all respects and is not accompanied by the prescribed fees, is liable to be rejected by the Principal.

RULE NO. E12:

Notwithstanding the submission of an Application, payment of examination fee and allotment of Examination Seat Number, the Principal shall be the Competent Authority to cancel the admission to Examination of a candidate who fails to fulfill any of the relevant conditions prescribed for eligibility to appear for the examination.

UNIT TESTS
RULE NO. E13:

- a) Normally, 3 Unit Tests will be conducted, each of 20 Test Marks for a subject as prescribed. The average of the best combination of any two Unit Tests Marks shall be considered for computing marks obtained out of 20.
- b) If a candidate appears for only one Unit Test and remains absent for the remaining two Unit Tests prescribed, candidate's Unit Test Marks will be calculated on the basis of Rule No E-13 (a) considering the marks of the Unit Test in which candidate remains absent as zero.
- c) A candidate who has failed or did not appear, though eligible, in any of the Course (Subject) Examinations will be allowed to improve, if he/ she so desires, his/ her performance in the Unit Tests, provided he/ she joins the Course (Subject) by applying for the admission on payment of the prescribed tuition fees. Such a candidate shall be considered as a *Casual Student*. He/She will be allowed to attend the lectures and re-appear for the regular Unit Tests in the Course (Subject) in which he/ she has failed but shall not be allowed to attend Practicals. The revised marks obtained by the candidate shall be taken into account for the purpose of results and the Unit Tests marks obtained by the candidate previously will be treated as null and void.
- d) For Courses (Subjects) offered for First Semester, there shall be two (2) Written Test and an Oral Test, if admission process is delayed due to delay from the Department of Technical Education, Maharashtra State.

STANDARD OF PASSING AND AWARD OF CLASS:

RULE NO. E14:

"To pass an Examination of Course (Subject) a candidate must obtain a minimum of 35% of the maximum marks prescribed for Theory Paper (excluding Unit Test) and 40% of the full marks separately in each Theory Paper (Including Test), Practical, Oral, Term Work, Sessional Work, etc. While deciding the minimum marks required for passing fractions of marks shall be omitted. The Theory,

Practical, Oral, Term Work, shall be considered as separate heads of passing."

RULE NO. E15:

- a) Under M P E & C S the, Class is awarded on 100% of the marks obtained in the following Courses (Subjects) only -

Sr. no.	Code No.	Course Name
1	7601	Tool Engineering.
2	7602	Manufacturing Processes - I
3	7603	Production Mgmt
4	7604	Industrial Mgmt & Entrepreneurship
5	7605 / 7606	Press Tool Die Design (Elective-I) / Plastic Die Design (Elective-I)
6	7700	Metrology & Inspection
7	7701	CAD/ CAM
8	7702	Mechatronics
9	7703	Manufacturing Processes - II
10	7704	Industrial Engineering. & Quality Mgmt
11	7705	Elements of Costing & Finance
12	7606/ 7607	Process Planning & Tool Design(Elective-II) / Advanced Mathematics (Elective-II)
13	7500	Inplant Training Phase- I
14	7800	In plant Training Phase - II

- b) A candidate will be declared to have passed Diploma Course in First Class with Distinction if he/she obtains 75% or more of the aggregate marks in above Courses (Subjects).
- c) A candidate will be declared to have passed Diploma Course in First Class if he/she obtains 60% or more of the aggregate marks in above Courses (Subjects).

d) A candidate will be declared to have passed Diploma Course In Second Class if he/she obtains 50% or more of the aggregate marks in above Courses (Subjects).

e) If a candidate falls short of maximum ½ % (0.50%) of the aggregate marks assigned to the examination to obtain 75% (for First Class with Distinction) or 60% marks (for a First Class), or 50% (for Second Class), such deficiency will be made up by adding a maximum of 0.50% marks assigned to the examination to the total marks obtained by the candidate in the examination

RULES FOR GRACE MARKS FOR THE COURSE (SUBJECT)
RULE NO. E16

a) A candidate falling short of 1 or 2 marks in a Theory Paper of maximum 80 marks and / or in the aggregate of Theory and Class Tests of a subject carrying maximum of 100 marks, will be graced to that extent, provided it enables him/her to secure 40 marks out of 100 in the aggregate of the subject required for passing.

b) A candidate who fails in Practical and/ or Oral Examination but passes in Theory paper will have the option to re-appear only for Practical and/or oral Examination of that subject at the next Examination. Since the M P E & C S Result is based on subject passing, there will be no condonation in group of subjects.

RESULT OF EXAMINATIONS :
RULE NO. E17 :

As soon as is practicable, after conclusion of an Examination, the Principal shall declare the result of the Examination.

RULES FOR KEEPING TERM FOR HIGHER SEMESTER
RULE NO. E18:

The courses offered are classified into levels as shown below

LEVEL I

Sr no	Code No	Course Name	Sr no	Code No.	Course Name
1	7101	Communication Skills	1	7201	Electrical Engg.
2	7102	Engg. Mathematics - I	2	7202	Engg. Mathematics - II
3	7103	Engg. Science - I	3	7203	Engg. Science - II
4	7104	Engg. Drawing - I	4	7204	Engg. Drawing - II
5	7105	M/C Tools - I	5	7205	M/C Tools - II
6	7106	Workshop Practice - I	6	7206	Workshop Practice - II
7	7107	Professional Practice- I	7	7207	Professional Practice- II

LEVEL II

Sr. no	Code No	Course Name	Sr. no	Code No.	Course Name
	7300	Mechanical Engg.	1	7400	Engg. Materials
	7301	Electronics Engg.	2	7401	Computer Programming
	7302	Engg. Mathematics -III	3	7402	Engg. Mathematics -IV
	7303	Applied Mechanics	4	7403	Strength of Materials
	7304	Computer Aided Drafting	5	7404	Theory of Machines
	7305	M/C Tools - III	6	7405	CNC M/C Tools
	7306	Workshop Practice - III	7	7406	Workshop Practice - IV
	7307	Professional Practice - III	8	7500	Inplant Training Phase- I
			9	7407	Professional Practice - IV

LEVEL III

no	Code No.	Course Name
	7600	Machine Design
	7601	Tool Engg.
	7602	Manufacturing Processes - I
	7603	Production Mgmt
	7604	Industrial Mgmt & Entrepreneurship
	7605 / .	Press Tool Die Design (Elective-I) /
	7606	Plastic Die Design (Elective-I)
	7607	Professional Practice -VI

LEVEL IV

no	Code No.	Course Name
	7700	Metrology & Inspection
	7701	CAD/ CAM
	7702	Mechatronics
	7703	Manufacturing Processes - II
	7704	Industrial Engg & Quality Mgmt
	7705	Elements of Costing & Finance
	7706/7707	Process Planning & Tool Design(Elective-II) / Advanced Mathematics (Elective-II)
	7708	Professional Practice -VII
	7800	In plant Training Phase - II

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2. Courses from more than one level are offered for Registration, subject to the Rules of Registration, prerequisite attached to the Courses & availability of facilities for the Course.
3. A student is eligible to Register for Level II Courses provided he/she has not failed in more than 6 Courses of Level I
4. A student is eligible to Register for Level III Courses provided he/she has passed all Courses of Level I and not failed in more than 6 Courses of Level II.
5. A student is eligible to register for Level IV Courses provided he/she has passed all courses of Level I and Level II and not failed in more than 6 Courses of Level III.

E18 (c)

A student eligible for exemption in any course is considered to have passed in that course and he/she can register for the courses of more than one level, subject to rules of registration, prerequisites attached to the courses are fulfilled and availability of facilities for the course.

E18 (d)

Student joining the Polytechnic will have to pass the final Diploma Examination within 8 years of joining failing which he/she will have to discontinue from the Agnel Technical College (Polytechnic).

E18 (e)

A student leaving the Polytechnic in between will not have any claim for continuation of studies if there is a break of three years or more.

VERIFICATION OF MARKS

RULE NO. E19 :

- a) Any candidate who has appeared in the Examination may on the declaration of the result of that Examination apply to the Principal for verification of marks in any particular subject. The verification will be restricted to checking whether all the answer have been assessed and that there has been no mistake in the totaling of marks for each question / sub-question in that paper and thereto the marks have been correctly transferred to the first cover page of the answer books and that all supplements mentioned thereon by the candidate are intact.
- b) Such application must be submitted by the candidate in the prescribed form to the Principal within 7 days from the date of declaration of the Examination results and must be accompanied by a fee of Rs.150/- for each subject head of passing or fees as may be specified from time to time.

- c) The Principal of Agnel Technical College (Polytechnic) will on receipt of such application for verification of marks in theory paper, arrange to examine the answer papers so as to see whether all the questions attempted by the candidate in those answer papers have been assessed by the examiner and whether the marks as transcribed to the mark sheets and finally to the result sheets are corrected.
- d) If, as a result of the verification made under this Regulation, it is found that there has been either an omission to examine and to assign marks to any answer or answers or a mistake in the totaling of the marks, the mistake shall be corrected. If, as a result of this correction, the candidate's result, as already declared, is altered in any way, he shall be informed of this correct result.

ISSUE OF STATEMENT OF MARKS

RULE NO. E20:

A candidate appearing for an Examination may offer the declaration of result obtain a certified statement of marks secured by him/ her at the examination. Marks secured by a candidate in individual questions or section of a paper will not be supplied.

REVERSAL OF RESULTS

RULE NO. E21:

In any case, where the result of an examination is declared and it is found that such result has been affected by any error (except those covered under Malpractice, Fraud, Or Improper Conduct), such cases shall be placed before the "Examination committee", for scrutiny. The Principal, as per the decision of the examination Committee," shall have the power to amend such result in such manner as shall be in accordance with the true position. No result shall, however, be amended after six months from the date of declaration of result or after the commencement of the next examination at the same level, whichever is earlier.

RULE NO. E22:

In any case, where the result of an examination has been declared and it is found that such result has been affected by malpractice, fraud or any other improper conduct whereby a candidate has benefited and such candidate has, in the opinion of the Principal, been part or privy to such malpractice, fraud or improper conduct or has connived at, such cases shall be placed before the Examination Committee for scrutiny. The Principal, as per the decision of the Examination Committee, shall have the power at any time notwithstanding the issue of a Certificate of passing and/or statement

of marks, to amend the result of such candidate and make such declaration as he shall consider necessary in their behalf.

PENALTY FOR ACTS OF MISCONDUCT OF THE CANDIDATE

RULE NO. E23:

If, before, during or after the examination, it is found that a candidate is or has been guilty of misbehavior or misconduct including breach of any of the rules laid down for the proper conduct of examination, or has been found to have copied or attempted to copy, or used or attempted to use unfair means at the examination and if the misconduct is detected during the examination, he/she shall not be expelled from the examination but provisionally permitted to continue with the same paper and also permitted to appear for the remaining/full examination by the Officer-In-Charge of the examination, but supplying fresh books after obtaining an undertaking in writing from him/her in the form of undertaking prescribed.

The Officer-In-Charge and the Supervisor shall then make a full written report/ statement to the Principal who will forward it to the Controller of Examinations as Member-Secretary of the Examination Committee. The matter will be thoroughly investigated by the Malpractice Committee and their report shall be placed before the Examination Committee. The decision of the Examination Committee will be final.

The candidate whose result is thus canceled and who is further excluded from the examination for a specified period shall be eligible to re-appear as an ex-student after the expiry of the period for which he is debarred if he/ she is otherwise eligible.

RULE NO. E24:

REGISTRATION OF COURSES BY A STUDENT :

A student can register for a maximum of 12 Courses, but the selection of courses will depend upon the courses offered by the Agnel Technical College (Polytechnic) during the Semester.

In case of students who are successful in acquiring credits only in respect of some of the subjects for which they have registered during a term, the following rule shall apply in respect of courses for which they can register in the subsequent terms:

In respect of the course for which the student has kept the term but has not been successful in the Theory / Practical Examination, the student can appear in the Theory / Practical Examination only. This will be known as re-registration in the subsequent term, or the

student can register afresh for the same course and repeat the same as a regular student, subject to the availability of seat in the Polytechnic for the course. In this case he/ she shall have to again complete all the requirements of attendance, Term Work etc., for the course. The total number of courses (including re-registration subjects) in which a student can appear at a time in any kind of end of the term exam in any term cannot be more than 12 (twelve) courses.

RULE NO. E25:

EXEMPTION OF SUBJECTS FOR DIFFERENT ENTRY LEVELS FOR D.P.E

1. Students who have passed the I.T:I / MCVC (min 60 %)/XIIth (Technical & Vocational) courses shall claim exemptions as follows:

Engg. Science - I	Engg. Science - II
Engg. Drawing - I	Engg. Drawing - II
M/C Tools - I	M/C Tools - II
Workshop Practice - I	Workshop Practice - II

2. Students who have passed XIIth (Science) Examinations shall claim exemption at their options in the following subjects provided they have secured at least 40% marks at the equivalent examination in the subject in which the exemption is claimed.

Engg. Science - I	Engg. Science - II
Engg. Mathematics - I	Engg. Mathematics - II
Communication Skills	

In other cases, the Principal is authorized to study the Syllabus, and propose exemptions in subjects on merits, which should be ratified by the Committee from time to time by convening a Meeting or, by Circulation.

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