

ORDINANCE NO. V (121-A)

DOCTOR OF PHARMACY

(PHARM. D.)

[AS PER PCI]

PASSED IN: 29th ACADEMIC COUNCIL MEETING

DATE: 31/07/2021

**AGENDA NO. : 29 (27) EFFECTIVE FROM SESSION
2021-2022**





भारत का राजपत्र The Gazette of India

साप्ताहिक/WEEKLY

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No. 19] NEW DELHI, SATURDAY, MAY 10—MAY 16, 2008 (VAISAKHA 20, 1930)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 4

[PART III—SECTION 4]

[सांविधिक निकायों द्वारा जारी की गई विविध अधिसूचनाएं जिसमें कि आदेश, विज्ञापन और सूचनाएं सम्मिलित हैं]
[Miscellaneous Notifications including Notifications, Orders, Advertisements and Notices issued by
Statutory Bodies]

भारतीय रिज़र्व बैंक

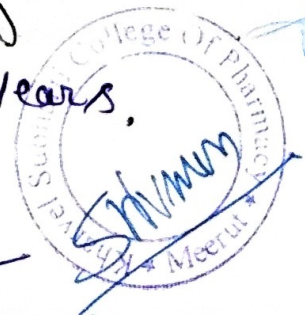
मुंबई-400001, दिनांक 9 अप्रैल 2008

संदर्भ : बैंपविवि. सं. आईबीडी.-14241/23.13.048/2007-08-- भारतीय रिज़र्व बैंक अधिनियम,
1934 (1934 का 2) की धारा 42 की उप-धारा (6) के खण्ड (ग) के अनुसरण में भारतीय रिज़र्व बैंक
इसके द्वारा निदेश देता है कि उक्त अधिनियम की दूसरी अनुसूची में निम्नलिखित परिवर्तन किये जाएं :--

“अरब बांग्लादेश बैंक लिमिटेड” शब्दों के स्थान पर “एबी बैंक लिमिटेड” शब्द होंगे।

आनन्द सिन्हा
कार्यपालक निदेशक

ORDINANCE → (V-24A) 06 Years.



[PUBLISHED IN THE GAZETTE OF INDIA, No.19, PART III, SECTION 4]

Ministry of Health and Family Welfare
(Pharmacy Council of India)

New Delhi, 10th May, 2008.

Pharm.D. Regulations 2008

Regulations framed under section 10 of the Pharmacy Act, 1948 (8 of 1948).

(As approved by the Government of India, Ministry of Health vide, letter No.V.13013/1/2007-PMS, dated the 13th March, 2008 and notified by the Pharmacy Council of India).

No.14-126/2007-PCI.— In exercise of the powers conferred by section 10 of the Pharmacy Act, 1948 (8 of 1948), the Pharmacy Council of India, with the approval of the Central Government, hereby makes the following regulations, namely:-

CHAPTER-I

1. Short title and commencement. – (1) These regulations may be called the Pharm.D. Regulations 2008.
(2) They shall come into force from the date of their publication in the official Gazette.
2. Pharm.D. shall consist of a certificate, having passed the course of study and examination as prescribed in these regulations, for the purpose of registration as a pharmacist to practice the profession under the Pharmacy Act, 1948.



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CHAPTER-II

3. Duration of the course. –

- a) Pharm.D: The duration of the course shall be six academic years (five years of study and one year of internship or residency) full time with each academic year spread over a period of not less than two hundred working days. The period of six years duration is divided into two phases –

Phase I – consisting of First, Second, Third, Fourth and Fifth academic year.

Phase II – consisting of internship or residency training during sixth year involving posting in speciality units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services and acquires skill under supervision so that he or she may become capable of functioning independently.

- b) Pharm.D. (Post Baccalaureate): The duration of the course shall be for three academic years (two years of study and one year internship or residency) full time with each academic year spread over a period of not less than two hundred working days. The period of three years duration is divided into two phases –

Phase I – consisting of First and Second academic year.

Phase II – consisting of Internship or residency training during third year involving posting in speciality units. It is a phase of training wherein a student is exposed to actual pharmacy practice or clinical pharmacy services, and acquires skill under supervision so that he or she may become capable of functioning independently.

4. Minimum qualification for admission to. –

- a) Pharm.D. Part-I Course – A pass in any of the following examinations –

(1) 10+2 examination with Physics and Chemistry as compulsory subjects along with one of the following subjects:

Mathematics or Biology.

(2) A pass in D.Pharm course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.

(3) Any other qualification approved by the Pharmacy Council of India as equivalent to any of the above examinations.

Provided that a student should complete the age of 17 years on or before 31st December of the year of admission to the course.

Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.



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b) Pharm.D. (Post Baccalaureate) Course -

A pass in B.Pharm from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act:

Provided that there shall be reservation of seats for the students belonging to the Scheduled Castes, Scheduled Tribes and other Backward Classes in accordance with the instructions issued by the Central Government/State Government/Union Territory Administration as the case may be from time to time.

5. Number of admissions in the above said programmes shall be as prescribed by the Pharmacy Council of India from time to time and presently be restricted as below –
 - i) Pharm.D. Programme – 30 students.
 - ii) Pharm.D. (Post Baccalaureate) Programme – 10 students.
6. Institutions running B.Pharm programme approved under section 12 of the Pharmacy Act, will only be permitted to run Pharm.D. programme. Pharm.D. (Post Baccalaureate) programme will be permitted only in those institutions which are permitted to run Pharm.D. programme.
7. Course of study. – The course of study for Pharm.D. shall include the subjects as given in the Tables below. The number of hours in a week, devoted to each subject for its teaching in theory, practical and tutorial shall not be less than that noted against it in columns (3), (4) and (5) below.

TABLES

First Year :

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
1	2	3	4	5
1.1	Human Anatomy and Physiology	3	3	1
1.2	Pharmaceutics	2	3	1
1.3	Medicinal Biochemistry	3	3	1
1.4	Pharmaceutical Organic Chemistry	3	3	1
1.5	Pharmaceutical Inorganic Chemistry	2	3	1
1.6	Remedial Mathematics/ *Biology	3	3*	1
1.7	**English Communication	2	2	-
	Total hours	18	20	7 = (41/44*)

* For Biology

** Ability Enhancement Compulsory Course (Qualifying Subject)

The image shows several handwritten signatures in blue ink. To the right is a circular official stamp of Khariel Subharti College of Pharmacy, Meerut. The stamp contains the college's name and a central emblem. A signature is written across the stamp.

Second Year:

S.No	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
2.1	Pathophysiology	3	-	1
2.2	Pharmaceutical Microbiology	3	3	1
2.3	Pharmacognosy & Phytopharmaceuticals	3	3	1
2.4	Pharmacology-I	3	-	1
2.5	Community Pharmacy	2	-	1
2.6	Pharmacotherapeutics-I	3	3	1
2.7	**Environmental Science	2	-	-
	Total Hours	19	09	7 = 34

**Ability Enhancement Compulsory Course (Qualifying Subject)

Third Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
3.1	Pharmacology-II	3	3	1
3.2	Pharmaceutical Analysis	3	3	1
3.3	Pharmacotherapeutics-II	3	3	1
3.4	Pharmaceutical Jurisprudence	2	-	-
3.5	Medicinal Chemistry	3	3	1
3.6	Pharmaceutical Formulations	2	3	1
3.7	**Human Values and Professional Ethics	3	-	-
	Total hours	18	15	7 = 39

**Ability Enhancement Compulsory Course (Qualifying Subject)

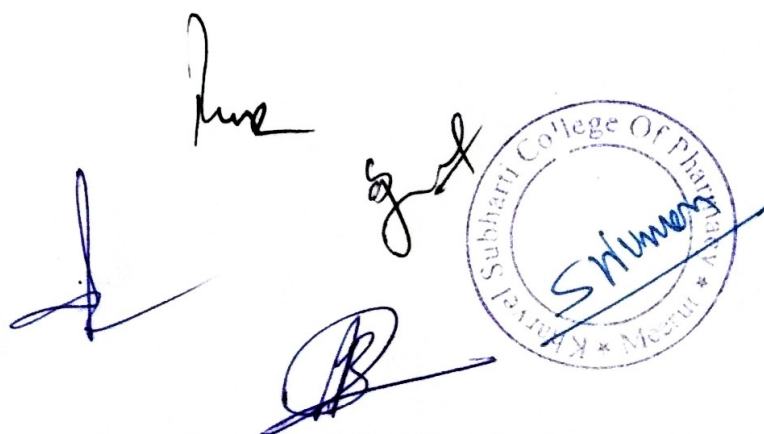
Fourth Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Practical/ Hospital Posting	No. of hours of Tutorial
(1)	(2)	(3)	(4)	(5)
4.1	Pharmacotherapeutics-III	3	3	1
4.2	Hospital Pharmacy	2	3	1
4.3	Clinical Pharmacy	3	3	1
4.4	Biostatistics & Research Methodology	2	-	1
4.5	Biopharmaceutics & Pharmacokinetics	3	3	1
4.6	Clinical Toxicology	2	-	1
	Total hours	15	12	6 = 33

Fifth Year:

S.No.	Name of Subject	No. of hours of Theory	No. of hours of Hospital posting*	No. of hours of Seminar
(1)	(2)	(3)	(4)	(5)
5.1	Clinical Research	3	-	1
5.2	Pharmacoepidemiology and Pharmacoeconomics	3	-	1
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic Drug Monitoring	2	-	1
5.4	Clerkship *	-	-	1
5.5	Project work (Six Months)	-	20	-
	Total hours	8	20	4 = 32

* Attending ward rounds on daily basis.



Sixth Year:

Internship or residency training including postings in speciality units. Student should independently provide the clinical pharmacy services to the allotted wards.

- (i) Six months in General Medicine department, and
- (ii) Two months each in three other speciality departments

8. Syllabus. – The syllabus for each subject of study in the said Tables shall be as specified in Appendix -A to these regulations.
9. Approval of the authority conducting the course of study. – (1) No person, institution, society or university shall start and conduct Pharm.D or Pharm.D. (Post Baccalaureate) programme without the prior approval of the Pharmacy Council of India.
- (2) Any person or pharmacy college for the purpose of obtaining permission under sub-section (1) of section 12 of the Pharmacy Act, shall submit a scheme as prescribed by the Pharmacy Council of India.
- (3) The scheme referred to in sub-regulation (2) above, shall be in such form and contain such particulars and be preferred in such manner and be accompanied with such fee as may be prescribed:
- Provided that the Pharmacy Council of India shall not approve any institution under these regulations unless it provides adequate arrangements for teaching in regard to building, accommodation, labs., equipments, teaching staff, non- teaching staff, etc., as specified in Appendix-B to these regulations.
10. Examination. – (1) Every year there shall be an examination to examine the students.
- (2) Each examination may be held twice every year. The first examination in a year shall be the annual examination and the second examination shall be supplementary examination.
- (3) The examinations shall be of written and practical (including oral nature) carrying maximum marks for each part of a subject as indicated in Tables below :

TABLES**First Year examination :**

S.No.	Name of Subject	Sub.Code	Maximum marks for Theory			Sub.code	Maximum marks for Practicals		
			Examination	Sessional	Total		Examination	Sessional	Total
1.1	Human Anatomy and Physiology	Pharm.D101	70	30	100	Pharm.D101P	70	30	100
1.2	Pharmaceutics	Pharm.D102	70	30	100	Pharm.D102P	70	30	100
1.3	Medicinal Biochemistry	Pharm.D103	70	30	100	Pharm.D103P	70	30	100
1.4	Pharmaceutical Organic Chemistry	Pharm.D104	70	30	100	Pharm.D104P	70	30	100
1.5	Pharmaceutical Inorganic Chemistry	Pharm.D105	70	30	100	Pharm.D105P	70	30	100
1.6	Remedial Mathematics/Biology	Pharm.DM106/ Pharm.DB106	70	30	100	Pharm.DB106P	70*	30*	100*
1.7	**English Communication	AEC-01	35	15	50	AEC-01P	35	15	50
					650				550/650* = 1200/1300*

* for Biology.

**Ability Enhancement Compulsory Course (Qualifying Subject).

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Second Year examination :

S.No.	Name of Subject	Subject Code	Maximum marks for Theory			Subject Code	Maximum marks for Practicals		
			Examination	Sessional	Total		Examination	Sessional	Total
2.1	Pathophysiology	Pharm.D201	70	30	100	-	-	-	-
2.2	Pharmaceutical Microbiology	Pharm.D202	70	30	100	Pharm.D202P	70	30	100
2.3	Pharmacognosy & Phytopharmaceuticals	Pharm.D203	70	30	100	Pharm.D203P	70	30	100
2.4	Pharmacology-I	Pharm.D204	70	30	100	-	-	-	-
2.5	Community Pharmacy	Pharm.D205	70	30	100	-	-	-	-
2.6	Pharmacotherapeutics-I	Pharm.D206	70	30	100	Pharm.D206P	70	30	100
2.7	** Environmental Science	AEC-02	35	15	50	-	-	-	-
					600				300 = 900

****Ability Enhancement Compulsory Course (Qualifying Subject).**

Third Year examination :

S.No.	Name of Subject	Subject Code	Maximum marks for Theory			Subject Code	Maximum marks for Practicals		
			Examination	Sessional	Total		Examination	Sessional	Total
3.1	Pharmacology-II	Pharm.D301	70	30	100	Pharm.D301P	70	30	100
3.2	Pharmaceutical Analysis	Pharm.D302	70	30	100	Pharm.D302P	70	30	100
3.3	Pharmacotherapeutics-II	Pharm.D303	70	30	100	Pharm.D303P	70	30	100
3.4	Pharmaceutical Jurisprudence	Pharm.D304	70	30	100	--	-	-	-
3.5	Medicinal Chemistry	Pharm.D305	70	30	100	Pharm.D305P	70	30	100
3.6	Pharmaceutical Formulations	Pharm.D306	70	30	100	Pharm.D306P	70	30	100
3.7	** Human Values and Professional Ethics	HVE-01	70	30	100	-	-	-	-
					700				500 = 1100

****Ability Enhancement Compulsory Course (Qualifying Subject).**

Fourth Year examination :

S.No.	Name of Subject	Subject Code	Maximum marks for Theory			Subject Code	Maximum marks for Practicals		
			Examination	Sessional	Total		Examination	Sessional	Total
4.1	Pharmacotherapeutics-III	Pharm.D401	70	30	100	Pharm.D401P	70	30	100
4.2	Hospital Pharmacy	Pharm.D402	70	30	100	Pharm.D402P	70	30	100
4.3	Clinical Pharmacy	Pharm.D403	70	30	100	Pharm.D403P	70	30	100
4.4	Biostatistics & Research Methodology	Pharm.D404	70	30	100	-	-	-	-
4.5	Biopharmaceutics & Pharmacokinetics	Pharm.D405	70	30	100	Pharm.D405P	70	30	100
4.6	Clinical Toxicology	Pharm.D406	70	30	100	-	-	-	-
					600				400 = 1000

Handwritten signatures and a circular stamp of K. J. Somaiya Institute of Pharmacy, Vashi, Mumbai. The stamp includes the text "K. J. Somaiya Institute of Pharmacy" and "Vashi, Mumbai".

Fifth Year examination :

S.No.	Name of Subject	Subject Code	Maximum marks for Theory			Subject Code	Maximum marks for Practicals		
			Examination	Sessional	Total		Examination	Sessional	Total
5.1	Clinical Research	Pharm.D501	70	30	100	-	-	-	
5.2	Pharmacoepidemiology and Pharmacoeconomics	Pharm.D502	70	30	100	-	-	-	
5.3	Clinical Pharmacokinetics & Pharmacotherapeutic DrugMonitoring	Pharm.D503	70	30	100	-	-	-	
5.4	Clerkship *	-	-	-	-	Pharm.D504P	70	30	100
5.5	Project work (Six Months)	-	-	-	-	Pharm.D505P	100**	-	100
					300				200 = 500

14. Minimum marks for passing examination.— A student shall not be declared to have passed examination unless he or she secures at least 50% marks in each of the subjects separately in the theory examinations, including sessional marks and at least 50% marks in each of the practical examinations including sessional marks. The students securing 60% marks or above in aggregate in all subjects in a single attempt at the Pharm.D. or as the case may be, Pharm. D. (Post Baccalaureate) course examination shall be declared to have passed in first class. Students securing 75% marks or above in any subject or subjects shall be declared to have passed with distinction in the subject or those subjects provided he or she passes in all the subjects in a single attempt.
15. Eligibility for promotion to next year.— All students who have appeared for all the subjects and passed the first year annual examination are eligible for promotion to the second year and, so on. However, failure in more than two subjects shall debar him or her from promotion to the next year classes.
16. Internship.— (1) Internship is a phase of training wherein a student is expected to conduct actual practice of pharmacy and health care and acquires skills under the supervision so that he or she may become capable of functioning independently.
- (2) Every student has to undergo one year internship as per Appendix-C to these regulations.
17. Approval of examinations.— Examinations mentioned in regulations 10 to 12 and 14 shall be held by the examining authority hereinafter referred to as the university, which shall be approved by the Pharmacy Council of India under sub-section (2) of section 12 of the Pharmacy Act, 1948. Such approval shall be granted only if the examining authority concerned fulfills the conditions as specified in Appendix-D to these regulations.
18. Certificate of passing examination.— Every student who has passed the examinations for the Pharm.D. (Doctor of Pharmacy) or Pharm.D. (Post Baccalaureate) (Doctor of Pharmacy) as the case may be, shall be granted a certificate by the examining authority.



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CHAPTER-III

Practical training

19. Hospital posting.— Every student shall be posted in constituent hospital for a period of not less than fifty hours to be covered in not less than 200 working days in each of second, third & fourth year course. Each student shall submit report duly certified by the preceptor and duly attested by the Head of the Department or Institution as prescribed. In the fifth year, every student shall spend half a day in the morning hours attending ward rounds on daily basis as a part of clerkship. Theory teaching may be scheduled in the afternoon.
20. Project work.— (1) To allow the student to develop data collection and reporting skills in the area of community, hospital and clinical pharmacy, a project work shall be carried out under the supervision of a teacher. The project topic must be approved by the Head of the Department or Head of the Institution. The same shall be announced to students within one month of commencement of the fifth year classes. Project work shall be presented in a written report and as a seminar at the end of the year. External and the internal examiners shall do the assessment of the project work.
- (2) Project work shall comprise of objectives of the work, methodology, results, discussions and conclusions.
21. Objectives of project work.— The main objectives of the project work is to—
- (i) show the evidence of having made accurate description of published work of others and of having recorded the findings in an impartial manner; and
 - (ii) develop the students in data collection, analysis and reporting and interpretation skills.
22. Methodology.— To complete the project work following methodology shall be adopted, namely:—
- (i) students shall work in groups of not less than *two* and not more than *four* under an authorised teacher;
 - (ii) project topic shall be approved by the Head of the Department or Head of the Institution;
 - (iii) project work chosen shall be related to the pharmacy practice in community, hospital and clinical setup. It shall be patient and treatment (Medicine) oriented, like drug utilisation reviews, pharmacoepidemiology, pharmacovigilance or pharmacoconomics;
 - (iv) project work shall be approved by the institutional ethics committee;
 - (v) student shall present at least three seminars, one in the beginning, one at middle and one at the end of the project work; and
 - (vi) two-page write-up of the project indicating title, objectives, methodology anticipated benefits and references shall be submitted to the Head of the Department or Head of the Institution.



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23. Reporting .— (1) Student working on the project shall submit jointly to the Head of the Department or Head of the Institution a project report of about 40-50 pages. Project report should include a certificate issued by the authorised teacher, Head of the Department as well as by the Head of the Institution

(2) Project report shall be computer typed in double space using Times Roman font on A4 paper. The title shall be in bold with font size 18, sub-titles in bold with font size 14 and the text with font size 12. The cover page of the project report shall contain details about the name of the student and the name of the authorised teacher with font size 14.

(3) Submission of the project report shall be done at least one month prior to the commencement of annual or supplementary examination.

24. Evaluation.— The following methodology shall be adopted for evaluating the project work—

(i) Project work shall be evaluated by internal and external examiners.

(ii) Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of four students).

(iii) Three seminars presented by students shall be evaluated for twenty marks each and the average of best two shall be forwarded to the university with marks of other subjects.

(iv) Evaluation shall be done on the following items:

- a) Write up of the seminar
- b) Presentation of work
- c) Communication skills
- d) Question and answer skills

Marks

(7.5)

(7.5)

(7.5)

(7.5)

Total

(30 marks)

(v)

Final evaluation of project work shall be done on the following items:

Marks

- a) Write up of the seminar

(17.5)

- b) Presentation of work

(17.5)

- c) Communication skills

(17.5)

- d) Question and answer skills

(17.5)

Total

(70 marks)

Explanation.— For the purposes of differentiation in the evaluation in case of topic being the same for the group of students, the same shall be done based on item numbers b, c and d mentioned above.

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APPENDIX-D
(See regulation 17)
**CONDITIONS TO BE FULFILLED BY
THE EXAMINING AUTHORITY**

1. The Examining Authority shall be a statutory Indian University constituted by the Central Government/State Government/Union Territory Administration. It shall ensure that discipline and decorum of the examinations are strictly observed at the examination centers.
2. It shall permit the Inspector or Inspectors of the Pharmacy Council of India to visit and inspect the examinations.
3. It shall provide:-
 - (a) adequate rooms with necessary furniture for holding written examinations;
 - (b) well-equipped laboratories for holding practical examinations;
 - (c) an adequate number of qualified and responsible examiners and staff to conduct and invigilate the examinations; and
 - (d) such other facilities as may be necessary for efficient and proper conduct of examinations.
4. It shall, if so required by a candidate, furnish the statement of marks secured by a candidate in the examinations after payment of prescribed fee, if any, to the Examining Authority.
5. It shall appoint examiners whose qualifications should be similar to those of the teachers in the respective subjects as shown in Appendix-B.
6. In pursuance of sub-section (3) of section 12 of the Pharmacy Act, 1948, the Examining Authority shall communicate to the Secretary, Pharmacy Council of India, not less than six weeks in advance the dates fixed for examinations, the time-table for such examinations, so as to enable the Council to arrange for inspection of the examinations.
7. The Examining Authority shall ensure that examiners for conducting examination for Pharm.D. and Pharm.D. (Post Baccalaureate) programmes shall be persons possessing pharmacy qualification and are actually involved in the teaching of the Pharm.D. and Pharm.D. (Post Baccalaureate) programmes in an approved institution.

(ARCHNA MUDGAL)
Registrar-cum-Secretary
Pharmacy Council of India
New Delhi - 110002

