

JSS MAHAVIDYAPEETHA
JSS UNIVERSITY, NOIDA

(Established under the Uttar Pradesh Private University Act No.12 of 2019)



**EXAMINATION REGULATIONS FOR
D.PHARMA**

(Effective from the Session: 2024-25)

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1. SHORT TITLE AND COMMENCEMENT

- These regulations may be called the Education Regulations, 2020 for Diploma course in Pharmacy.
- Syllabus framed under regulation – 7, of the education regulation 2020 for diploma course in pharmacy as notified by pharmacy council of India, New Delhi. Dated 16-10-2020.

2. DIPLOMA IN PHARMACY (PART-I AND PART-II)

- Minimum qualification for admission to Diploma in Pharmacy-A pass in 10+2 examination (science academic stream) with Physics, Chemistry and Biology or Mathematics.
- or
- Any other qualification approved by the Pharmacy Council of India as equivalent to the above examination.
- Provided that there shall be reservation of seats for the Scheduled Castes and the Scheduled Tribes candidates in accordance with the instructions issued by the Central Government /State Government /Union territory administrations as the case may be from time to time.

2.1. Duration of the course:

- A pass in D. Pharm. course from an institution approved by the Pharmacy Council of India under section 12 of the Pharmacy Act.
- The duration of the course shall be for two academic years. Each academic year shall be spread over a period of not less than one hundred and eighty working days.
- In addition, there shall be a five hundred hours of practical training spread over a period of not less than three months.

2.2. Course of study

- The course of study for Diploma in Pharmacy Part-I and Diploma in Pharmacy Part-II shall include the subjects as given in Table I & II below. The number of hours devoted to each subject for its teaching in Theory and Practical, shall not be less than that noted against it in columns 2 and 3 of the Tables below. However, the course of study and practical training may be modified by the Pharmacy Council of India from time to time.

Table – I: Diploma in Pharmacy (Part - I)			
Subject	Number of Hours		
	Theory	Practical	Tutorial
Pharmaceutics	75	75	25
Pharmaceutical Chemistry	75	75	25
Pharmacognosy	75	75	25
Human Anatomy & Physiology	75	75	25
Social Pharmacy	75	75	25
Total	375	375	125

Table – II: Diploma in Pharmacy (Part - II)			
Subject	Number of hours		
	Theory	Practical	Tutorial
Pharmacology	75	50	25
Community Pharmacy & Management	75	75	25
Biochemistry & Clinical Pathology	75	50	25
Pharmacotherapeutics	75	25	25
Hospital & Clinical Pharmacy	75	25	25
Pharmacy Law & Ethics	75	--	25
Total	450	225	150

TABLE III: Diploma in Pharmacy (Part III) Practical Training – 500 hours Activities

- 1) Stocking of Drugs and Medical Devices
- 2) Inventory Control Procedures
- 3) Handling of prescriptions
- 4) Dispensing (250hrs)
- 5) Patient Counseling

2.3. Syllabus-

- The syllabus for each subject of study shall be as prescribed by the Pharmacy Council of India from time to time.
 - (i) **Approval of the authority conducting the course of study**
 - a. No authority in a State shall start or conduct Diploma in Pharmacy course of study without the prior approval of the Pharmacy Council of India.
 - b. The course of regular academic study prescribed under regulation shall be conducted in an institution, regulation approved by the Pharmacy Council of India under sub-section (1) of Section 12 of the Pharmacy Act, 1948.
 - (ii) **Examinations-**
 - a. There shall be an annual examination at the end of the academic year.
 - b. If necessary, there shall be a supplementary examination for the students who are not able to pass Diploma in Pharmacy Part-I or Part-II, as the case may be, as per the criteria specified by the examining authority.
 - c. The examinations shall be of written and practical (including viva – voce) nature, carrying maximum marks for each part of a subject, as indicated in Table IV and V below.

Table – IV: DIPLOMA IN PHARMACY (PART-I) EXAMINATION						
Subject	Maximum marksfor Theory			Maximum marksfor Practical		
	Examination	*Sessional	Total	Examination	*Sessional	Total
Pharmaceutics	80	20	100	80	20	100
Pharmaceutical Chemistry	80	20	100	80	20	100
Pharmacognosy	80	20	100	80	20	100
Human Anatomy & Physiology	80	20	100	80	20	100
Social Pharmacy	80	20	100	80	20	100
			500			500
Table – V: DIPLOMA IN PHARMACY (PART-II) EXAMINATION						
Subject	Maximum marksfor Theory			Maximum marksfor Practical		
	Examination	*Sessional	Total	Examination	*Sessional	Total
Pharmacology	80	20	100	80	20	100
Community Pharmacy & Management	80	20	100	80	20	100
Biochemistry & Clinical Pathology	80	20	100	80	20	100
Pharmacotherapeutics	80	20	100	80	20	100
Hospital and Clinical Pharmacy	80	20	100	80	20	100
Pharmacy law & Ethics	80	20	100	-	-	-
			600			500

Note: *Internal Assessment

(iii) Eligibility for appearing at the Diploma in Pharmacy Part-I and Part II examination-

- Only such candidates who produce certificate from the Head of the academic institution in which he/she has undergone the Diploma in Pharmacy Part-I and Part-II course in proof of his/her having regularly and satisfactorily undergone the course of study by attending not less than 75% of the classes held both in theory and in practical separately in each subject shall be eligible for appearing at the Diploma in Pharmacy (Part-I) or (Part II) examination, as the case may be.

(iv) Mode of examinations

- Theory and Practical examination in the subjects mentioned in Tables – IV & V shall be of three hours duration. Both Theory and Practical are considered as two separate papers.
- A candidate who fails in theory or practical examination of a subject shall re-appear for the failed subject. Theory and Practical of a particular subject are considered as individual subjects for the purpose of pass criteria.
- Practical examination shall also consist of a viva- voce examination.

(v) Award of sessional marks and maintenance of records

Examination Regulations for D Pharma

- a. A regular record of both theory and practical class work and examinations held in an institution imparting training for diploma in Pharmacy Part-I and diploma in Pharmacy Part-II courses, shall be maintained for each student in the institution and 20 marks for each theory and 20 marks for each practical subject shall be allotted as sessional marks.
- b. There shall be two or more periodic sessional (internal assessment) examinations during each academic year. The highest aggregate of any two performances shall form the basis of calculating sessional marks.
- c. The sessional marks in practicals shall be allotted on the following basis:-
- d. Actual performance in the sessional / spacing examination = 10 marks.
- e. Day to day assessment in the practical class/spacing work =10 marks.

(vi) **Minimum marks for passing the examination**

- a. A student shall not be declared to have passed Diploma in Pharmacy examination unless he/she secures at least 40% marks in each of the subjects separately in the theory as well as the practical examinations, including sessional marks. The candidates securing 60% marks or above in aggregate in all subjects shall be declared to have passed in first class. The candidates securing 75% marks or above in any subject or subjects shall be declared to have passed with distinction in that subject or those subjects. The grant of first class and distinction shall be subject to the condition that the candidate shall pass all the subjects in a single attempt.

(vii) **Eligibility for promotion to Diploma in Pharmacy (Part-II)-**

- a. All candidates who have appeared for all the subjects and passed the Diploma in Pharmacy Part-I examination are eligible for promotion to the Diploma in Pharmacy Part-II class. However, failure in more than two subjects shall debar him/her from promotion to Diploma in Pharmacy Part II class.

(viii) **Improvement of sessional marks**

- a. The candidates who wish to improve sessional marks can do so, by appearing in two additional sessional examinations during the next academic year. The average score of the two examinations shall be the basis for improved sessional marks in theory as well as in practical. Marks awarded to a candidate for day to day assessment in the practical class cannot be improved unless he/she attends a regular course of study again.

(ix) **Approval of examinations-**

- a. The examinations mentioned in regulations 2 to 8 shall be held by JSS University (hereinafter referred to as the Examining Authority) in a State, 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 - B to Education regulations - 2020.

(x) **Certificate of passing examination for Diploma in Pharmacy (Part-II)**

- a. Certificate of having passed the examination for the Diploma in Pharmacy Part-II shall be granted by the examining authority to a successful student.

3. DIPLOMA IN PHARMACY (PART-III) (PRACTICAL TRAINING)

3.1. Period and other conditions for practical training-

- (i) After having appeared in Part-II examination for the Diploma in Pharmacy held by an approved Examining Authority a candidate shall be eligible to undergo practical training in one or more of the following institutions namely:
 - a. Hospitals/Dispensaries run by Central /State Governments.
 - b. A pharmacy licensed for retail sale of drugs under the Drugs and Cosmetics Rules, 1945 having the services of registered pharmacists.
 - c. Hospital and Dispensary other than those specified in sub-regulation (i) above for the purpose of giving practical training shall have to be recognized by Pharmacy Council of India on fulfilling the conditions specified in Appendix-C to these regulations.
- (ii) The institutions referred in sub-regulation (1) shall be eligible to impart training subject to the condition that number of student pharmacists that may be taken in any hospital, dispensary or pharmacy licensed under the Drugs and Cosmetics Rules, 1945 made under the Drugs and Cosmetics Act, 1940, shall not exceed four where there is one registered pharmacist engaged in the work in which the student pharmacist is undergoing practical training, where there is more than one registered pharmacist similarly engaged, the number shall not exceed two for each additional such registered pharmacist.
- (iii) In the course of practical training, the trainee shall have exposure to -
 - a. Working knowledge of keeping of records required by various Legislative
 - b. Acts concerning the profession of pharmacy; and Practical experience in activities mentioned in Table III under ER-2020.
- (iv) The practical training shall be not less than five hundred hours spread over a period of not less than three months provided that not less than two hundred and fifty hours are devoted to actual dispensing of prescriptions.

3.2. Procedure to be followed prior to commencement of the training-

- (i) The head of institution imparting practical training, on application, shall supply in triplicate 'Practical Training Contract Form for Pharmacist'(hereinafter referred to as the Contract Form) to the candidate eligible to undertake the said practical training. The Contract Form shall be as specified in Appendix-D ER-2020.
- (ii) The head of institution imparting practical training shall fill Section I of the Contract Form. The trainee shall fill Section II of the said Contract Form and the head of the institution agreeing to impart the training (hereinafter referred to as the Apprentice Master) shall fill Section III of the said Contract form.

- (iii) It shall be the responsibility of the trainee to ensure that one copy (hereinafter referred to as the first copy of the Contract Form) so filled is submitted to the head of institution imparting practical training and the other two copies (hereinafter referred to as the second copy and the third copy) shall be filed with the Apprentice Master (if he so desires) or with the trainee till completion of the training.

3.3. *Certificate of passing Diploma in Pharmacy Part-III-*

- (i) On satisfactory completion of the practical training period the Apprentice Master shall fill Section IV of the second copy and third copy of the Contract Form and forward it to the head of institution imparting practical training who shall suitably enter in the first copy of the entries from the second copy and the third copy and shall fill Section V of the three copies of Contract Form and thereafter hand over both the second copy and the third copy to the trainee.
- (ii) This Contract Form, completed in all respects, shall be regarded as a certificate of having successfully completed the course of Diploma in Pharmacy (Part- III).

4. CERTIFICATE OF DIPLOMA IN PHARMACY

A certificate of Diploma in Pharmacy shall be granted by the examining authority to a successful candidate on producing certificates of having passed the Diploma in Pharmacy Part I and Part II and satisfactory completion of practical training for Diploma in Pharmacy (Part-III).

4.1. *Repeal and Savings*

- (i) The Education Regulations, 1991 (hereinafter referred to as the said regulations) published by the Pharmacy Council of India vide No.14-55/87 (Part)-PCI/2484-2887 dt.11.7.1992 and all amendments thereto are hereby repealed.
- (ii) Notwithstanding such repeal,
 - a. Anything done or any action taken under the said regulations shall be deemed to have been done or taken under the corresponding provision of these regulations.
 - b. A person who was admitted as a student under the said regulations to the course of training for Diploma in Pharmacy and who had not passed the examination at the commencement of these regulations shall be required to pass the examination in accordance with the provisions of the said regulations as if these regulations had not come into force: Provided students admitted to First year D Pharma shall complete the programme within five academic years from the date of first admission, failing which they must discontinue the programme.

Appendix-A (See regulation 2.3(i)): Conditions to Be Fulfilled by The Academic Institution

Any authority in India applying to the Pharmacy Council of India for approval of courses of study for Pharmacists under sub-section (1) of section 12 of the Pharmacy Act, 1948 shall provide. hereafter JSS University fulfils the conditions mentioned in the PCI regulations as amended.

Appendix-B (See regulation 16 of ER-2020): Conditions to Be Fulfilled by The Examining Authority

JSS University fulfills the guidelines as mentioned in Appendix B of ER-2020 (regulations-16)

1. The Examining Authority shall be either a statutory Indian University or a body constituted by the Central or State Government. 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 examination; 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-A.
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 Chairman and at least one expert member of Examining Committee of the Examining Authority concerned with appointment of examiners and conduct of pharmacy examinations should be persons possessing pharmacy qualifications.

Appendix-C [See regulations 18 (1)(iii) of ER-2020]: Conditions to Be Fulfilled by The Institution to Be Recognized For Giving Practical Training

1. The Institution, where practical training is given to student pharmacists, shall from time to time, if required, furnish such information as may be needed by the Pharmacy Council of India about the staff, accommodation and equipment of the Institution concerned and its working.
2. The Institution shall permit the Inspectors of the Pharmacy Council of India to inspect the premises at any reasonable time while the work is proceeding therein.
3. The Institution shall entrust some member or members of its staff, who shall be registered pharmacist (s), to look after the student pharmacists. Such members of the staff shall be responsible in this behalf to the Head of the Institution concerned.
4. The Institution shall provide such opportunity, accommodation, apparatus, materials and books of reference as may be required to enable the student pharmacists to undergo the practical training properly.
5. The number of student pharmacists that may be taken in any hospital, pharmacy and chemist and druggist licensed under the Drugs and Cosmetics Rules, 1945 made under the Drug and Cosmetics Act, 1940 shall not exceed four where there is one registered pharmacist engaged in the work in which the student pharmacist is undergoing practical training; where there is more than one registered pharmacist similarly engaged, the number shall not exceed two for each additional such registered pharmacist.
6. The Institution wishing to be recognized under regulation 18 shall apply in writing to the Secretary, Pharmacy Council of India stating its desire, to be so recognized.
7. Having satisfied that the institution shall follow the conditions laid down in these rules, the Pharmacy Council of India shall grant such recognition.
8. In the event of any question arising as to the interpretation or observance of these conditions the decision of the Pharmacy Council of India shall be final.

**Appendix-D [See regulations 19(1)]: Practical Training Contract Form for
Pharmacists**

SECTION I

This form has been issued to _____ (Name of student pharmacist) son of / daughter of _____ residing at _____ who has produced evidence before methat he/she is entitled to receive the Practical Training as set out in the Education Regulations, 2020 made under section 10 of the Pharmacy Act, 1948.

Date:

The Head of Institution Imparting Practical Training

SECTION II

I _____ accept (Name of the Student Pharmacist)
_____ (Name of the Apprentice Master)
_____ (Name of the Institution)
_____ (Hospital or Pharmacy) as my Apprentice Master for the above training and agree to obey and respect him /her during the entire period of my training.

(Student Pharmacist)

SECTION III

I, _____ accept
(Name of the Apprentice Master) _____ (Name of the
student pharmacist) trainee and I agree to give him /her training facilities in my organisation so
that during his /her training he /she may acquire:

1. Working knowledge of keeping of records required by the various Acts affecting the
profession of pharmacy; and
2. Practical experience in -
 - a. Stocking of Drugs and Medical Devices
 - b. Inventory control procedures
 - c. Handling of prescriptions
 - d. Dispensing
 - e. Patient counseling

I also agree that a Registered Pharmacist shall be assigned for his /her guidance.

**(Apprentice Master with
Name & address of the
Institution)**

SECTION IV

I certify _____ had (Name of student pharmacists) has undergone
_____ hours training training spread over _____ months in
accordance with the details enumerated in SECTION III.

**(The Head of Institution
imparting practical
training)**

SYLLABUS / EXAM SCHEME: ER-2020 D PHARMA SYLLABUS

An Overview: The ER-2020 D.Pharm Syllabus has the following structure in every course. Though the theory and practical courses are not mutually exclusive, as per the Regulations, the theory and practical are to be considered as individual courses.

Scope: These are broader statements on the purpose of the course in the curriculum, key contents of the course that will contribute to the specific knowledge and or skill developments. The teacher is expected to orient the students about the scope of the particular course at the beginning and intermittently.

Course Objectives: The course objectives describe the key topics that are intended by the teacher to be covered in the course. In general, these are more specific than the scope and broader than the course outcomes. The teacher is expected to discuss the objectives of the course with the students and break-down the course objectives into micro levels as objectives of a specific topic / objectives of a specific lecture, etc. Such an exercise shall make the students to understand the significance of the course / topic / lecture and enhance their attention on the course / topic / lecture.

Course Outcomes: The course outcomes are more specific than the course objectives describe that describe the abilities of the students to perform/act, upon successful completion of the course. Hence, conventionally the course outcomes are described with verbs that are measurable or observable actions. The teacher is expected to describe the desired outcomes of the particular course, so that the students shall understand the various assessment criteria, modalities, and parameters. This also serves as a broader guideline for the teachers for preparing the assessment plan. A well-structured assessment plan associated with the course outcomes shall enable to mapping with the professional competencies and their attainment levels that are attributed to the program outcomes.

Theory Courses: The theory courses basically provide concepts and explain the relationships between the concepts. Understanding of the theoretical courses enable the students to identify the problems in real life situation and plan for addressing such problems. Also, the theory course helps to understand what is not known and thus is the tool for accumulation of knowledge. The syllabus of the theory courses has been systematically and logically described as different chapters and the minimum number of hours to be spent on teaching are mentioned chapter wise and course wise. The teachers shall further distribute the total hours of any given chapter among the sub-topics as required by the subject matter.

Practical Courses: The practical courses are designed for applying the theoretical knowledge in the given experimental / simulated conditions. The practical courses deepen the understanding of theories, develop the skills, hone professional competencies, provide opportunities to observe, think and analyse problem solving methods. Further, they help to gain experience with the real things in practice. The teachers shall train the students in actual / simulated practical conditions.

Tutorials: The purpose of the tutorial hour is typically to engage the students in smaller groups in order to pay a closer attention on their learning process. This is an opportunity for the students to complete their assignments, develop specific skills, discuss any problems in the study topics in a less formal way. During the tutorial hour, the students shall exchange their ideas within the small group, and learn to accept constructive criticism and listen to others. Also, the tutorial hour enables the teachers to closely monitor the progress of the individual student and provide additional academic support to individuals, if necessary.

Assignments: The purpose the assignments are to encourage the students for self- directed learning. Further, the assignments will provoke critical thinking, enhance the skills such as literature search, data mining, data interpretation, report formatting, time-management, and written communication. This is also a mode of self-assessment for the student about the level of understanding of the concepts of a particular course. The teachers shall apply their knowledge and wisdom in choosing the assignment topics at a micro level in alignment with the topics given in the syllabus. The assignments shall be evaluated against a set of criteria. A typical format for the assessment of an assignment is given in Appendix -1.

Field Visits: The purpose of field visits is to provide a real-world experience to the students. The field visits will help them to realize that what they learn within the walls of the classroom / laboratory can help them solve the problems they see in the world around them. Also, this is helpful to the teachers to widen their horizons of knowledge and broadening the scope of the syllabus. Every student shall submit a report describing their objectives, experience, learning points, etc. pertaining to the field trip, in the typical format given in Appendix-2.

Recommended Books: For each course, a list of recommended books is given in the syllabus. The list shall be considered as an important and common resource for the teaching-learning process, but not the complete list. It is always encouraged to use the latest edition of the books specified. Further, the teachers and students are encouraged to explore more primary, secondary, and tertiary resources as required.

Practical Training: The goal of the practical training for the students is to provide a real-time, supervised experience on the professional tasks emphasised in their course of study. Further, it helps them to apply their acquired knowledge and skills in the professional working environment. The practical training intensively prepares the students with adequate competencies and qualifications required for the career opportunity in the future.

Thus, the ER 2020 D.Pharm syllabus is designed to nurture the students in all the three domains of Bloom's Taxonomy viz. cognitive (knowledge), affective (attitude) and psychomotor (skills). Further, it also provides ample of scope to the students for different learning styles viz. visual, auditory and kinaesthetic, i.e., 'see, hear and do'.

The summary of the curriculum, courses and other activities and their metrics across the ER-2020 D.Pharm program (Part I, II & III) are given here.

Criteria	Metrics
Number of subject areas (considering both theory & practical together)	11
Number of theory courses	11
Number of practical courses	10
Number of theory hours	825
Number of practical hours	600
Number of practical training hours	500
Number of tutorial hours	275
Number of course outcomes for theory courses	45
Number of course outcomes for practical courses	40
Number of courses which have given assignments	9
Number of assignment topics given	75
Number of assignments reports each student shall submit	27
Number of courses which have field visit	5
Number of field visit reports each student shall submit	9
Number of professional competencies	10

GUIDELINES FOR THE CONDUCT OF THEORY EXAMINATIONS

Sessional Examinations

There shall be two or more periodic sessional (internal assessment) examinations during each academic year. The duration of the sessional exam shall be 90 minutes. The highest aggregate of any two performances shall form the basis of calculating the sessional marks. The scheme of the question paper for theory sessional examinations shall be as given below.

Long Answers (Answer 3 out of 4)	3 x 5 = 15
Short Answers (Answer 5 out of 6)	5 x 3 = 15
Objective type Answers (Answer all 10 out of 10)	10 x 1 = 10
(Multiple Choice Questions / Fill-in the Blanks / One word OR one Sentence questions)	-----
	Total = 40 marks

Internal assessment: The marks secured by the students out of the total 40 shall be reduced to 20 in each sessional, and then the internal assessment shall be calculated based on the best two averages for 20 marks.

Final University Examinations

The scheme of the question paper for the theory examinations conducted by the examining authority (JSS University) shall be as given below. The duration of the final examination shall be 3 hours.

I. Long Answers (Answer 6 out of 7)	= 6 x 5 = 30
II. Short Answers (Answer 10 out of 11)	= 10 x 3 = 30
III. Objective type Answers (Answer all 20)	= 20 x 1 = 20
(Multiple Choice Questions / Fill-in the Blanks / One word OR one Sentence questions)	-----
	Total = 80 marks

GUIDELINES FOR THE CONDUCT OF PRACTICAL EXAMINATIONS

Sessional Examinations

There shall be two or more periodic sessional (internal assessment) practical examinations during each academic year. The duration of the sessional exam shall be three hours. The highest aggregate of any two performances shall form the basis of calculating the sessional marks. The scheme of the question paper for practical sessional examinations shall be as given below.

I.	Synopsis	=	10
II.	Experiments	=	50*
III.	Viva voce	=	10
IV.	Practical Record Maintenance	=	10

		Total =	80 marks

* The marks for the experiments shall be divided into various categories, viz. major experiment, minor experiment, spotters, etc. as per the requirement of the course.

Internal assessment: The marks secured by the students out of the total of 80 shall be reduced to 10 in each sessional, and then the internal assessment shall be calculated based on the best two averages for 10 marks from the sessional and other 10 marks shall be awarded as per the details given below.

Actual performance in the sessional examination	=	10 marks
Assignment marks (Average of three)	=	5 marks*
Field Visit Report marks (Average for the reports)	=	5 marks\$

Total	=	20 marks

*, \$ Only for the courses given with both assignments and field visit/s

Note:

- (i) For the courses having either assignments or field visit/s, the assessments of assignments or field visit/s shall be done directly for 10 marks and added to the sessional marks.
- (ii) For the courses not having both assignment and field visit, the whole 20 marks shall be calculated from the sessional marks.

Final University Examinations

The scheme of the question paper for the practical examinations conducted by the examining authority (JSS University) shall be as given below. The duration of the final examination shall be 3 hours.

I.	Synopsis	=	10
II.	Experiments	=	60*
III.	Viva voce	=	10

Total		=	80 marks

* The marks for the experiments shall be divided into various categories, viz. major experiment, minor experiment, spotters, etc. as per the requirement of the course.

ER-2020 D. Pharm Syllabus – Part I

S. No.	Course Code	Name of the Course	Total Theory /Practical Hrs	Total Tutorial Hours	Theory / Practical Hrs per Week	Tutorial Hours per Week
1.	ER20-11T	Pharmaceutics– Theory	75	25	3	1
2.	ER20-11P	Pharmaceutics– Practical	75	-	3	-
3.	ER20-12T	Pharmaceutical Chemistry – Theory	75	25	3	1
4.	ER20-12P	Pharmaceutical Chemistry– Practical	75	-	3	-
5.	ER20-13T	Pharmacognosy – Theory	75	25	3	1
6.	ER20-13P	Pharmacognosy – Practical	75	-	3	-
7.	ER20-14T	Human Anatomy & Physiology – Theory	75	25	3	1
8.	ER20-14P	Human Anatomy & Physiology – Practical	75	-	3	-
9.	ER20-15T	Social Pharmacy – Theory	75	25	3	1
10.	ER20-15P	Social Pharmacy – Practical	75	-	3	-

ER-2020 D. Pharm Syllabus – Part II

S. No.	Course Code	Name of the Course	Total Theory /Practical Hours	Total Tutorial Hours	Theory / Practical Hrs per Week	Tutorial Hours per Week
1.	ER20-21T	Pharmacology – Theory	75	25	3	1
2.	ER20-21P	Pharmacology – Practical	50	-	2	-
3.	ER20-22T	Community Pharmacy & Management – Theory	75	25	3	1
4.	ER20-22P	Community Pharmacy & Management – Practical	75	-	3	-
5.	ER20-23T	Biochemistry & Clinical Pathology – Theory	75	25	3	1
6.	ER20-23P	Biochemistry & Clinical Pathology – Practical	50	-	2	-
7.	ER20-24T	Pharmacotherapeutics – Theory	75	25	3	1
8.	ER20-24P	Pharmacotherapeutics – Practical	25	-	1	-
9.	ER20-25T	Hospital & Clinical Pharmacy – Theory	75	25	3	1
10.	ER20-25P	Hospital & Clinical Pharmacy – Practical	25	-	1	-
11.	ER20-26T	Pharmacy Law & Ethics	75	25	3	1

Appendix – 1**A typical format for the assessment of an Assignment****Name of the College:**

Name of the Student:	
Academic Year of the Student:	
Name of the Subject:	
Title of the Assignment:	
Date on which the Assignment was given:	
Date on which the Assignment was submitted:	
Name & Designation of the Evaluator:	
Signature of the Evaluator with Date:	

Directions: For evaluation, enter rating of the student utilizing the following scale:
5 – Excellent; 4 - Very Good; 3 – Good; 2 – Satisfactory; 1 – Poor

Assessment Criteria	Score	Comments if any
a. Relevance with the content		
b. Use of resource material		
c. Organization & mechanical accuracy		
d. Cohesion & coherence		
e. Language proficiency & Timely submission		
Total Score		

Signature of the Student with Date:

Note: Subject teacher should try to cover all assignments mentioned in the list for each practical subject by assigning the topics to the students. Students should be encouraged to submit an assignment (in a format decided by the Institute) and encouraged to present assignments (at least anyone assignment per subject) in the class.

Appendix – 2**A typical format for the assessment of a Field Visit Report****Name of the College:**

Name of the Student:	
Academic Year of the Student:	
Name of the Subject:	
Name & full address of the organization visited:	
Date and Duration of Visit:	
Name & Designation of the Evaluator:	
Signature of the Evaluator with Date:	

Objectives set for the field visit: (give 2 – 4 objectives one by one)

Prior preparation of the student for the field visit: (minimum 100 words)

Describe the general experiences during the field visit: (minimum 100 words)

Learning points: Describe what theoretical concept that is correlated during the field visit:
(minimum 300 words)