



BRAINWARE UNIVERSITY
EXAMINATION RULES & REGULATIONS

for

Bachelor of Pharmacy (B. Pharm.)
&
Diploma in Pharmacy (D. Pharm.)

Revised on March 2023
(w.e.f. Even Semester 2022 – 23 onwards)
(As per recommendation of Pharmacy Council of India)
Office of the Controller of Examinations
Brainware University



Index

| Items | Page No |
|---|----------------|
| 1. Programmes Offered | 4 |
| 2. General Rules | 4 |
| 3. Rules for Backlog/ Special Supplementary examinations and for review | 5 |
| 4. B. Pharm Grading of performances, SGPA, CGPA | 7 |
| 5. Declaration of class, Letter Grade of Results | 8 |
| 6. Examination Scheme (B. Pharm) | 10 |
| 7. Academic Progression of B. Pharm. programme | 20 |
| 8. Rules for D. Pharm | 23 |
| 9. Guidelines for the conduct of theory & practical Examinations of D. pharm | 25 |
| 10. ER-2020 D. Pharm Syllabus – Part I & Part-II | 27 |
| 11. Eligibility for appearing Examinations (D. Pharm) | 29 |
| 12. Working out Result for D. Pharm Examination | 31 |
| 13. Appendices of D. Pharm | 32 |
| 14. Tenure of programme & Procedure for Applying for Duplicate Mark sheets / Grade Car | 36 |
| 15. Issued of Grade Card, Transcript, Migration | 37 |
| 16. Reported Against (RA) students ANNEXURE - Rules during the conduct of Examinations | 38 |



Preamble

The University Grants Commission (UGC) has initiated several measures to bring equity, efficiency and excellence in the Higher Education system of country. The academic reforms recommended by the UGC in the recent past have led to overall improvement in the higher education system. However, due to a lot of diversity in the system of higher education, there are multiple approaches followed by the universities towards examination, evaluation and grading system. The grading system is considered to be better than the conventional marks system and hence it has been followed in the top institutions of India and abroad. So, it is desirable to introduce uniform grading system. This will facilitate students' mobility across Institutions within and across countries and also potential employers to access the performance of students. To bring the desired uniformity in grading system and method of Computing the cumulative Grade Point Average (CGPA) based on the performance of the students in the examinations, the UGC has formulated guidelines.

University Grants Commission has suggested to implement the Choice Based Credit System (CBCS) programme where students can not only learn core subjects but also explore additional avenues of learning beyond the core subjects for holistic development of an individual. The proposed curriculum endeavours to empower the students and help them in their pursuit to achieve overall excellence. The implementation of CBCS will also facilitate benchmarking of courses in India with leading international academic practice. The CBCS curriculum has been envisaged to give flexibility to learners to learn subjects of their choice at their own pace.

In addition to dedicated focus on a discipline through core papers, whether an Honours or General programme, the elective papers which will give students the freedom to choose the allied/applied/broad areas of their discipline and also the areas of other discipline of their interest have been added. The course will be evaluated by marking system along with the grading system.

The Choice Based Credit System (CBCS), an internationally acknowledged system, have following aims: (i) to make the course curriculum learner centric, (ii) to encourage inter-disciplinary without disturbing the domain centric knowledge, (iii) to promote mobility of the students and help in optimizing learning, (iv) to allow autonomy to the teachers to build in accountability, (v) continuous evaluation of students to help in optimizing learning, (vi) to introduce transparency in the evaluation systems, (vii) to improve employability of students.



1. Programmes offered :

Brainware University offers the following Pharmacy programmes:

| Sl no | Under Graduate (UG) Courses | Duration |
|-------|---|-----------------------|
| 1 | Bachelor's Degree in Pharmacy (B. Pharm.) | 4 Years (8 Semesters) |
| 2 | Diploma in Pharmacy (D. Pharm.) | 2 Years |

2. General Rules

- Each course of D. Pharm. and B. Pharm programs consists of theory course, practical courses & sessional course.
- **For B. Pharm Course** at the end of each semester there shall be an Term-end-semester examination as per the schedule announced by the Controller of Examinations at least one month prior to the commencement of the examination.
- **D. Pharm course** will have Part-I examination to examine students of the first year course and Part- II to examine students of second year course. The first examination in every year shall be the annual examination and the second examination shall be backlog examination of Part-I or Part-II as the case may be. Practical training (Part-III) will be conducted at Hospitals / Dispensaries run by Central/State Government/Municipal Corporations /CCGHS/ESIS.
- Generally the ODD Semester examination shall be held in November / December and EVEN semester exam shall be held in May / June of a year for B. Pharm Course and an Annual examination in June/July for D. Pharm Course.

This schedule is subject to change whenever notified by the Controller of Examinations.

- Each student has to submit a duly filled in examination form online and requisite examination fees for each semester in due time as per notification given by the Controller of Examinations failing which, a student shall not be eligible to sit for the examination. However in some special cases, relaxation may be made by the **competent authority** as per the merit of the case. The Online Admit card required for the examination will be available after submission of the examination form and requisite fees.
- The theory question paper for each course will be set by internal paper setter(s) or external paper setter(s) and the answer script will be examined by internal examiner(s) or external examiner(s).
- Moderation of the theory question paper(s) will be done by a Board of internal & external moderators constituted by the Board of Studies.



- 80% attendance (cumulative attendance of classes) is required in each semester to appear in the Term-End Semester Examinations for B. Pharm programme and 75% attendance (cumulative attendance of classes) is required in each year to appear in the Term-End Annual Examinations for D. Pharm programme. If any candidate fails to secure required attendance, then he/she may apply with valid documents to the Registrar or Vice-Chancellor, BWU for consideration. The decision of highest authority will be treated as final verdict in this regard.
- Each student has to pass each course separately. If any student fails to pass in one or more courses, he/she shall have to appear at those courses as a backlog candidate in the respective ODD / EVEN semester examination.
- The Examination Board is being constructed as per the Statute Guidelines of the University to oversee the entire University Examination System.

3. Rules for Backlog, Special Supplementary Examination & Review :

i) Backlog Examination:

- A)** If any candidate fails to secure pass marks or fails to attend any course (either internal assessment and/or External Term-End Semester Examinations) at the previous semester/terms will be treated as a backlog candidate. Examination fees of each semester of B. Pharm Course for regular and backlog courses will be declared by the Controller of Examination through proper notification. Candidate shall appear his/her backlog courses with the normal Term-end-semester examinations in respective ODD or EVEN semester examinations, during the tenure of course for B. Pharm. Candidate shall appear his/her backlog courses with the normal Term-end-semester examinations in respective ODD or EVEN semester examinations, during the tenure of the programme. Such candidates have to submit backlog Examination form and requisite fees as and when notified by the Controller of Examination.
- B)** D. Pharma candidate can appear their part-I & part-II backlog exam in June & December examinations. i.e. twice in a year. Such candidates have to submit backlog Examination form and requisite fees as and when notified by the Controller of Examination.

Special supplementary examination for Pharmacy: Special supplementary examination will be conducted on theory, practical & sessional courses of any semesters for the candidates only from Final Semester/ year of the respective session and Final Semester/ Year pass out batches of all Diploma (2 & 3 years), PG Diploma, UG and PG programmes once in a year after the declaration of Final semester result. Preferably it will be held in the month of September/October in each year after the declaration of Final semester result. Eligible candidate has to apply by submitting Special Supplementary Examination form and requisite examination fees according to the notice given by the office of the Controller of Examinations. After that, Admit card will be issued to the eligible candidates to appear at the examinations. The result of Special Supplementary examinations will be declared tentatively in the last week of November. The revised rules effective from 2020- 21 session has been given below:



Eligibility criteria to apply & appear at Special Supplementary examinations:

Candidates only from Final Semester/ year of the respective session and Final Semester/ Year pass out batches, who have appeared at all semesters except any one semester of the concern programme i.e., neither applied nor appeared in the examination due to any reason and/or having maximum two backlog courses (including theory, practical & sessional courses) in each semester, are only eligible to apply for the Special Supplementary Examinations. They may appear any courses including theory, practical and sessional of non-appeared semester examinations and/or they may also appear at any backlog courses including theory, practical and sessional of other semesters maintaining the above criteria.

In case of non-appeared semester, if internal assessment is not appeared earlier or in case of poor marks in internal assessment of the pending semester then candidates have to apply to the HODs of respective department of those courses for attending re-examination of internal assessment of those courses. Candidate has to apply to the respective HODs at least two months before the special supplementary examinations and has to submit examination form and requisite fees of the special supplementary examinations as per the notification given by the office of the controller of examinations.

But those candidates who have not appeared at more than one semester earlier, they are not eligible to sit for this examination. Also those candidates, who have more than two pending backlog courses in any semester, they are also not eligible to sit in this examinations. (For Example if a candidate has 2 backlog courses in 5th semester and 3 backlog courses in 6th semester, then the candidate will not be eligible to sit in the special supplementary examinations.)

- ii) The review process will not be allowed for candidates who intend to appear in special supplementary examinations of final year even semester courses. Regular students may apply for review of his/her answer script only for theory courses as per notification given from Controller of Examination, generally within 20 days of publishing end semester examinations results. The results of the special supplementary examination will not be eligible for review.

Review fee for each course will be declared by Controller of Examinations through proper notification from time to time.

- iii) The marks awarded by the reviewer shall be the **final one. The marks may increase/decrease/remains unchanged after the review.**
- iv) There shall be one reviewer per course who may be internal and/or external examiner. The Board of studies will send a panel of two names of the reviewers for each course/subject. An examiner will be selected from the said panel by the Vice Chancellor.



4. Grading of performances

Letter grades and grade points allocations for B. Pharm:

Based on the performances, each student shall be awarded a final letter grade at the end of the semester for each course. The letter grades and their corresponding grade points are given below.

**Letter grades and grade points equivalent to
Percentage of marks and performances**

| Percentage of Marks Obtained | Letter Grade | Grade Point | Performance |
|------------------------------|--------------|-------------|-------------|
| 90.00 – 100 | O | 10 | Outstanding |
| 80.00 – 89.99 | A | 9 | Excellent |
| 70.00 – 79.99 | B | 8 | Good |
| 60.00 – 69.99 | C | 7 | Fair |
| 50.00 – 59.99 | D | 6 | Average |
| Less than 50 | F | 0 | Fail |
| Absent | AB | 0 | - |
| Incomplete | I | 0 | - |

A learner who remains absent for any end semester examination shall be assigned a letter grade of AB and a corresponding grade point of zero. He/she should reappear for the said evaluation/examination in due course.

5. The Semester grade point average (SGPA) for B.Pharm

The performance of a student in a semester is indicated by a number called 'Semester Grade Point Average' (SGPA). The SGPA is the weighted average of the grade points obtained in all the courses by the student during the semester. For example, if a student takes five courses(Theory/Practical) in a semester with credits C1, C2, C3, C4 and C5 and the student's grade points in these courses are G1, G2, G3, G4 and G5, respectively, and then students' SGPA is equal to:

$$\text{SGPA} = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4G_4 + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$



Which is equivalent to the following:

SGPA (Semester Grade Point Average): $\sum(C_{ip} \times G_i) / \sum C_{ip}$
where C_{ip} implies credits and G_i implies Grade points of i^{th} Course

The SGPA is calculated to two decimal points. It should be noted that, the SGPA for any semester shall take into consideration the F and ABS grade awarded in that semester. For example if a learner has a F or ABS grade in course 4, the SGPA shall then be computed as:

$$SGPA = \frac{C_1G_1 + C_2G_2 + C_3G_3 + C_4 * ZERO + C_5G_5}{C_1 + C_2 + C_3 + C_4 + C_5}$$

6. Cumulative Grade Point Average (CGPA) for B. Pharm.

The CGPA is calculated with the SGPA of all the VIII semesters to two decimal points and is indicated in final grade report card/final transcript showing the grades of all VIII semesters and their courses. The CGPA shall reflect the failed status in case of F grade(s), till the course(s) is/are passed. When the course(s)is/are passed by obtaining a pass grade on subsequent examination(s) the CGPA shall only reflect the new grade and not the fail grades earned earlier. The CGPA is calculated as:

$$CGPA = \frac{C_1S_1 + C_2S_2 + C_3S_3 + C_4S_4 + C_5S_5 + C_6S_6 + C_7S_7 + C_8S_8}{C_1 + C_2 + C_3 + C_4 + C_5 + C_6 + C_7 + C_8}$$

where C_1, C_2, C_3, \dots is the total number of credits for semester I,II,III,.... and S_1, S_2, S_3, \dots is the SGPA of semester I,II,III,....

Which is equivalent to the following:

CGPA (Cumulative Grade point Average): $\sum(C_{is} \times S_i) / \sum C_{is}$

where S_i implies SGPA and C_{is} implies total credits for i^{th} Semester



7. Declaration of class

The class shall be awarded on the basis of CGPA as follows:

First Class with Distinction = CGPA of. 7.50 and above

First Class = CGPA of 6.00 to 7.49

8. Letter Grade of Results:

Result:

| Letter Grade | Classification |
|--------------|-------------------------------------|
| PP | Passed and Promoted |
| PB | Eligible for promotion with Backlog |
| X | Ineligible for Promotion |

Result (Final Semester)

| | |
|-----|----------------------------------|
| PPC | Programme Partially Completed |
| PSC | Programme Successfully Completed |



9. Schemes for internal assessments and end semester examinations semester wise for B.Pharm.

Semester I

| Course code | Name of the course | Internal Assessment | | | | End Semester Exams | | Total Marks |
|----------------------|--|---|--|---|--|---|--|---|
| | | Continuous Mode | Sessional Exams | | Total | Marks | Duration | |
| | | | Marks | Duration | | | | |
| BP101T | Human Anatomy and Physiology I – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP102T | Pharmaceutical Analysis I – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP103T | Pharmaceutics I – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP104T | Pharmaceutical Inorganic Chemistry – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP105T | Communication skills – Theory * | 5 | 10 | 1 Hr | 15 | 35 | 1.5 Hrs | 50 |
| BP106RBT BP106RMT | Remedial Biology/ Mathematics – Theory* | 5 | 10 | 1 Hr | 15 | 35 | 1.5 Hrs | 50 |
| BP107P | Human Anatomy and Physiology – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| BP108P | Pharmaceutical Analysis I – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| BP109P | Pharmaceutics I – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| BP110P | Pharmaceutical Inorganic Chemistry – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| BP111P | Communication skills – Practical* | 5 | 5 | 2 Hrs | 10 | 15 | 2 Hrs | 25 |
| BP112RBP | Remedial Biology – Practical* | 5 | 5 | 2 Hrs | 10 | 15 | 2 Hrs | 25 |
| Total | | 70/75[§]/80[#] | 115/125[§]/130[#] | 23/24[§]/26[#] Hrs | 185/200[§]/210[#] | 490/525[§]/ 540[#] | 31.5/33[§]/ 35[#] Hrs | 675/725[§]/ 750[#] |

[#]Applicable ONLY for the students studying Mathematics / Physics / Chemistry at HSC and appearing for Remedial Biology (RB) course.

[§]Applicable ONLY for the students studying Physics / Chemistry / Botany / Zoology at HSC and appearing for Remedial Mathematics (RM) course.
Non University Examination (NUE)



Semester II

| Course code | Name of the course | Internal Assessment | | | | End Semester Exams | | Total Marks |
|--------------|--|---------------------|-----------------|---------------|------------|--------------------|---------------|-------------|
| | | Continuous Mode | Sessional Exams | | Total | Marks | Duration | |
| | | | Marks | Duration | | | | |
| BP201T | Human Anatomy and Physiology II – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP202T | Pharmaceutical Organic Chemistry I – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP203T | Biochemistry – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP204T | Pathophysiology – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP205T | Computer Applications in Pharmacy – Theory* | 10 | 15 | 1 Hr | 25 | 50 | 2 Hrs | 75 |
| BP206T | Environmental sciences – Theory* | 10 | 15 | 1 Hr | 25 | 50 | 2 Hrs | 75 |
| BP207P | Human Anatomy and Physiology II – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| BP208P | Pharmaceutical Organic Chemistry I – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| BP209P | Biochemistry – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| BP210P | Computer Applications in Pharmacy – Practical* | 5 | 5 | 2 Hrs | 10 | 15 | 2 Hrs | 25 |
| Total | | 80 | 125 | 20 Hrs | 205 | 520 | 30 Hrs | 725 |

The subject experts at college level shall conduct examinations



Semester III

| Course code | Name of the course | Internal Assessment | | | | End Semester Exams | | Total Marks |
|--------------|---|---------------------|-----------------|-----------|------------|--------------------|--------------|-------------|
| | | Continuous Mode | Sessional Exams | | Total | Marks | Duration | |
| | | | Marks | Duration | | | | |
| BP301T | Pharmaceutical Organic Chemistry II – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP302T | PhysicalPharmaceuticsI –Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP303T | Pharmaceutical Microbiology – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP304T | Pharmaceutical Engineering – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP305P | Pharmaceutical Organic Chemistry II – Practical | 5 | 10 | 4 Hr | 15 | 35 | 4 Hrs | 50 |
| BP306P | Physical Pharmaceutics I – Practical | 5 | 10 | 4 Hr | 15 | 35 | 4 Hrs | 50 |
| BP307P | Pharmaceutical Microbiology – Practical | 5 | 10 | 4 Hr | 15 | 35 | 4 Hrs | 50 |
| BP308P | Pharmaceutical Engineering – Practical | 5 | 10 | 4 Hr | 15 | 35 | 4 Hrs | 50 |
| Total | | 60 | 100 | 20 | 160 | 440 | 28Hrs | 600 |



Semester IV

| Course code | Name of the course | Internal Assessment | | | | End Semester Exams | | Total Marks |
|--------------|--|---------------------|-----------------|---------------|------------|--------------------|---------------|-------------|
| | | Continuous Mode | Sessional Exams | | Total | Marks | Duration | |
| | | | Marks | Duration | | | | |
| BP401T | Pharmaceutical Organic Chemistry III– Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP402T | Medicinal Chemistry I – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP403T | Physical Pharmaceutics II – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP404T | Pharmacology I – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP405T | Pharmacognosy I – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP406P | Medicinal Chemistry I – Practical | 5 | 10 | 4 Hr | 15 | 35 | 4 Hrs | 50 |
| BP407P | Physical Pharmaceutics II – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| BP408P | Pharmacology I – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| BP409P | Pharmacognosy I – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| Total | | 70 | 115 | 21 Hrs | 185 | 515 | 31 Hrs | 700 |



Semester V

| Course code | Name of the course | Internal Assessment | | | | End Semester Exams | | Total Marks |
|--------------|---------------------------------------|---------------------|-----------------|--------------|------------|--------------------|---------------|-------------|
| | | Continuous Mode | Sessional Exams | | Total | Marks | Duration | |
| | | | Marks | Duration | | | | |
| BP501T | Medicinal Chemistry II – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP502T | Formulative Pharmacy– Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP503T | Pharmacology II – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP504T | Pharmacognosy II – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP505T | Pharmaceutical Jurisprudence – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP506P | Formulative Pharmacy – Practical | 5 | 10 | 4 Hr | 15 | 35 | 4 Hrs | 50 |
| BP507P | Pharmacology II – Practical | 5 | 10 | 4 Hr | 15 | 35 | 4 Hrs | 50 |
| BP508P | Pharmacognosy II – Practical | 5 | 10 | 4 Hr | 15 | 35 | 4 Hrs | 50 |
| Total | | 65 | 105 | 17 Hr | 170 | 480 | 27 Hrs | 650 |



Semester VI

| Course code | Name of the course | Internal Assessment | | | | End Semester Exams | | Total Marks |
|--------------|--|---------------------|-----------------|---------------|------------|--------------------|---------------|-------------|
| | | Continuous Mode | Sessional Exams | | Total | Marks | Duration | |
| | | | Marks | Duration | | | | |
| BP601T | Medicinal Chemistry III – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP602T | Pharmacology III – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP603T | Herbal Drug Technology – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP604T | Biopharmaceutics and Pharmacokinetics – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP605T | Pharmaceutical Biotechnology– Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP606T | Quality Assurance– Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP607P | Medicinal chemistry III – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| BP608P | Pharmacology III – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| BP609P | Herbal Drug Technology – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| Total | | 75 | 120 | 18 Hrs | 195 | 555 | 30 Hrs | 750 |



Semester VII

| Course code | Name of the course | Internal Assessment | | | | End Semester Exams | | Total Marks |
|--------------|--|---------------------|-----------------|-------------|------------|--------------------|---------------|-------------|
| | | Continuous Mode | Sessional Exams | | Total | Marks | Duration | |
| | | | Marks | Duration | | | | |
| BP701T | Instrumental Methods of Analysis – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP702T | Industrial Pharmacy – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP703T | Pharmacy Practice – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP704T | Novel Drug Delivery System – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP705 P | Instrumental Methods of Analysis – Practical | 5 | 10 | 4 Hrs | 15 | 35 | 4 Hrs | 50 |
| BP706 PS | Practice School* | 25 | - | - | 25 | 125 | 5 Hrs | 150 |
| Total | | 70 | 70 | 8Hrs | 140 | 460 | 21 Hrs | 600 |

The subject experts at college level shall conduct examinations



Semester VIII

| Course code | Name of the course | Internal Assessment | | | | End Semester Exams | | Total Marks |
|--------------|--|---------------------|-----------------|---------------|--------------|--------------------|---------------|-----------------|
| | | Continuous Mode | Sessional Exams | | Total | Marks | Duration | |
| | | | Marks | Duration | | | | |
| BP801T | Biostatistics and Research Methodology – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP802T | Social and Preventive Pharmacy – Theory | 10 | 15 | 1 Hr | 25 | 75 | 3 Hrs | 100 |
| BP803ET | Pharmaceutical Marketing – Theory | 10 + 10 = 20 | 15 + 15 = 30 | 1 + 1 = 2 Hrs | 25 + 25 = 50 | 75 + 75 = 150 | 3 + 3 = 6 Hrs | 100 + 100 = 200 |
| BP804ET | Pharmaceutical Regulatory Science – Theory | | | | | | | |
| BP805ET | Pharmacovigilance – Theory | | | | | | | |
| BP806ET | Quality Control and Standardizations of Herbals – Theory | | | | | | | |
| BP807ET | Computer Aided Drug Design – Theory | | | | | | | |
| BP808ET | Cell and Molecular Biology – Theory | | | | | | | |
| BP809ET | Cosmetic Science – Theory | | | | | | | |
| BP810ET | Experimental Pharmacology – Theory | | | | | | | |
| BP811ET | Advanced Instrumentation Techniques – Theory | | | | | | | |
| BP812PW | Project Work | - | - | - | - | 150 | 4 Hrs | 150 |
| Total | | 40 | 60 | 4 Hrs | 100 | 450 | 16 Hrs | 550 |



10. i) Internal assessment: Continuous mode for B. Pharm

The marks allocated for Continuous mode of Internal Assessment shall be awarded as per the scheme given below.

Scheme for awarding internal assessment: Continuous mode

| Theory | | |
|---|----------------------|----------|
| Criteria | Maximum Marks | |
| Attendance | 4 | 2 |
| Academic activities (Average of any 3 activities e.g. quiz, assignment, open book test, field work, group discussion and seminar) | 3 | 1.5 |
| Student – Teacher interaction | 3 | 1.5 |
| Total | 10 | 5 |
| Practical | | |
| Attendance | 2 | |
| Based on Practical Records, Regular viva voce, etc. | 3 | |
| Total | 5 | |

Guidelines for the allotment of marks for attendance

| Percentage of Attendance | Theory | Practical |
|---------------------------------|---------------|------------------|
| 95 – 100 | 4 | 2 |
| 90 – 94 | 3 | 1.5 |
| 85 – 89 | 2 | 1 |
| 80 – 84 | 1 | 0.5 |
| Less than 80 | 0 | 0 |

ii) Sessional Exams

Two Sessional exams shall be conducted for each theory / practical course as per the schedule fixed by the college(s). The scheme of question paper for theory, practical and Sessional examinations is given below. The average marks of two Sessional exams shall be computed for internal assessment as per the requirements.

The Sessional exam shall be conducted for 30 marks for theory and shall be computed for 15 marks. Similarly the Sessional exam for practical shall be conducted for 40 marks and shall be computed for 10 marks.

iii) Question paper pattern for theory Sessional examinations

| | | | |
|---|----------|-----------------|------|
| For subjects having University examination | | | |
| I. Multiple Choice Questions (MCQs) (Answer all the questions) | = | 10 x 1 | = 10 |
| I. Long Answers (Answer 1 out of 2) | = | 1 x 10 | = 10 |
| II. Short Answers (Answer 2 out of 3) | = | 2 x 5 | = 10 |
| | | ----- | |
| Total | = | 30 marks | |



For subjects having Non University Examination

| | | |
|---------------------------------------|---|-------------|
| I. Long Answers (Answer 1 out of 2) | = | 1 x 10 = 10 |
| II. Short Answers (Answer 4 out of 6) | = | 4 x 5 = 20 |
| | | ----- |
| Total | = | 30 marks |
| | | ----- |

Question paper pattern for practical sessional examinations

| | | |
|-----------------|---|----------|
| I. Synopsis | = | 10 |
| II. Experiments | = | 25 |
| III. Viva voce | = | 05 |
| | | ----- |
| Total | = | 40 marks |
| | | ----- |

iv) Promotion and award of grades (B. Pharm)

A student shall be declared PASS and eligible for getting a grade in a course of B.Pharm. programme if he/she secures at least 50% marks in that particular course including internal assessment (i.e. candidate has to appear in internal and external both the part of each course). For example, to be declared as PASS and to get a grade, the student has to secure a minimum of 50 marks for the total of 100 including continuous mode of assessment and end semester theory examination and has to secure a minimum of 25 marks for the total 50 including internal assessment and end semester practical examination.

Lateral Entry Student of B.Pharm Programme have to comply:

The lateral entry students shall get 52 credit points transferred from their D. Pharm program. Such students shall have to clear additional remedial courses of 'Communication Skills' (Theory course BP105T- Communication skills and Practical course BP111P Communication skills lab) of 1st semester and 'Computer Applications in Pharmacy' (Theory course BP205T Computer Applications in Pharmacy and Practical course BP210P Computer Applications in Pharmacy lab) of 2nd semester, which is equivalent to 3 and 4 credit points respectively, a total of 7 credit points to attain 59 credit points, the maximum of 1st and 2nd semesters has to accumulate for successful completion of B.Pharm. programme within tenure of the programme.



v) Academic Progression of B. Pharm. programme w.e.f. 2021- 22 session onwards for newly admitted students of new batches:

- No student shall be admitted to any examination unless he/she fulfils the norms given in academic progression.

Academic progression rules are applicable as follows:

- A student shall be eligible to carry forward all the courses of I, II and III semesters till the IV semester examinations. However, he/she shall not be eligible to attend the courses of V semester until all the courses of I and II semesters are successfully completed.
- A student shall be eligible to carry forward all the courses of III, IV and V semesters till the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of I, II, III and IV semesters are successfully completed.
- A student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of I, II, III, IV, V and VI semesters are successfully completed.
- A student shall be eligible to get his/her CGPA upon successful completion of the courses of I to VIII semesters within the stipulated time period as per the tenure of the programme.
- A lateral entry student shall be eligible to carry forward all the courses of III, IV and V semesters till the VI semester examinations. However, he/she shall not be eligible to attend the courses of VII semester until all the courses of III and IV semesters are successfully completed.
- A lateral entry student shall be eligible to carry forward all the courses of V, VI and VII semesters till the VIII semester examinations. However, he/she shall not be eligible to get the course completion certificate until all the courses of III, IV, V and VI semesters are successfully completed.
- A lateral entry student shall be eligible to get his/her CGPA upon successful completion of the courses of III to VIII semesters within the stipulated time period as per the norms.
- Any student who has given more than 4 chances for successful completion of I / III semester courses and more than 3 chances for successful completion of II / IV semester courses shall be permitted to attend V / VII semester classes ONLY during the subsequent academic year as the case may be. In simpler terms there shall NOT be any ODD BATCH for any semester.

Note: Grade AB & I should be considered as failed and treated as one head for deciding academic progression. Such rules are also applicable for those students who fail to register or fail to attend any part of examination(s) of any course in any semester.



vi) Carry forward of marks for Backlog :

In case a student fails to secure the minimum 50% in any Theory or Practical course then he/she shall reappear for the end semester examination of that course. However his/her marks of the Internal Assessment shall be carried over (if appeared earlier) and he/she shall be entitled for grade obtained by him/her on passing. *If internal assessment not appeared earlier or in case of poor marks in internal assessment of the pending courses of semester then candidates have to apply to the HOD of respective department of those courses for attending re-exam of internal assessment of those courses to upgrade internal assessment marks. Candidates has to apply to the respective HODs at least two months before the respective term-end semester examinations/ backlog examinations.* Marks of External Term-end semester examination will not be carried forward for such cases.

Tentative schedule of end semester examinations

| Semester | Months |
|---------------------|---------------------|
| I, III, V and VII | November / December |
| II, IV, VI and VIII | May / June |

vii) Question paper pattern for end semester theory examinations

For 75 marks course

| | | |
|--|---|-------------|
| I. Multiple Choice Questions(MCQs) (Answer all the questions) | = | 20 x 1 = 20 |
| I. Long Answers (Answer 2 out of 3) | = | 2 x 10 = 20 |
| II. Short Answers (Answer 7 out of 9) | = | 7 x 5 = 35 |
| | | ----- |
| Total | = | 75 marks |

For 50 marks course

| | | |
|---------------------------------------|---|-------------|
| I. Long Answers (Answer 2 out of 3) | = | 2 x 10 = 20 |
| II. Short Answers (Answer 6 out of 8) | = | 6 x 5 = 30 |
| | | ----- |
| Total | = | 50 marks |



For 35 marks course

| | | |
|---------------------------------------|---|------------|
| I. Long Answers (Answer 1 out of 2) | = | 1 x 10 =10 |
| II. Short Answers (Answer 5 out of 7) | = | 5 x 5 = 25 |
| | | ----- |
| Total | = | 35 marks |
| | | ----- |

viii) Question paper pattern for end semester practical examinations

| | | |
|-----------------|---|----------|
| I. Synopsis | = | 5 |
| II. Experiments | = | 25 |
| III. Viva voce | = | 5 |
| | | ----- |
| Total | = | 35 marks |
| | | ----- |

11. Project work for B. Pharm

All the students shall undertake a project under the supervision of a teacher and submit a report. The area of the project shall directly relate any one of the elective subjects opted by the student in semester VIII. The project shall be carried out in a group not exceeding 5 in number. The project report shall be submitted in triplicate (typed & bound copy not less than 25 pages).

The internal and external examiner appointed by the University shall evaluate the project at the time of the Practical examinations of other semester(s). Students shall be evaluated in groups for four hours (i.e., about half an hour for a group of five students). The projects shall be evaluated as per the criteria given below.

Evaluation of Dissertation Book:

| | |
|-------------------------------|----------|
| Objective(s) of the work done | 15 Marks |
| Methodology adopted | 20 Marks |
| Results and Discussions | 20 Marks |
| Conclusions and Outcomes | 20 Marks |
| | ----- |
| Total | 75 Marks |

Evaluation of Presentation:

| | |
|----------------------------|----------|
| Presentation of work | 25 Marks |
| Communication skills | 20 Marks |
| Question and answer skills | 30 Marks |
| | ----- |
| Total | 75 Marks |

Explanation: The 75 marks assigned to the dissertation book shall be the same for all the students in a group. However, the 75 marks assigned for presentation shall be awarded based on the performance of individual students in the given criteria.



12. Industrial training (Desirable) for B. Pharm

Every candidate shall be required to work for at least 150 hours spread over four weeks in a Pharmaceutical Industry/Hospital. It includes the Production unit, Quality Control department, Quality Assurance department, Analytical laboratory, Chemical manufacturing unit, Pharmaceutical R&D, Hospital (Clinical Pharmacy), Clinical Research Organization, Community Pharmacy, etc. After the Semester – VI and before the commencement of Semester – VII, and shall submit a satisfactory report of such work and certificate duly signed by the authority of the training organization to the head of the institute.

13. Rules for D. Pharm:

13.1. ER-2020 D. Pharm 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 make a 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, and 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.



14.1. Guidelines for the conduct of theory Examinations (Diploma in Pharmacy)

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.

- I. Long Answers (Answer 3 out of 4) 3 x 5 = 15
 - II. Short Answers (Answer 5 out of 6) 5 x 3 = 15
 - III. 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 Board / University Examinations

The scheme of the question paper for the theory examinations conducted by the examining authority (Board / 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

14.2. Guidelines for the conduct of Practical Examinations (Applicable for Diploma in Pharmacy 2022 batch onwards)

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:

1. 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.
2. For the courses not having both assignment and field visit, the whole 20 marks shall be calculated from the sessional marks.

Final Board / University Examinations

The scheme of the question paper for the practical examinations conducted by the examining authority (Board / 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.



15.1. ER-2020 D. Pharm Syllabus – Part I

| S. No. | Course Code | Name of the Course | Total Theory / Practical Hours | Total Tutorial Hours | Theory / Practical Hours 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 | - |



15.2. ER-2020 D. Pharm Syllabus – Part II

| S. No. | Course Code | Name of the Course | Total Theory / Practical Hours | Total Tutorial Hours | Theory / Practical Hours 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 |



16.1. - ELIGIBILITY FOR APPEARING IN EXAMINATION (D. Pharm)

- (a) Eligibility for appearing at the Diploma in Pharmacy Part-1 Examination: Only such candidates who produce-a certificate from the Head of the Department in which he/she has undergone the Diploma in Pharmacy Part-I 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, shall be eligible for appearing at the Diploma in Pharmacy (Part-I) Examination.
- (b) Eligibility for appearing at the Diploma in Pharmacy Part-II Examination: Only such candidates who produce certificate from the Head of the Department in which he/she has undergone the Diploma Pharmacy Part-II course, in proof his/her having regularly and satisfactorily attending not less than 75% of the classes held both in theory and practicals separately in each subject, shall be eligible for appearing at the Diploma in Pharmacy (Part-II) examination.
- (c) Examination: There shall be an examination for Diploma in Pharmacy (part-I) to examine students of the first year course and an examination for Diploma in Pharmacy (Part-II) to examine students of the second year course. Each examination may be held twice every year. The first examination in every year shall be the annual examination and the second examination shall be Backlog examination of the Diploma in Pharmacy (Part-I) or diploma in Pharmacy (part-II) as the case may be. The examination shall be of written and practical (including oral) nature. Carrying maximum marks for each part of subject, as indicated in table 1 (Plan and of examination for Diploma in Pharmacy)

16.2. - PRACTICAL TRAINING - Diploma in Pharmacy (Part-III)

- (a) Period and other condition of practical training :
After having appeared in the Part-II examination of Diploma in Pharmacy conducted by Board/University or other approved examination Body or any other course accepted as being equivalent by the Pharmacy Council of India, a candidate shall be eligible to undergo practical training in one or more of the following institution namely:

Hospitals/Dispensaries run by Central/State Government/Municipal corporation/central Government Health scheme and Employees state Insurance scheme. A pharmacy, Chemist and Druggist licensed under the Drugs and Cosmetics Rules, 1945 made under the Drugs and Cosmetics Act, 1940 (23 of 1940).



The institution referred in sub-regulation (1) shall be eligible to impart training subject to the condition that the number of student pharmacists that may be taken in any Hospital, Pharmacy, Chemist and Druggist licensed under the Drugs and cosmetics Rules, 1945 under the Drugs and cosmetics Act, 1940 shall not exceed two where 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 engaged, the number shall not exceed one for additional such registered pharmacist. Hospital and Dispensary other than those specified in sub-regulation (1) for the purpose of giving practical training shall have to be recognized by pharmacy council of India on fulfilling the conditions specified in Appendix-D to these regulations.

In the course of practical training, the trainees shall have exposure to: Working knowledge of keeping of records required by various acts concerning the profession of pharmacy and Practical experience in the manipulation of pharmaceutical apparatus in common use, the reading translation and copying of prescription including checking of dose, the dispensing of prescriptions illustrating the commoner methods of administering medicaments; the storage of drugs and medical preparations. The practical training shall be no 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 and devoted to actual dispensing of prescriptions.

(b) Procedure to be followed prior to commencing of the training:

The head of academic training institution, shall supply application in triplicate in "Practical Training Control Form for Qualification as pharmacist" to candidates eligible to under-take the said practical training, the contract form shall be as specified in Appendix-E to these regulations.

The head of an academic training institution shall fill section I of the contract Form. The trainee shall fill section II of the said contract Form and 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.

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 head of the academic training institution and the other two copies (hereinafter referred to as the second copy and the third copy) shall be filled with Apprentice Master (if he so desires) or with the trainee pending completion of the training.

(C) Certificate of passing Diploma in Pharmacy (part-III) on satisfactory completion of the apprentice period, the Apprentice Master shall fill Section IV of the second copy of contract form and cause it to be sent to the head to the academic training institution who shall suitably enter in the first copy of the entries from the second copy and third copy and shall fill section V of three copies of contract form and thereafter handover both the second copy and third copy to the trainee. Thus, if completed in all respect, shall be regarded as a certificate of having successfully completed the course of Diploma in Pharmacy (part-III).



17.1. Working out Result for D. Pharm Examination

(a) Mode of examination:

Each theory and practical examination in the subject mentioned in table I and II shall be of three hours duration. A candidate who fails in theory or practical examination shall reappear in such theory or practical course(s) as the case may be. Practical examination shall also consist of viva voce (oral) examination.

(b) Award of sessional marks and maintenance of records (Applicable for 2018, 2019, 2020 and 2021 batches only):

A regular record of both theory and practical class work and examinations conducted 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 practical subject shall be allotted the sessional.

There shall be at least three periodic sessional examinations during each academic year. The highest aggregate of any two performances shall form the basis calculating sessional marks.

The sessional marks in practical shall be allotted on the following basis:

| | |
|--|----|
| Actual performance in the sessional examination. | 10 |
| Day to day assessment in the practical class work. | 10 |

(C) Minimum marks for passing the examination: 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 subject/course separately in theory examination, including sessional marks and at least 40% marks in each of the practical examination including sessional marks. i.e. candidate has to appear in internal and external both the part of each course/subject. The candidates securing 60% marks or above in aggregate in all subjects in a single attempt at the Diploma in Pharmacy (part-I) or Diploma in Pharmacy (part-II) examinations shall be declared to have **passed in first class** in the Diploma in Pharmacy (part-I) or Diploma in Pharmacy (part-II) examinations, as the case may be. Candidates securing 75% marks or above in any subjects provided he/she passes in all subjects in a single attempt, will be given **distinction** in that subject(s).

(c) Eligibility for Promotion to Diploma in Pharmacy (Pt. II): All candidates who have appeared for all the subjects and passed the Diploma in Pharmacy in pharmacy part-I class. However failure upto two courses shall be promoted with **Fail** and failure in more than two subjects (each theory course or practical examination shall be considered as a subject) shall debar him/her from promotion (**Fail & not Promoted**) to the Diploma in Pharmacy part-II class. Such candidates shall be examined in the failing subject only at subsequent. A candidate who fails to pass D Pharm Part-I examination in four attempts shall not be allowed to continue the course.



- (e) Certificate of passing examination for Diploma in Pharmacy (part-II): Certificate of having passed the examination for the Diploma in Pharmacy part-II shall be granted by the examining Authority to a successful student.
- (f) Certificate of Diploma in Pharmacy: A certificate of Diploma in Pharmacy shall be granted by the Examining Authority to a successful candidate on producing certificate of having passed the Diploma in Pharmacy part-I and part-II and satisfactory completion of practical training for Diploma in Pharmacy (part-III).

17.2. Marks allocations for D. Pharm:

Marks will be awarded for D. Pharm as per assessment of Part I, Part II examinations

18.1. Appendices (For D. Pharm)

| No | Appendix Document |
|----|---|
| 1. | A typical format for the assessment of an Assignment |
| 2. | A typical format for the assessment of a Field Visit Report |
| 3. | List of instruments and equipment required for the conduct of D. Pharm program as per ER-2020 |



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 any one 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) |



Appendix – 3

List of Instruments and Equipment required for the Conduct of D. Pharm program as per ER-2020

As per ER 2020 regulation;

At least four laboratories specified below should be provided for:

1. Pharmaceutics Lab.
2. Pharm. Chemistry Lab.
3. Physiology, Pharmacology and Pharmacognosy Lab.
4. Biochemistry, Clinical Pathology, Hospital and Clinical Pharmacy Lab.

The institutions shall provide “Model Pharmacy” as per following details

| Model Pharmacy | No. | Area |
|--|-----|--|
| <u>Essential:</u> Running Model Community Pharmacy | 01 | 80 Sq. Mts. (Including 10 Sq. mt. for Drug Information Centre & 10 Sq.mt. for Patient Counselling) |
| <u>Desirable:</u> Drug Model Store | | |

NOTE: Wherever animal experimentations are prescribed in the curriculum, the required knowledge and skill should be imparted by using computer assisted modules. Animal hold area shall be as per the Committee for the Purpose of Control and Supervision of Experiments on Animals (CPCSEA) guidelines.

Practical of Social Pharmacy, Pharmacotherapeutics can be conducted in any one of the laboratories by making necessary provisions.



19.1. Tenure of Programmes :

a) No student from any discipline of D. Pharm. And B. Pharm. shall be permitted to appear at the Diploma or Bachelor's degree examination after the lapse of the periods as specified below:

D. Pharm. : 4 years from the admission to first semester.

B. Pharm. : 8 years from the admission to first semester.

b) Students who have already passed in a course shall not be permitted to appear again for examination in that course to improve the grades.

19.2. Procedure for Applying for Duplicate Mark sheets / Grade Cards

(The duplicate Mark sheet / Grade Card is issued only if the original is lost or stolen)

- a) The application form must be signed by the candidate, and his / her name must be furnished as printed on the Registration Certificate original Grade Cards / Mark-sheets issued by Brainware University.
- b) In case of missing of Mark sheet / Grade Card a copy of the letter acknowledged by the local Police Station, stating loss of the particular Grade Card(s) / Mark-sheet(s) is to be enclosed.
- c) The Requisite fee is **INR. 1000 (Rupees one thousand only) per Grade Card or Mark sheet.**
- d) Xerox copy of the original mark-sheet /grade card should be attached.
- e) Duplicate Grade Cards / Mark-sheets may be collected by the candidate or duly authorised person, whose signature must be attested by the candidate in the letter of authorisation addressed to the Controller of Examinations, normally after **minimum 15 working days from the date of receipt of the filled in application.** The University however reserves the right not to issue any duplicate documents in case it is deemed to be not fit to issue the same.



- f) The documents shall not be delivered by post. It should be collected by the candidate or his/her authorised person. At the time of collecting such Grade Card(s) / Mark sheet(s), the money receipt against submission of requisite fees, Authorization letter, if the candidate cannot come in person, in proper form and photocopy of any authentic photo-identity of the candidate or authorized person, if applicable, are required to be submitted.
- g) The duplicate mark sheet/grade card will be prepared the same as the original one except the inscription of '**DUPLICATE**' on top of the duplicate mark sheet / grade card.

19.3. Degree/ Diploma Certificates: To obtain the degree/ diploma for the courses which the student executed his/her study, he/she would have to clear all the courses from all semesters

The Degree/ Diploma Certificates will be issued by the University on fulfillment of the conditions stated in the Rules & Regulations of the University

19.4. Issue of Transcripts: Transcripts, as and when necessary, will be provided to the pass out candidate. For which the candidate has to apply in the prescribed proforma with requisite fees @ INR 2500 (Rupees Two Thousand Five hundred only) + Postal charges extra (if required). Application proforma and details are available at the university website (<https://www.brainwareuniversity.ac.in/downloadforms.php>). Candidates may download the form and apply for the same to the Controller of Examinations, Brainware University

19.5. Migration certificate: Migration certificate is issued to the pass out candidate by the university. For which the candidate has to apply for the same in prescribed a proforma with requisite fees @ INR 800. The certificate is used when you change your board or university. Application proforma and details are available at the university website (<https://www.brainwareuniversity.ac.in/downloadforms.php>). Candidates may download the form and apply for the same to the Controller of Examinations, Brainware University.



20. Reported against (RA) students:

A student found guilty of misconduct/adopting unfair means including carrying or using mobile phones /electronics gadgets and/or any such behavior/actions which in the opinion of the authority is objectionable, shall be liable to the disciplinary proceedings which will be conducted in accordance with the University Rules and Regulations. The nature of such malpractices committed during the examinations is listed in the Annexure attached.

ANNEXURE

Rules During the conduct of Examinations

- She/he is found to be in possession inside the examination hall of any book, or page of any book, or scribbling, or written note, or typed sheet, that may have a bearing on the subject in which s/he is appearing, irrespective of whether such book, or page of any book, or scribbling, or written note, or typed sheet is used or not, or
- She/he writes answer on another candidate's answer script or helps him/her in any other manner in writing answer on his/her own answer-script or helps him/her in any other manner in writing answer or tries to obtain from, or to render to, any other candidate or any other person inside or outside the examination hall, any help in any manner, or
- She/he leaves the examination hall without submitting answer-script, or
- She/he leaves the examination hall before one hour, taking with him answer-script, or carries from the examination hall the question paper during the hours of examination without submitting the answer script or gets possession of question papers outside the examination hall during the hours of examination or is not found in possession of complete question paper after its distribution in the examination hall or passes or tries to pass the question paper out of the examination hall or leaves the examination hall taking with him/her answer paper or loose sheet, or
- She/he allows somebody else to write answers on his/her behalf during examination, or
- She/he leaves the examination hall without recording his/her attendance on the attendance roll, or
- She/he encloses currency note(s) with an answer-script or offers illegal gratification or inducements to the Invigilator(s) or other persons connected with the examination or, in anyway, tries to take illegal or unfair advantages, or
- She/he distorts his/her name, roll number or registration number in his/her answer-script, or
- She/he is found to be in possession of any question paper or any other paper containing relevant answer or answers written on it, or
- She/he indulges in any kind of misbehavior, or intimidates or attempts to assault, or intimidates an invigilator or any other person connected with the conduct of the examination either inside or outside the examination hall, or damages, or attempts to damage, articles or furniture, equipment, stationery or any other property or the venue or creates disturbances in the venue or refuses to comply with the instruction of the Invigilator regarding seating arrangements in the examination hall, or
- Any page(s) of the written answer-script(s) of a candidate is/are found to have been replaced/torn/mutilated or found to contain handwriting different from that of the candidate, or
- If s/he discloses his/her identity in any manner other than that provided in the answer-scripts.
- She/he attempts to violate any other provisions of the University regulations.

(Rules are regulations subject to change by the order of the appropriate Authority.)