

Shri G. S. Institute of Technology and Science, Indore

Department of Pharmacy

Date: 11/06/2022

Minutes of BOS Meeting

A meeting of Board of Studies was held on 11/06/2022 at 11.00 am in the Department of Pharmacy.

Following members were present in the meeting:

1. Dr. (Mrs.) Meena Tiwari (Chairman)
2. Dr. V. K. Mourya. Principal, (External Expert)
Govt. College of Pharmacy,
Aurangabad,(MS)
3. Dr. Sushant Kumar Shrivastav, (External Expert)
Professor, Dept. of Pharm. Eng. & Tech.,
Indian Institute of Technology (BHU),
Varanasi (UP)
4. Mr. Girish Pargaonkar (Industrial Expert)
Head-OSD Site Operations,
Viatris (Mylan) Ltd, Pithampur, (MP)
5. Dr. (Mrs.) Neha Kawathekar (member)
6. Mr. Suresh Kumar Paswan (member)
7. Mr. Prakash Kumar Soni (member)
8. Mr. Gourav Jain (member)
9. Mr. Shubham Sharma (member)
10. Dr. Rakesh Sagar (member)
11. Dr. Omprakash Tanwar (member)

Following members conveyed their inability to attend the meeting:

1. Dr. Vandana Patravale (External Expert)
Professor, ICT Mumbai (MS)
2. Mr. Ashok Dewangan (Alumnus Expert)
GM- R&D,
Alkem Laboratories, Mumbai (MS)
3. Dr. R. K. Maheshwari (member)
4. Dr. Vineet Singh (member)
5. Dr. Puneet Kumar Samaiya (member)
6. Dr. Sharad Prakash Pandey (member)
7. Dr. Abhishek Kumar Sah (member)

376

3211

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Following resolutions were made:

Item no. 1: The RGPV new ordinance no. 19 (B) for Master of Pharmacy dtd. 03/08/2021 and minutes of RGPV Board of studies (Pharmacy) dtd. 30/12/2021 for further clarifications/resolutions made in compliance to M.Pharm. course Regulation 2014 of Pharmacy Council of India (PCI) and to resolve certain queries raised by Exam section of our institute for examination and result processing related issues were discussed and it was resolved to adopt the RGPV BOS resolutions to address/solve these issues and the same are mentioned below:

1. **Percentage calculation from CGPA:** It was resolved that following formula be approved for calculation of percentage (%) marks from the CGPA:

$$\text{Equivalent Percentage (\%)} = \text{CGPA} \times 10$$

2. **Sessional improvement:** With reference to RGPV ordinance point no. 11, it was resolved that the sessional improvement opportunity would be offered to the students failing in the subject (ATKT case) only once in a particular subject before the next end sem. exam only with following rules:

- i. After display of sessional marks and declaration of semester result, if a student has failed in a subject and wishes to avail sessional improvement then he/she has to apply for sessional improvement.
- ii. Student can apply for sessional improvement in failed subject only. If student is Failed in Theory (or Practical) component, then he can apply for Theory sessional (or practical sessional) improvement separately.
- iii. In addition to this, student opting for sessional improvement in a subject has to fill the end semester exam form as ATKT student and has to appear for end semester exam of that subject also. Student's sessional improvement will not be effective if he/she does not fill end semester exam form.
- iv. Only the recent sessional marks and end sem. marks would be counted no matter whether increased or decreased. These marks will be updated in result of that semester and other subjects marks will be carried forward.
- v. There will be no maximum limit of number of subjects for sessional improvement (in case of ATKT subjects).
- vi. Student will get only one chance for sessional improvement of a subject. He/she can appear for sessional improvement for a subject before next end semester exam. e.g. Sessional improvement of semester-I will be done before the end sem. exam of semester-II. Sessional improvement of semester-II will be done before the end sem.

exam of semester-III. If student misses this chance he will not be allowed to appear in sessional improvement in any other semester.

- vii. Attempts (second attempt) for passing the subject will be counted in sessional improvement also and would be indicated in marksheet.
3. **Mercy attempt:** As per RGPV rules, it was resolved that one mercy attempt for completion of M.Pharm course beyond the maximum 4 year duration would be offered as per rules prevailing in university.
 4. **Division/class in marksheet:** With reference to the point 17 of M.Pharm. ordinance, it was resolved that based on the marks (CGPA) of the student, division (1st, 2nd, etc.) would be awarded in the marksheet instead of class.
 5. **ATKT cases or BA group system:** With reference to Ordinance point 13, it was resolved that (in case of ATKT (being failed in a subject) a student shall be eligible to carry forward all the subject of I and II semesters till the III sem. examinations, however, he/she shall not be eligible to attend/register in the courses of IV semester until all the courses of I, II, and III semesters are successfully completed. After passing all the previous courses of I, II, and III sem., the student would be eligible to attend/register for the IV sem. in the even (B) sem only means there would not be any provision of BA group system for promotion to next semester.
 6. **Seminar /Assignment marks distribution:** It was resolved that in scheme/curriculum of M.Pharm course of 1st and 2nd sem, (the subject "Seminar/Assignment" be treated as Practical subject and the allotted 100 marks would be divided into 25 marks as internal component (to be awarded by teacher involved) and 75 marks as end sem component (to be awarded by a board of teachers))
 7. **Credit points for award of degree:** There are total 93 credits allotted to curriculum subjects as per the scheme, however, minimum 2 extra credits from different co-curricular activities is to be secured, as min 95 credits required for award of M.Pharm. degree with max capping of 100 credits. It is resolved that the earning of extra credits can be earned by fulfilling the criteria for award of credits in co-curricular activities as per the M/Pharm. Course regulation gazette notification of PCI.

Certified copy of all the credit earning certificates as per below criteria along with a certificate from HOD/ Director/ Principal mentioning the total credits earned through co-curricular activities have to be mentioned in IV semester mark-sheet along with thesis project marks.

Table 1: Guidelines for Awarding Credit Points for Co-Curricular Activities

Name of the Activity completed	Maximum Credit Points Eligible / Activity
Participation in National Level Seminar/Conference/Workshop/Symposium/ Training Programs (related to the specialization of the student)	01
Participation in international Level Seminar/Conference /Workshop /Symposium/ Training Programs (related to the specialization of the student)	02
Academic Award/ Research Award from State Level/ National Agencies	01
Academic Award/Research Award from International Agencies	02
Research / Review Publication in National Journals (Indexed in Scopus / Web of Science)	01
Research / Review Publication in International Journals (Indexed in Scopus / Web of Science)	02
Successfully undergone not less than 8 week relevant MOOC certification courses on NPTEL/Swayam platform offered by AICTE /IIT/ IISc/ Central university with prior approval/permission of Principal/HOD.	02
Patents granted	02

Note: International Conference: Held Outside India

International Journal: The Editorial Board Outside India

Item no. 2: As per decision of RGPV BOS (Pharmacy) vide meeting dtd. 30/12/2021 regarding finalization of scheme of M.Pharm. II year, it was resolved to adopt the new updated scheme for M.Pharm. (IP) and M.Pharm. (PC) III and IV sem courses as per RGPV ordinance/BOS meeting and PCI regulations for the batch admitted in 2021-22. The syllabi of M.Pharm IP and PC courses as per PCI notification, which were adopted in previous academic year (2021-22) were corrected for typographical mistakes. The final scheme of M.Pharm. course is enclosed as **Annexure-1**.

Item no. 3: Regarding approval/acceptance of 2 extra credit points to students by co-curricular activities the students can opt to undertake any of such activity listed above in table 1 after prior approval of departmental programme committee. The departmental programme committee can also notify in advance the recognized/standard activities (i.e., journal/conference/award/certificate courses) for the purpose of awarding 2 extra credits.

Item no. 4: Regarding modalities and valuation of seminar/assignment, Journal club, Research work III sem and research work IV activities, it was resolved that:

- (i) In case of seminar/assignment (I and II sem curriculum), the students would be taught about the techniques of preparing and delivering scientific presentations, trained for technical talks/discussion, and would be developed within the abilities for effective seminar/presentations (PPTs & poster modes). After adequate training, each student would be allotted a topic beyond syllabus for preparing and delivering a presentation for valuation purpose.

- (ii) In case of Journal club (III and IV sem curriculum), each student would be allotted one research paper by the concerned teacher and the student would be asked to understand the paper, collect and study required literature in detail on that topic and prepare well for presentation and viva on the allotted paper. Before that the teacher would provide adequate training for writing and understanding scientific/ research papers.
- (iii) In case of research work III sem and IV sem curriculum of M.Pharm. programme, the evaluation of students' performance and award of marks allocated under different heads would be as per the PCI notification of M.Pharm. course regulation 2014.

Item no. 5: As per RGPV ordinance 19 (B), M.Pharm. schemes and in compliance to PCI regulation for M.Pharm. courses, it was resolved that the subject codes of Modern Pharmaceutical Analytical Techniques subject of M.Pharm. (IP) and M.Pharm. (PC) be kept different.

Item no. 6: In compliance to PCI notification for B.Pharm. and M.Pharm. course regulations, it was resolved that one separate program committee be constituted for B.Pharm., M.Pharm. (IP) and M.Pharm. (PC) for smooth regulation/compliance and monitoring purpose of the course.

Item no. 7: Regarding conducting and marking criteria for B.Pharm. project, it was resolved that all the students shall undertake a project under the supervision of a teacher and submit a report. The project shall be carried out in 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 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 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.

Item no. 8: Some new elective subjects namely Pharmaceutical Regulatory Science and Cosmetic Science were offered to B.Pharm. VIII sem students and course objectives and course outcomes of these subjects were designed and incorporated in syllabi.

The meeting ended with the vote of thanks to the chair.

M. Tiwari

Dr. (Mrs.) Meena Tiwari
(Chairman)

Dr. V. K. Mourya

Dr. V. K. Mourya, Principal,
(External Expert)

Dr. Sushant Kumar Shrivastav

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Mr. Girish Pargaonkar

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(Industry Expert)

Dr. (Mrs) Neha Kawathekar

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Mr. Suresh Kumar Paswan

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Mr. Prakash Kumar Soni

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Mr. Shubham Sharma

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Dr. Rakesh Sagar

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Dr. Omprakash Tanwar

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(Member)

381

582

SCHEME FOR M.PHARM. COURSE CURRICULUM (as per PCI regulation)

SEMESTER - I**I YEAR: M. PHARM.(PCI) - Industrial Pharmacy**

S.No.	Subject Code	Subject	Hours per Week						Th. Credit	Pr. Credit	Maximum Marks				
			L			P					TH	CW	SW	Pr.	Total
			L	T	P	L	T	P							
1	PY90002	Modern Pharmaceutical Analytical Techniques	4	-	-	-	-	4	-	-	75	25	-	100	
2	PY98005	Pharmaceutical Formulation Development	4	-	-	-	-	4	-	-	75	25	-	100	
3	PY98006	Novel Drug Delivery Systems	4	-	-	-	-	4	-	-	75	25	-	100	
4	PY98007	Intellectual Property Rights	4	-	-	-	-	4	-	-	75	25	-	100	
5	PY98455	Industrial Pharmacy Practical - I	-	-	-	-	12	-	6	-	-	-	50	100	150
6	PY98583	Seminar/Assignment*	-	-	-	-	7	-	4	-	-	-	25	75	100
*Non-university Exam			16	0	19	16	10	300	100	75	175	650			

SEMESTER - II

S.No.	Subject Code	Subject	Hours per Week						Th. Credit	Pr. Credit	Maximum Marks				
			L			P					TH	CW	SW	Pr.	Total
			L	T	P	L	T	P							
1	PY98505	Advanced Biopharmaceutics and Pharmacokinetics	4	-	-	-	-	4	-	-	75	25	-	100	
2	PY98506	Scale up and Technology Transfer	4	-	-	-	-	4	-	-	75	25	-	100	
3	PY98507	Pharmaceutical Production Technology	4	-	-	-	-	4	-	-	75	25	-	100	
4	PY98508	Entrepreneurship Management	4	-	-	-	-	4	-	-	75	25	-	100	
5	PY98855	Industrial Pharmacy Practical - II	-	-	-	-	12	-	6	-	-	-	50	100	150
6	PY98883	Seminar/Assignment*	-	-	-	-	7	-	4	-	-	-	25	75	100
*Non-university Exam			16	0	19	16	10	300	100	75	175	650			

582

II YEAR: M. PHARM.(PCI) - Industrial Pharmacy

SEMESTER - III

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1		Research Methodology & Biostatistics	4	-	-	4	-	75	25	-	-	100
2		Journal Club	1	-	-	1	-	-	25	-	-	25
3		Discussion/ Presentation (Proposal)	2	-	-	2	-	-	50	-	-	50
4		Research Work	-	-	28	-	14	-	-	-	350	350
Total			7	0	28	7	14	75	100	-	350	525

Non-university Exam

SEMESTER - IV

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1		Journal Club	1	-	-	1	-	-	25	-	-	25
2		Discussion/ Presentation (Proposal)	3	-	-	3	-	-	75	-	-	75
3		Research Work & Colloquium	-	-	31	-	16	-	-	-	400	400
4		Co-curricular Activities*	-	-	-	-	2-7	-	-	-	-	-
Total			4	0	31	4	18-23	100	-	400	-	500

* Credits for co-curricular activities (Minimum 2 and maximum 7 credits) shall be earned during the course.

387

I YEAR: M.PHARM.(PCI) - Pharmaceutical Chemistry

SEMESTER - I

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	PY90002	Modern Pharmaceutical Analytical Techniques	4	-	-	4	-	75	25	-	-	100
2	PY99001	Advanced Organic Chemistry - I	4	-	-	4	-	75	25	-	-	100
3	PY99002	Advanced Medicinal Chemistry	4	-	-	4	-	75	25	-	-	100
4	PY99003	Chemistry of Natural Products	4	-	-	4	-	75	25	-	-	100
5	PY99454	Pharmaceutical Chemistry Practical -I	-	-	12	-	6	-	-	50	100	150
6	PY99481	Seminar/Assignment*	-	-	7	-	4	-	-	25	75	100
*Non-university Exam			16	0	19	16	10	300	100	75	175	650

SEMESTER - II

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1	PY99501	Advanced Spectral Analysis *	4	-	-	4	-	75	25	-	-	100
2	PY99502	Advanced Organic Chemistry - II	4	-	-	4	-	75	25	-	-	100
3	PY99503	Computer Aided Drug Design	4	-	-	4	-	75	25	-	-	100
4	PY99504	Pharmaceutical Process Chemistry	4	-	-	4	-	75	25	-	-	100
5	PY99855	Pharmaceutical Chemistry Practical-II	-	-	12	-	6	-	-	50	100	150
6	PY99883	Seminar/Assignment*	-	-	7	-	4	-	-	25	75	100
*Non-university Exam			16	0	19	16	10	300	100	75	175	650

385

II YEAR: M. PHARM.(PCI) – Pharmaceutical Chemistry

SEMESTER - III

S.No.	Subject Code	Subject*	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1		Research Methodology & Biostatistics*	4	-	-	4	-	75	25	-	-	100
2		Journal Club	1	-	-	1	-	-	25	-	-	25
3		Discussion/ Presentation (Proposal Presentation)	2	-	-	2	-	-	50	-	-	50
4		Research Work	-	-	28	-	14	-	-	-	-	350
Total			7	0	28	7	14	75	100	-	-	525

Non-university Exam

SEMESTER - IV

S.No.	Subject Code	Subject	Hours per Week			Th. Credit	Pr. Credit	Maximum Marks				
			L	T	P			TH	CW	SW	Pr.	Total
1		Journal Club	1	-	-	1	-	-	25	-	-	25
2		Discussion/presentation (Proposal Presentation)	3	-	-	3	-	-	75	-	-	75
3		Research Work & Colloquium	-	-	31	-	16	-	-	-	-	400
4		Co-curricular Activities*	-	-	-	-	2-7	-	-	-	-	-
Total			4	0	31	4	18-23	-	100	-	-	500

* Credits for co-curricular activities (Minimum 2 and maximum 7 credits) shall be earned during the course.

385