

# Savitribai Phule Pune University

(Formerly University of Pune)

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Director,  
Board of Examinations and Evaluation,  
Savitribai Phule Pune University,  
Ganeshkhind - 411 007  
Email : [bee@pun.unipune.ac.in](mailto:bee@pun.unipune.ac.in)

Ref. Exam /MIC/27

Date: 11th May, 2021

To

The Principals,

All affiliated colleges (Pune, Ahmednagar and Nashik Districts)

**Sub:** Request to follow the guidelines for the evaluation of candidates for the Practical /oral/term work/seminar/mini-project /project and dissertation examinations under the Faculty of Science and Technology, Savitribai Phule Pune University.

Sir/Madam,

As per the instructions received from the Honorable Dean-Faculty of Science and Technology, Savitribai Phule Pune University the guidelines prepared by concerned Board of Studies/Faculty of Science and Technology for the evaluation of candidates for the Practical/oral/term work/seminar/mini-project/project and dissertation examinations are attached herewith for your information and implementation at the affiliated colleges having Science, Engineering and Pharmacy programs.

It is requested to go through these details and issue necessary instructions to all concerned staff members to act accordingly.

Yours

Director

Board of Examinations and Evaluation  
Savitribai Phule Pune University



**Guidelines and modus-operandi for conducting and evaluation of  
Practicals for UG and PG under Savitribai Phule Pune University for  
Faculty of Science and Technology**  
(For Science only)

The modus-operandi of teaching and evaluation of the practicals to be conducted virtually for the academic year 2021-22.

Two major concerns to be adopted and followed

**I. Teaching of Practical**

1. Minimum 60% of the practical/experiments to be covered from each semester viz. F.Y, S.Y, T.Y, M.Sc.(I) and M.Sc.(II) as per decided by the respective BOS. List of experiments to be provided by BOS
2. The following virtual/online mode Practical teaching may be adopted depending on the availability of the resources
  - i. The following procedure to be taken up by the teacher to teach each experiment.

Theoretically prepare each model of experiment with details of

1. Title
  2. Aim
  3. Apparatus
  4. Theory
  5. Concept
  6. Experiment
  7. Observations
  8. Results and Conclusion
  9. Significance of the experiment
- ii. If possible, support and prepare the experiment with demonstration with the help of video clip, audio clip, PPT and mention the details about the experiment
  - iii. Readily available online modules of the experiments from any other resource may be used and made available to the students for better understanding of the experiments



3. For online practical teaching, 100% theoretical aspects or 50% theory and 50% demonstrations (video/audio) or 100% demonstration may be adopted by the teacher to teach the experiment
4. After explaining the experiment, a question/answer session may be conducted by the respective teacher
5. Teacher should keep the open time slot for queries of the students regarding the experiment
6. Student should submit the soft copy of the practical sheets mentioning the points in the clause of teaching of practicals 2(i)
7. Project to be taken by the teacher by conducting online/virtual activities like topic selection, defining the problem, literature survey, review work/writing followed by the sequence of the project as Title, Background, Objective, Significance, Importance, Applications, Methods and Materials, Experimental details, Results, Discussion Conclusion and References. Students should submit soft copy of the project report/dissertation/activity report in PDF format to the respective guide, teacher or examination section of the college/department

## **II. Evaluation / Examination [Internal / External]:**

1. Evaluation of the student to be taken up 100% online or virtual mode in the form of viva or oral with turning on the video facility of the student
2. Initially ask the student about how many experiments he/she has understood and also ask him / her to list the said experiments and encourage him/her to start and explain the experiment which he/she is more comfortable with.
3. Teacher should expect from the students to explain the following theoretical aspects of experiments
  - Title
  - Aim
  - Apparatus
  - Theory
  - Concepts
  - Experiment
  - Observations

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- Results and conclusion
  - Significance of the experiment
4. After explaining the full experiment theoretically by the student, then ask him / her few conceptual questions based on the experiment
  5. The same procedure for the viva may be repeated for another experiments
  6. Project evaluation be given by the students online in the form of presentation by preparing PPT of the project topic mentioning Title, Background, Objective, Significance, Importance, Applications, Method and Materials, Experimental details, Results, Discussion and Conclusion and explain accordingly. Examiners should ask few questions based on the project work
  7. Finally give the marks (Internal /External) as prescribed by the university examination rules

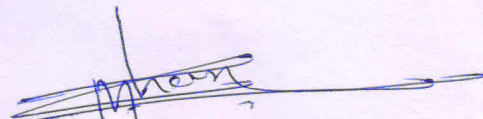


Prof. Sanjay Dhole

Chairman,

Committee for Guidelines for Virtual Practicals

SPPU



Prof. Manohar Chaskar

Dean,

Faculty of Science and Technology

SPPU

Dean

Faculty of Science & Technology  
Savitribai Phule Pune University, Pune



To,  
Dean, Faculty of Science and Technology  
SPPU  
Date: 4th May 2021

Reference: Status Practical course conduction for semester-I AY 2021 and PR/OR examinations....

Respected Sir,

As instructed by you during Faculty (Engineering) meeting conducted on 30<sup>th</sup> April, we have collected information from various chairman (Board of Studies) of Engineering to know the status of conduction of laboratory courses at various engineering disciplines, opinion about practical/oral examination conduction and plan for conduction of labs for semester II. Following is summary of information collected from various BOS chairman-

- **Status of Laboratory Course conduction for Sem-I AY 2020-21:**

80-90 % Lab experiments/lab assignments are conducted in online mode using Virtual Platform like Virtual lab, You-tube video, simulation, MOOC platform, video recording of Practical, Programming, study experiments and offline mode.

- **PR/OR Examination Sem-I AY 2020-21:**

PR/OR exam for Sem-I can be conducted in online mode.

- **Suggestion for Lab courses of Semester-II:**

Sem-II Lab courses can be conducted with online mode using Virtual Platform like Virtual lab, simulation, MOOC platform, video recording of practical, YouTube videos, Programming, and if situation permits may be conducted offline.

From above facts, the observations are as-

1. Most of the disciplines have completed 80 to 90% of laboratory courses for semester-I AY 2021.
2. BoS chairman have agreed and showed readiness for conduction PR/OR exam conduction with online mode.
3. Sem-II Lab courses can be conducted with online mode and if situation permits may be conducted offline.

**Recommendation:**

- It is recommended that Practical /oral examination for semester I of academic year 2020-21 for engineering can be conducted in ONLINE MODE as per circular 04/2021 dated 16th March 2021.

Since we have collected the information from BoS chairmen, there may be few colleges or students who failed to conduct or complete the laboratory courses (may be rare case). In such case, laboratory course conduction should be completed by respective college and then examination should be conducted.

- As per feedback received from chairmen of BOS, University may instruct colleges that 'Semester-II Lab courses can be conducted with online mode and if situation permits may be conducted offline.'

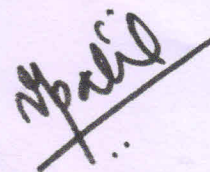
We are thankful for giving us honor and opportunity.



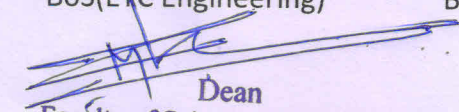
Dr. S. S. Pardeshi  
Chairman  
BoS(Mechanical Engineering)



Dr. D. S. Bormane  
Chairman  
BoS(ETC Engineering)



Dr. V. H. Patil  
Chairman  
BoS(Computer Engineering)



Dean  
Faculty of Science & Technology  
Savitribai Phule Pune University, Pune

Engg 1/1



### Report of the Meeting

This is with reference to the discussion held in the Pharmacy BOS Chairmans meeting held on 30<sup>th</sup> April 2021 at 12.00 noon under the chairmanship of Dr. Manohar Chaskar, Dean, Faculty of Science & Technology, Savitribai Phule Pune University, Pune.

The report of the meeting is as follows:

1. It has been decided to instruct all the pharmacy colleges to complete the practical syllabus of all the subjects using online/offline methods.
2. It has been decided in the meeting that the practical examinations of Pharmacy discipline of SPPU to be taken online as per the schedule given by SPPU from time to time for both the terms.
3. It is also decided to enter the marks for both the terms final practical examination of pharmacy discipline at the end of second term examination.
4. It is also decided to use the uniform pattern of evaluation students for practical as given below.

#### University Practical Examination Academic Year (2020-21)

##### F.Y/S.Y and T.Y B. Pharm (2018/2019 Pattern) (2020-21)

Total marks for practical :	35 Marks
1. Synopsis (MCQ) :	15 marks
2. Experiment (Major/Minor) :	15 Marks
(Case studies/ practical calculation/Interpretation/ problem based)	
3. Students-teacher interaction (viva-voce):	05Marks

The total duration of Practical examination will be of 3 hours / Class of 60.

##### Final .Y B. Pharm (2015 Pattern) (2020-21)

Total marks for practical:	60 Marks
1. Synopsis (MCQ) :	20 marks
2. Experiment (Major/Minor) :	30 Marks
(Case studies/ practical calculation/Interpretation/ problem based)	
3. Students-teacher interaction (viva-voce):	10 Marks

*Chitlange*

*[Signature]*

Dean

Faculty of Science & Technology  
Savitribai Phule Pune University, Pune

*[Signature]*  
6/5/2021

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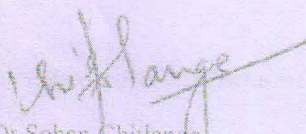


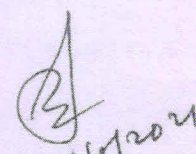
The total duration of Practical examination will be of 3 hours / Class of 60.


M. Pharm Sem I/II (2019 Pattern) (2020-21)

Total marks for practical :	100 Marks
1. Synopsis (MCQ) :	25 marks
2. Experiment (Major/Minor) : (Case studies / practical calculation/ Interpretation / problem based)	60 Marks
3. Students-teacher interaction (viva-voce):	15 Marks

The total duration of Practical examination will be of 3 hours / Class of 15.

  
Dr Sohan Chitlange  
(BOS-Chairman)  
Pharmaceutical Chemistry

  
6/5/2021  
Dr C.D. Upasani  
(BOS-Chairman)  
Pharmacology

  
**Dean**  
Faculty of Science & Technology  
Savitribai Phule Pune University, Pune ;

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