

Department of Medical Elementology and Toxicology
School of Life and Chemical Sciences
JAMIA HAMDARD, NEW DELHI 110062

July 17, 2021

Minutes of Board of Studies (BoS) Meeting

A meeting of Board of Studies (BoS) of the Department of Medical Elementology and Toxicology, SCLS was convened on 17th July, 2021 at 11:00 a.m. online through Google Meet. The following were present:

1. Prof. K. H. Reeta, AIIMS	Expert Member
2. Prof. Waseem Ahmad Siddiqui, AMU	Expert Member
3. Prof. Suhel Parvez, JH	Member
4. Dr. Haider A. Khan, JH	Member
5. Dr. Basir Ahmad, JH	Member
6. Prof. S. Raisuddin, HoD	In-chair

At the outset, Prof. Raisuddin welcomed the members of the BoS and appraised them about the academic progress of the Department including status of admission and examination. The members deliberated on the agenda of the meeting and resolved as follows.

1. **Matter related to B.Sc.-M.Sc. – Integrated programme with regard to award of degree, span period, and nomenclature of degree**

The Chairman BoS, Prof. S Raisuddin introduced the ongoing B.Sc.-M.Sc. Integrated programme to members and external expert and explained the merits and limitations of the integrated programme. Due to no-exit option after three years (after completed B.Sc. component), students are not showing keen interest in the course as they want to have an exit option to pursue further studies in other discipline(s) at post-graduate level or appear for competitive tests. It was agreed upon by all the members that the programme could be tuned to provide an exit option and they may awarded two degrees one of B.Sc. (Hons) course and the other of M.Sc. course. The following has been resolved in this regard.

Concerning the B.Sc.-M.Sc. Integrated Programme in Toxicology, BoS of the Department of Medical Elementology & Toxicology held on 17/07/2021 at 11:00 am (online) resolved that the programme may be called as B.Sc.-M.Sc. Dual degree programme. It was further resolved that all students in this programme clearing the sixth semester may be awarded the B.Sc. degree (the maximum span period for which will be six years). Those who wish to continue may be given a fresh admission to M.Sc. Semester I only after clearing all papers. Such students can be treated as per the M.Sc. Bylaws.

Hence, passed out students of Integrated Programme under Dual Degree will be awarded two degrees- B.Sc. (Hons) and M.Sc.

The Course and Examination Bylaws will be accordingly revised, if required.

2. **Matter related to Foundation Course with regard to its relevance, utility and logistics to conduct the classes**

Members were appraised about the introduction of Foundation Course in M.Sc. programme a few years ago. The Foundation Course syllabus includes fundamentals of basic science subjects such as Biochemistry, Botany, Chemistry, Physics, Biotechnology, Toxicology and Biostatistics. It has been observed that since there is an Integrated B.Sc.-M.Sc. course in

logistics issues to manage large number of students in batch (120 odd) of all Masters Course.

Members were of view that in order to avoid duplication of efforts it would be appropriate to scrap Foundation Course in M.Sc. (Toxicology) w.e.f. the next academic session (2021-22). However, it should be ensured that those students who have backlog should be provided opportunity to clear the paper within the span period as per course bylaws. It was resolved that the credits of Foundation Course may be re-allocated by introduction of course-specific papers.

3. Examination and teaching schedule

It was resolved that examination for the current semester students and teaching for the upcoming semester will be scheduled according to UGC Guidelines as adopted by Jamia Hamdard keeping in view the prevailing COVID-19 situation.

4. Proposal of 'Certificate Course in Forensic Toxicology' in a blended mode (online/offline)


A proposal for Certificate Course in Forensic Toxicology in blended (online/offline mode) was discussed. Such a course may be of interest to professionals engaged in the field of forensic science, police and investigative services. Members appreciated the proposal and advised the Chairman to bring a detailed proposal, syllabus, and requirement of faculty and facilities including revenue model of the course for consideration at the next meeting of the BoS.

5. Requirement of teaching staff

The Chairman informed the Members that in the last two years two senior teachers (Professors) have superannuated and one junior teacher (Assistant Professor) has resigned leading to an acute shortage of faculty. Currently, out of 13 positions there are only four teachers in place. One among four faculty members is a UGC-Recharge Faculty Assistant Professor. The Department attempted to hire guest faculty. However, being a guest faculty they do not offer much needed value. Members were of view that adequate faculty strength should be supplemented by hiring 4-5 teachers on regular appointment or on long-term contract to teach B.Sc. and M.Sc. students and conduct practical classes. Recruitment may be completed before the commencement of new session that is 2021-22.


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



(Prof. K.H. Reeta)


(Prof. W.A. Siddiqui)


(Dr. Basir Aham)


(Dr. Haider A. Khan)


(Prof. Suhel Parvez)


(Prof. S. Raisuddin)
Chairman

DEPARTMENT OF MEDICAL ELEMENTOLOGY AND TOXICOLOGY
School of Life and Chemical Sciences
JAMIA HAMDARD, NEW DELHI 110062

April 10, 2021

Minutes of Board of Studies (BoS) Meeting

An online meeting of BoS of Department of Medical Elementology and Toxicology was convened on April 10, 2021 at 11:00 a.m. through the platform of Google Meet. The following were present:

- | | |
|--------------------------------|----------|
| 1. Prof. K. H. Reeta | Expert |
| 2. Prof. Waseem Ahmad Siddiqui | Expert |
| 3. Prof. S. Raisuddin | Member |
| 4. Dr. Haider A. Khan | Member |
| 5. Dr. Basir Ahmad | Member |
| 6. Prof. Suhel Parvez | Chairman |

At the onset of the meeting Prof. Suhel welcomed the members of the BoS. He appraised the members of the BoS about the progress of the Department at various platforms. Prof. Suhel also appreciated keen interest and support of the Hon'ble Vice Chancellor for various activities of the Department. The Chairman presented the agenda items before the members for deliberations.

BS1. Confirmation of minutes of previous BoS meeting

The minutes of the last meeting held on 14th August 2019 were approved by the Competent Authority and were notified to the Members. Members were informed that minutes have also been approved by the Standing Committee of the Academic Council of the University.

BS2. Revision of Syllabus of UG and PG programs of Department

The experts perused the existing Syllabus of M.Sc. and B.Sc (Toxicology). Based on feedback and inputs from students (existing and passed-out), opinion of subject experts from academia and industry it was proposed that changes may be made in the existing syllabus to increase the employability as well as broaden the horizon of future students to take up research in Toxicology and interdisciplinary fields. Experts and members of BoS also offered suggestions regarding revision of the syllabus. The chair elaborated all the modifications by one which considered by the committee and approved following discussion:

Suhel Parvez

Basir Ahmad

Raisuddin

1

Waseem Ahmad Siddiqui

K. H. Reeta

a. **Syllabus of PG programs**

Following changes were agreed on by all the members and experts of BoS:

- The paper, Principles of Toxicology and Systemic Toxicology (MTX-101) was modified to Systemic Toxicology (MTX-101). The Principal of Toxicology component has been covered in the Foundation Course. The experts suggested that the Principles of Toxicology is the prerequisite for M.Sc. Toxicology course and it should be taught to the students in the Foundation Course.
- As per the committee suggestion, the paper, Molecular and Biochemical Basis of Toxicology (MTX-102) was renamed as Molecular Basis of Toxicology (MTX-102). A new paper entitled Biochemical Basis of Toxicology was introduced in syllabus of BSc Toxicology since it is more fundamental and basic in nature.
- The paper Food, Drug and Cosmetics Toxicology (MTX-201) was renamed as Food and Cosmetics Toxicology (MTX-201) and the contents of the course was modified accordingly. The Drug Toxicology paper will be taught as an independent paper in B.Sc. as this will complement the other papers focused on Pharmacology.
- Given the significance of Regulatory and Methods of Toxicology, the paper was split into two full papers: Regularity Toxicology (MTX-301) and Methods of Toxicology (MTX-302). The paper, Fundamentals of Intellectual Property Rights was revised and renamed as APPLICATIONS OF INTELLECTUAL PROPERTY RIGHTS (MTXOE-302) to provide more emphasis on the applications of IPR. Fundamental Aspects of IPR will be taught in B.Sc. Toxicology.

b. **Syllabus of UG Program**

- As per the committee suggestion, the paper, Molecular and Biochemical Basis of Toxicology (BTX-CC09) was converted into Biochemical Toxicology (BTX-CC09TH). Molecular Toxicology portion was introduced as Molecular Toxicology in PG program.
- The paper, Drug and Food toxicology (BTX-CC10) was revised and named as Drug Toxicology (BTX-CC10Th). The food portion of syllabus was moved to another PG program as Food and Cosmetics Toxicology (MTX-201).
 - Two laboratory courses Toxicology Lab-1 (BTX-CC01P) and Toxicology Lab-II (BTX-CC08P) were introduced in semesters III and Semester V, respectively. These labs covers experiments on

Sh. P. B. B.

Toxicology

1. 1. 1.

Base 2

Ranish

fundamental toxicology and its application in other interdisciplinary subjects like Pharmacology.

- As per suggestion of expert members, a new course Pharmacovigilance and Risk Management (BTX-CC19TH) was included in V semester of UG Program.
- As per UGC Guidelines for Higher Education institutions with letter no. D.O. No.4-6 / 2020(NSQF) dated 7th December 2020 a semester project (BTX-CC19) was approved in semester VI. The chair emphasized that the competencies demanded by the industry need to be embedded in our university curriculum so that the employment-employability gap is overcome.

Schemes and Detailed syllabus of revised UG and PG Courses are attached as Annexures I and II respectively.

BS3. Current status of Faculty Members of the Department

Prof. Parvez informed all the members about the current status of faculty and teachers at the Department. The committee was informed that there are three permanent faculty on sanctioned positions and one faculty under UGC-Faculty Recharge Scheme. There are two guest faculties engaged for Rs. 25,000 per month for the current semester of academic session 2020-21. Both the expert members felt that with such exhaustive syllabus of UG and PG programs of the Department, recruitment of regular members should be done at the earliest. As the recruitment of regular teachers will take substantial time, it was agreed by all the members that instead of guest faculty at least two contractual faculty members should be appointed for the next academic year, 2021-22.

BS4. Project/Placement status of the Department

Prof. Parvez updated the Committee about the student's placement status of the Department. He informed that the placement of the PG students and PhD scholars is satisfactory as most of our students get placed either in Academia or industry. It is very encouraging that PG students were offered very attractive packages in the previous academic session.

BS5. Examiners for lab courses and dissertations

The Chairman, presented the panel of examiners for the students appearing in B.Sc-M.Sc (Toxicology) integrated course Semesters IV and VI and M.Sc. (Toxicology) Semesters II & IV appearing end semester examination to be held in May 22 - June, 10, 2021 and in August, 2021 for kind perusal/inputs and recommendation of the members/invitees of the BoS, if any. After deliberation, the committee made necessary minor corrections and recommended the panel.

H. Parvez

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


(Prof. K.H. Reeta)


(Prof. W.A. Siddiqui)


(Prof. S. Raisuddin)


(Dr. Basir Ahmad)


(Dr. Haider A. Khan)


(Prof. Suhel Parvez)

Department of Medical Elementology and Toxicology
School of Chemical and Life Sciences
JAMIA HAMDARD, NEW DELHI 110062

1801-15

6/10/17

October 03rd, 2017

Minutes of Board of Studies (BoS) Meeting

A meeting of BoS of Department of Medical Elementology and Toxicology was convened on 18th October, 2016 at 10:30 a.m. in the Board Room of IQAC. The following were present:

- | | |
|----------------------------|---------------|
| 1. Prof. Ehsan A. Khan | Member |
| 2. Prof. Sarwat Sultana | Member |
| 3. Prof. S. Raisuddin | Member |
| 4. Prof. Moshahid A. Rizvi | Expert Member |
| 5. Dr. Haider A. Khan | Member |
| 6. Dr. Suhel Parvez | Chairman |

Prof. Sajid Hossain could not attend the meeting due to non-confirmation of train ticket.

At the onset of the meeting Dr. Parvez welcomed the members of the BoS. He apprised the members of the BoS about the progress of the Department at various platforms. The Chairman presented the agenda items before the members for deliberations.

MINUTES OF LAST BoS MEETING

The minutes of the last meeting held on 15th February 2017 were approved by Competent Authority. It was notified to the Members.

APPROVAL OF LIST OF EXAMINERS FOR SEMESTERS I and III

The approval of examiners of Semesters I III were done as per the attached list (Annexure-I)

S. Sultana
3/10/17

MA Rizvi
3/10/17

R. Rizvi

B.Sc.-M.Sc. INTEGRATED PROGRAM IN SCHOOL OF CHEMICAL AND LIFE SCIENCES

The School for Chemical and Life Sciences have started the B.Sc.-M.Sc. Integrated 5 year program from this academic session (2017-18). As only three students were admitted in the B.Sc. (Toxicology) program it is kindly proposed that being a specialized discipline the PG and doctoral programs should be continued. Keeping in view of the interest of students in mind the UG program of Toxicology is recommended to be discontinued. However all the faculty members agreed to contribute to teaching of the B.Sc. course of School of Chemical and Life Sciences.

CANCELLATION OF Ph.D. REGISTRATION OF RESEARCH SCHOLARS

The Doctoral Committee of research scholars have been discontinued. Student Research Advisory Committee has been recommended to be constituted as per new Ph.D. bye-laws of Jamia Hamdard. There are a few scholars who were admitted under old bye-laws and as the provision of Doctoral Committee is not there. The BoS suggested the following recommendations:

The registration of the following Ph.D. scholars may be cancelled due to the reasons specified:

1. Mr. Govil Patil (Date of Admission: 20.09.2010): The admission of Mr. Patil may be treated as cancelled due to his untimely demise.
2. Ms. Priyanka Chhabra (Date of Admission: 31.05.2011): Ms. Chhabra did not report after admission.
3. Ms. Shruti Kaushik (Date of Admission: 30.11.2012): Ms. Kaushik did not report after admission.
4. Ms. Hemlata Chouhan (Date of Admission: 14.11.2013): Supervisor at NloP has requested registration to be cancelled. Ms. Chouhan will be communicated the same and asked to report within three weeks that why her admission may not be cancelled as recommended by supervisor. She may asked to furnish a document with recommendation from her supervisor at NloP as to whether he will continue to act as a supervisor.

Ph.D. SCHOLARS REGISTERED AT NATIONAL INSTITUTE OF PATHOLOGY

The committee members of BoS observed that the research scholars under Mol-I category registered at NloP are not regular in fees submission or submitting their progress reports. The members suggested that Director, National Institute of Pathology, Department of Toxicology at Jamia Hamdard. The members suggested that Director, National

04

NA
03/10/17

S. Sultan
3/10/17

communicated of the same and appropriate action may be initiated at supervisor's end to ensure timely fees submission and progress report.

Submitted for kind approval.



(Prof. Ehsan A. Khan)
Member


3/10/17

(Prof. Sarwat Sultana)
Member



(Prof. S. Ratsuddin)
Member


3/10/17

(Prof. Moshahid A. Rizvi)
Expert


3/10/17

(Dr. Haider A. Khan)
Member


3/10/17

(Prof. Suhel Parwez)
Expert

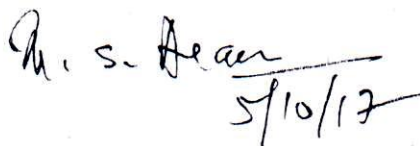
Submitted for kind approval.



Prof. Suhel Parwez
Head, Department of Toxicology

Forwarded by:

Dean, Faculty of Science


5/10/17

Hon'ble Vice Chancellor


06/10/17

Department of Medical Elementology and Toxicology

Faculty of Science

JAMIA HAMDARD, NEW DELHI 110062

March 30, 2016

Minutes of Board of Studies (BoS) Meeting

A meeting of BoS of Department of Medical Elementology and Toxicology was convened on 30th March, 2016 at 10:30 a.m. in the Department. The following were present:

- | | |
|------------------------|----------|
| 1. Prof. Ehsan A. Khan | Member |
| 2. Prof. S. Raisuddin | Member |
| 3. Prof. A.K. Tripathi | Expert |
| 4. Dr. Sarwat Sultana | Member |
| 5. Dr. Haider. A. Khan | Member |
| 6. Dr. Arshad Khuroo | Expert |
| 7. Dr. Suhel Parvez | Chairman |

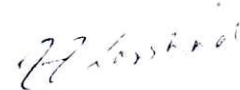
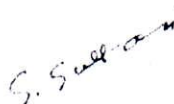
At the onset of the meeting Dr. Parvez welcomed the members of the BoS. He appraised the members of the BoS about the progress of the Department at various platforms. The Chairman presented the agenda items before the members for deliberations.

MINUTES OF LAST BoS MEETING

The minutes of the last meeting held on 27th October, 2015 were approved by Competent Authority and approved from the Academic Council. It was notified to the Members.

APPROVAL OF SYLLABUS FOR CHOICE BASED CREDIT SYSTEM (CBCS) AS PER UGC REGULATIONS

In view of instructions of UGC regarding implementation of CBCS in Universities from academic session 2015-16, the BoS had approved its implementation in its meeting held on 18th July, 2015. The syllabus for the courses (core, discipline centric elective and open elective) proposed as follows:



Semester I (One Foundation Course, Two Core Theory Papers and One Core Lab Course)

Total 24 credits)

- The syllabus of **Foundation Course (MFC-001)** is uniform among all the Departments of Faculty of Science. The syllabus was approved as proposed before. However it was suggested that the students of M.Sc. (Toxicology) may be exempted from studying an entire unit of Toxicology in Foundation course and this may be discussed as an agenda item in next Faculty Committee meeting.

However, in order to retain the credit balance in alternate module may be prepared and put up to BOS under CBCS.

- The syllabus of the paper, **Principles of Toxicology and Systemic Toxicology (MTX-101)** has been designed in such a way that it encompasses the key aspects of principles of toxicology, mechanism of action of chemicals as well as the hepatic and nephrotoxicity associated with these chemicals.
- The paper entitled, **Molecular and Cellular Basis of Toxicology (MTX-102)** is focusing on vital cellular and molecular processes, features of cell signaling, receptor mediated cellular toxicity and current trends and tools in understanding the subject.
- The syllabus of **Lab Course – I (MTX-103)** was not altered.

Semester II (Three Core Theory Papers, One Core Lab Course, One Discipline Centered

Elective and Three Open Electives: Total 24 credits)

- The syllabus of **Food, Drug and Cosmetic Toxicology (MTX-201)** has important information about the toxicological aspects of food, drugs and cosmetics. The components of earlier two papers (Food Toxicology and Drug & Cosmetic Toxicology) has been merged. The syllabus of **Forensic Toxicology (MTX-202)** has not been changed. The syllabus of two previous papers (Pesticide & Heavy Metal Toxicology and Occupational Toxicology) have been merged and renamed as **Pesticide, Heavy Metal and Occupational Toxicology (MTX-203)**. The syllabus of **Lab Course-II (MTX-204)** was not changed.

Handwritten signatures:
H M
S. S. ...
...
E A Khan

- The syllabus of Discipline Centric Elective, **Fundamentals of Biostatistics (MTX DCE-201)**, has been designed to incorporate measures of central tendency, correlation and regression analysis, hypothesis testing of categorical and ranked data. The three open electives **Neurotoxicology (OE-201)**, **Ecotoxicology (OE-202)** and **Animal Welfare in Toxicology (OE-203)** will be offered to both students from the M.Sc. (Toxicology) program and from other Departments or Faculties of Jamia Hamdard who can opt for these courses to enhance their knowledge in a particular field of interest.

Semester III (Three Core Theory Papers, One Core Lab Course, Two Discipline Centered Electives and Two Open Electives: Total 24 credits)

- The syllabus of **Applied Statistics (MTX-301)** has been designed to incorporate key and advanced statistical tools that are very important for students in its core application in scientific research. The syllabus of **Regulatory and Methods of Toxicology (MTX-302)** has not been changed. The syllabus of **Carcinogenesis and Teratogenesis (MTX-303)** has also not been changed. The syllabus of **Lab Course-III (MTX-304)** was not altered.
- Two Discipline Centric Electives, **Toxicogenomics and Toxicoproteomics (MTX DCE-301)** and **Pre-clinical Toxicology for Drug Development (MTX DCE-302)** will give students an overview on the applications of Toxicology in both scientific research as well as in the R&D of an industrial set up. The two open electives **Elements in Health and Disease (OE-301)** and **Fundamentals of Intellectual Property Rights (OE-302)** will be offered to both students from the M.Sc. (Toxicology) program and from other Departments or Faculties of Jamia Hamdard.

Semester IV (Dissertation and Seminar: Total 20 credits)

- In semester IV, **Dissertation (MTX-401)** will be an entire semester project work/dissertation. There will be also **Seminars (MTX - 402)** that a student has to give (one in each year).

*one year
is too little.
May be reconsidered.*

*S. Sultan
H. H.*


Adipati

H. H. H. H.

The detailed syllabus is given in Annexure - I.

APPROVAL OF LIST OF EXAMINERS FOR SEMESTERS II and IV

The approval of examiners of Semester II and IV were done as per the attached list (Annexure-II)


30.3.2016

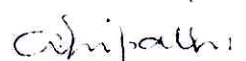
(Prof. Ehsan A. Khan)

Member



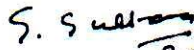
(Prof. S. Raisuddin)

Member



(Prof. A.K. Tripathi)

Expert


30.4.16

(Dr. Sarwat Sultana)

Member



(Dr. Haider A. Khan)

Member



(Dr. Arshad Khuroo)

Expert


30/3/16

(Dr. Suhel Parvez)

Chairman

Submitted for kind approval.


30/3/16

Dr. Suhel Parvez

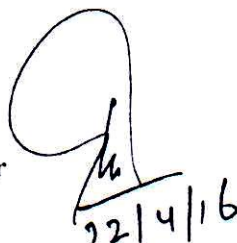
Head, Department of Toxicology

Forwarded by:

Dean, Faculty of Science


13/4/16

Hon'ble Vice Chancellor


22/4/16

Department of Medical Elementology and Toxicology
Faculty of Science
JAMIA HAMDARD, NEW DELHI 110062

October 18, 2016

Minutes of Board of Studies (BoS) Meeting

A meeting of BoS of Department of Medical Elementology and Toxicology was convened on 18th October, 2016 at 10:30 a.m. in the Board Room of IQAC. The following were present:

- | | |
|------------------------|----------|
| 1. Prof. Ehsan A. Khan | Member |
| 2. Prof. S. Raisuddin | Member |
| 3. Prof. A.K. Tripathi | Expert |
| 4. Dr. Haider. A. Khan | Member |
| 5. Dr. Suhel Parvez | Chairman |

Dr. Sarwat Sultana could not attend the meeting due to health reasons.

At the onset of the meeting Dr. Parvez welcomed the members of the BoS. He apprised the members of the BoS about the progress of the Department at various platforms. The Chairman presented the agenda items before the members for deliberations.

MINUTES OF LAST BoS MEETING

The minutes of the last meeting held on 30th March 2016 were approved by Competent Authority. It was notified to the Members.

TRAINING AND PLACEMENT OF M.Sc. (TOXICOLOGY) STUDENTS

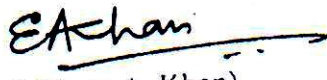
Two companies Evalueserve and Agrowallied have agreed to conduct orientation sessions in the Department and evaluate students for training program/dissertations. They have also given their consent for possible placements in their companies for M.Sc. (Toxicology). These activities have been planned to be held in October-November 2016.


APPROVAL OF LIST OF EXAMINERS FOR SEMESTERS I and III

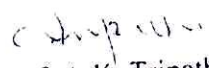
The approval of examiners of Semesters I III were done as per the attached list (Annexure-I)


APPROVAL OF LIST OF JOURNALS TO BE SUBMITTED TO UGC


The approval of list of journals to be submitted to UGC were done as per the attached list (Annexure-II).


(Prof. Ehsan A. Khan)
Member



(Prof. S. Raisuddin) S/A
Member


(Prof. A.K. Tripathi)
Expert


(Dr. Haider A. Khan)
Member


(Dr. Suhel Parvez)
Chairman

Submitted for kind approval,


Dr. Suhel Parvez
Head, Department of Toxicology

Dean, Faculty of Science