



CENTRE FOR BIOTECHNOLOGY
EWING CHRISTIAN COLLEGE
(AN AUTONOMOUS CONSTITUENT COLLEGE UNIVERSITY OF ALLAHABAD, PRAYAGRAJ)

No. BoS Min/Biot/CoC/1/2020

Date: - 15.01.2021

Minutes of the Meeting

The meeting of the Board of Studies in Biotechnology, Ewing Christian College, Prayagraj held on **Friday 15th January 2021 at 1:30, pm** in the Seminar room of the Botany Department, E.C.C

1. **Prayer:** Dr. A. S. Moses/Mr. X. Kuncheria lead the meeting in prayer
2. **Roll call:** Following members were present in the meeting

Prof G. Kumar, Prof. D.K. Chauhan, Prof. M. P. Singh, . Prof Shanty Sundaram, Prof. Shivesh Sharma, Dr. A. S. Moses, Dr. V. Mushran, Dr. (Mrs) S. Chaturvedi, Dr. P.C. Srivastava, Dr. A.K.Tewari, Dr. S. K. Mishra, Mr. X Kuncheria (Co-opted member)

3. **Appointment of Recording Secretary:** Dr. S.K. Mishra was appointed as recording secretary for the proceedings of the meeting
4. **Welcome to the members:** Dr. S K. Mishra , Chairman of BoS/ Coordinator, Biotechnology welcome the members of Board of Studies in the meeting .
5. **Approval of the minutes of previous meeting:** Members approved the minutes of the meeting of BoS /CoC held on 10th October, 2019
6. **Review of the Syllabus :** Dr. S. K. Mishra, Coordinator , Biotechnology, Ewing Christian College, proposed the need of review of existing syllabus of Biotechnology in the light of recommendations made by members of BoS in its meeting held on 10.10.2019 and subsequent approval of proposal for syllabus modification by the Academic council of E.C.C. in its meeting held on 28.07.2020, taking repetition of syllabus contents in consideration, demands of students appearing in JAM and other entrance examinations, changing role and relevance of subject for the society and optimal utilization of knowledge domain of faculty members
7. **Proposal of modified syllabus :** Dr. S. K. Mishra, Coordinator, proposed the modified syllabus of B. Sc. Biotechnology drafted by him in consultation with faculty members of Biotechnology and experts for the approval of BoS w.e.f Academic session 2020-21

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- a. **Semester 1:** Paper 1 and 2 minor modification in title and restructure of course content in each of the three units by intra and inter unit reshuffling of contents
- b. **Semester 2:** **Paper 1 title changed from Bioenergetics and Human Physiology to Human Biology** (Unit 1 of bioenergetics is transferred to paper 2 of semester IV entitled Biochemistry and it was replaced by Unit 1 of paper 3 of semester V entitled Essentials of Animal Sciences); inter unit reorganization have been made in Paper 2 entitled Cell and inheritance biology
- c. **Semester 3:** Intra and inter unit reorganization of content Paper 1 entitled Microbiology have been made
Paper 2 Title changed from **Biomathematics, Biostatistics and bioinformatics to Biomathematics , and Biostatistics** by transferring Unit III entitled Bioinformatics to paper 3 of Semester VI and Restructuring the paper by adding **matrix theory and Permutations and combination** and minor modification in existing syllabus of Biomathematics and Biostatistics
- d. **Semester 4:** Intra and inter unit restructure of content in Paper 1 entitled Molecular biology and paper 2 is tiled as **Biochemistry and Bioenergetics in place of Biochemistry** by adding unit 1 (Bioenergetics) from paper 1 of sem 2 of existing syllabus.
- e. Semester 5 restructure of content by intra and inter unit reorganization of the contents of papaer1, 2, and 3
- f. Semester 6: Restructure of content by intra and inter unit reorganization of the contents of papaer1, 2 and SSEC
- g. **Semester 6: Elective paper 3A entitled Essentials of Animal Sciences was replaced by paper 3B entitled** Entrepreneurship and Nanobiotechnology by changing title as Bioinformatics and Nanobiotechnology . The relevant contents of Essential of animal Sciences were placed under paper 1 of Semester 2.

8. Recommendation/suggestions and approval of the modified syllabus by members of BoS:

The proposed syllabus was adopted with minor changes in paper II of semester 3 as suggested by Prof. M.P. Singh and addetion of basic principle of entrepreneurship as suggested by Prof Shresh Sharma

9. Appointment of Examiners: Members of BoS resolved to recommend the names of Examiners (Paper setters/Evaluators/ Co-evaluators) and consolidated panel of practical examiners for semester I-VI in B.Sc. Biotechnology for the academic session 2020-21 in the format provided as per the guidelines/ Rules and regulation of the College.

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10. Any other matter

- (i) Acceptance of new examination rules from academic session 2020-21
- (ii) As per new examination rule there will be no internal assessment test for B. Sc. program from academic session 2020-21, Each theory paper will be of 75 marks as against 60 marks and grade will be awarded for SEC/ SSEC papers from academic session 2020-21

11. Adjournment of meeting: The meeting was adjourned with formal vote of thanks proposed by Dr. S. Chaturvedi

12. Signature of the members of BoS

1. Prof G. Kumar

G. Kumar
15/01/2021

2. Prof. D.K. Chauhan.

D.K. Chauhan

3. Prof. M. P. Singh

M. P. Singh
15/1/2021

4. Prof Shanty Sundaram.

S. Shanti
15/1/2021

5. Prof. Shivesh Sharma

Sharma
15.1.21

6. Dr. A.S.Moses

A.S. Moses

7. Dr. V. Mushran,

V. Mushran

8. Dr. Mrs. S. Chaturvedi

S. Chaturvedi

9. Dr. P. C. Srivastava.

P. C. Srivastava

10. Dr. A.K.Tiwari

A.K. Tiwari

11. Dr. S. K. Mishra

S.K. Mishra
15/1/2021

12. Mr. X. Kuncheria

X. Kuncheria

S.K. Mishra
15.01.2021

S. K. Mishra

(Chairman of BoS/Recording secretary)

Revision

The Minutes of the meeting of Board of studies, Department of Physical Education, Ewing Christian College, Prayagraj held at Department of Physical Education, E.C.C., dated: 22/01/2021 at 8:00 P.M

Prayer : Meeting was started with a word of prayer by Dr. Thomas Abraham
Roll call : The following members were present/absent:

1. Dr. A.S.Moses (Department of Botany) AS
2. Dr. Thomas Abraham(Chairman, Department of Physical Education, E.C.C.) Thomas
3. Dr. S.B. Singh (Asso. Prof. Philosophy Department, E.C.C.) S.B. Singh
4. Dr. Umesh Pratap Singh (Asso. Prof. Department of Department of Economics, E.C.C.) Umesh 22.01.21
5. Dr. Arvind Mishra (Head, Department of Physical Education, A.D.C.) A. Mishra
6. Prof. Archana Chahal (Head, Dept. of Physical Education, A.U.) - AS
7. Prof. Dinesh Chandra Lal (Department of Physical Education, A.U.) - DC Lal

- **Appointment of recording Secretary:** Dr. U.P. Singh was appointed as recording secretary for the meeting.
- **Welcomes to members:** Dr. Thomas Abraham, Chairman of "BOS" welcomed the committee members.
- **Approval of the minutes of the previous meeting held:** The previous meeting minutes (held on 30.09.2019) was unanimously approved by the Committee Members.
- **Matter arising there of :** The following members were recommended by the committee for setting of papers, moderators, evaluators, co-evaluator and practical examiner for B.A. physical Education Semester I , II, III , IV, V and VI for academic session 2020-21.

Semester I: Paper – I Principles of Physical Education

1. Dr. Thomas Abraham
2. Prof. D.C. Lal
3. Dr. Deepti Shukla (Reserve)
4. Dr. Thomas Abraham (Moderator)

Semester I: Paper – II History of Physical Education

1. Dr. Arvind Mishra
2. Prof. Archana Chahal
3. Dr. Sunita B. John (Reserve)
4. Dr. Thomas Abraham (Moderator)

The Department of Physical Education Board of Studies meeting held on 22.01.2021, after successful completion of 4 years of course the following changes/restructure made in the syllabus:

Semester 1 Paper I

Unit-I- Misconceptions of physical education added

Unit-II- Philosophy and science, components of philosophy, importance of philosophy in physical education, Realism, Health and wellness- its importance, benefits and challenges, Development and maintenance of wellness added

-Topic recreation deleted

Unit-III- Culture: Meaning, features and importance added

Semester 1 Paper II

Unit-I-: History of Physical Education of Germany, Sweden, Denmark, Great Britain added

Unit-II- restructure but no changes

Unit-III- restructure but no changes in the main topic

Semester 2 Paper I

Unit-I- Body Classification: Sheldon's Classification- Endomorph, Mesomorph & Ectomorph

Practical implications of Biological Principles, Mental Age added

Unit-III

Learning and Transfer of Training: added

- Meaning of learning
- Nature of motor skill learning
- Principles of motor skill learning
- Learning curve
- Characteristics of learning curve
- Types of learning curve
- Implication of learning curve in physical education and sports
- Transfer of Training : Meaning and definition, Types of transfer of training, Theories of transfer of training, Factors affecting transfer of training

Semester 2 Paper II

The subject title International Events and Institutions of Physical Education and Sports in India Changed to Major Sports Events and Recreation

Unit-III

Recreation: added







- Meaning and definition of recreation
- Aim and objectives of recreation
- Types of recreation, Need and importance of recreation in modern society.
- Recreation providing agencies(Government agencies, Voluntary agencies, Private agencies & Commercial agencies)
- Nature and types of recreational activities

Semester 3 Paper I

- The subject title **Anatomy and physiology in Physical Education** changed to **Anatomy in Physical Education**

Unit-II -the following topic added

- **Structure of Heart**
- **Structure of Lungs**
- **Structure of Digestive System & Accessory organs**
- **Structure of Urinary System**
- **Structure of skeleton of the upper limb**
- **Structure of Skeleton of the lower limb**

Semester 3 Paper II –the following topic added

Unit-I

Sports management in schools and colleges: Preparation of out-of-town games, Transportation, parents permits and risk certificates, finances for trip, equipments, game details, eligibility records, game contract, trip personnel's, participation record books, general management duties and policies, contracting officials.

Unit-II

Financial Management in physical education and sports in school, college and universities: Definition of financial management, objectives of financial management, scope of financial management, principles of financial management, Budget and its planning, Budget proposal model, accounting in management.

Semester 4 Paper I

The subject title **Anatomy and physiology in Physical Education(Various Systems of human Body)** changed to **Physiology in Physical Education**

The following topic added

Unit-I

- **Meaning and definitions of Physiology**
- **Subdivisions of physiology**
- **Need and importance of physiology in physical education and sports**

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Semester 4 Paper II The following topic added

Unit-I- Comparing methods in physical education and general education

Unit-II

Teaching Aids: Criteria for Audio- Visual aids, Black Boards, Bulletin Boards, Magnetic Boards, Pictures, Graphic Devices, Illustrated Text Books, Models and specimens, Projectile Devices, Recording, Television, Slides, Posters, Charts

Unit-III

Officiating:

- Principles of officiating
- Importance of officiating
- Qualities of good Referee/Official
- Duties of Referee/Official: Pre-game, During game and After game

Deleted marking of Hockey, Cricket, Handball

Semester 5 Paper III

Restructured the units and added Coordinative abilities in unit-III

Semester 6 Paper III

Testing Physical fitness:- AAPHER Physical fitness Test added in second unit

Resistance exercises for major muscles of the body: Biceps, Triceps, Gastrocnemius, Thigh group group (anterior, Posterior, medial & lateral), Abdomen, Back & chest muscles added in third unit

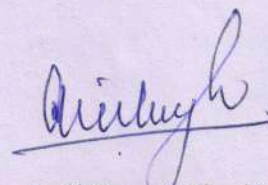
Handwritten signatures and dates:
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 A. Singh
 J. Singh
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Minutes of Meeting - "Committee of Course" Held on 20.07.2020

1. Dr. Anil Kumar Singh welcomed the committee members and called the meeting to order.
2. Proposed syllabus of B.Sc. – Computer Application (R3-2020) was presented before the members of committee by Dr. Padmanabh Tripathi.
3. Prof. R.R. Tiwari proposed minor changes which were incorporated and approved.
4. Proposed syllabus was accepted and approved by the committee.
5. As the business was over, the meeting was closed with prayer.



(Dr. Padmanabh Tripathi)
Recording Secretary



(Dr. Anil Kumar Singh)
Course Coordinator