

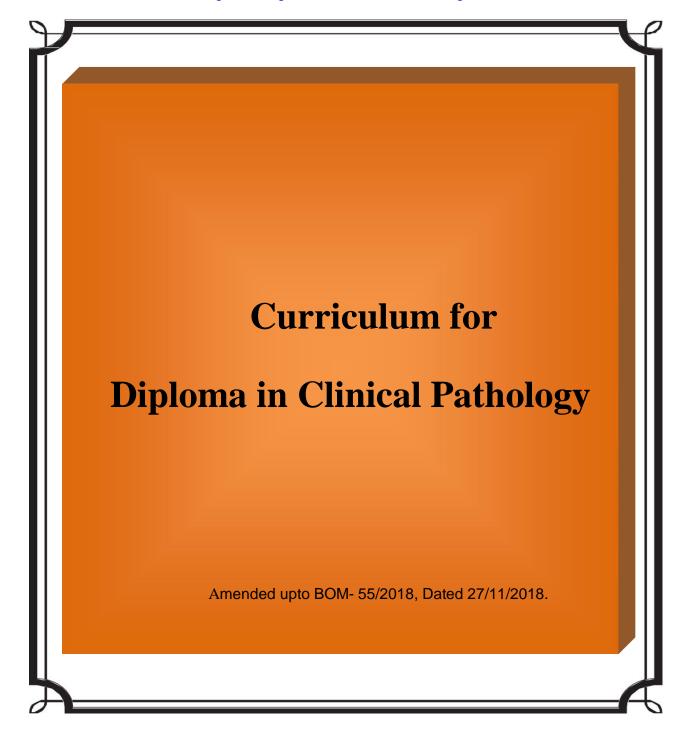
MGM INSTITUTE OF HEALTH SCIENCES

(Deemed to be University u/s 3 of UGC Act, 1956)

Grade 'A' Accredited by NAAC

Sector-01, Kamothe, Navi Mumbai -410 209 Tel 022-27432471, 022-27432994, Fax 022 -27431094

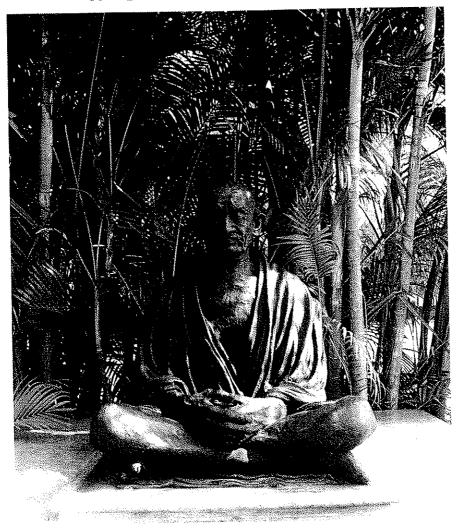
E-mail: registrar@mgmuhs.com; Website: www.mgmuhs.com



Amended History

- 1. Approved as per BOM-04/2007, Item 12.1, Dated 14/12/2007.
- 2. Amended as per BOM-51/2017, [Resolution No. 1.3.23], [Resolution No. 1.3.7.11]; Dated 28/08/2017
- 3. Amended as per BOM-55/2018, [Resolution No. 4.13], [Resolution No. 4.5.4.2], Dated 27/11/2018.

INSPIRING MINDS



Mission

To improve quality of the life for individuals and community by promoting health, preventing and curing disease, advancing biomedical and clinical research and educating tomorrow's Physicians and Scientists.

Vision

By 2020 the MGM University of Health Sciences will rank one of the top private Medical Institution. This will be achieved through ground breaking discoveries in basic sciences and elinical research targeted to prevent and relieve human suffering, excellence in Medical Education of the next generation of academic clinicians and intrinsic scientists.

MGM University of Health Sciences will transform the **Education of** tomorrow's Physicians and Scientists conducting Medical **Research** to advance health and improving lives by providing world-class patient care.

Many see the 21st Century as the golden age of biomedical research. The MGM University of Health Sciences will position for leadership at the horizon of this new era to promote and stabilise stand human health with a standard of excellence.

DIPLOMA IN CLINICAL PATHOLOGY (DCP)

GOAL:

The goal of postgraduate medical education shall be to produce competent specialist.

- (i) Who shall recognize the health needs of the community and carry out professional obligation ethically and in keeping with the objectives of the national health policy;
- (ii) Who shall have mastered most of the competencies, retaining to the speciality, that are required to be practiced at the secondary and tertiary levels of the healthcare delivery system.
- (iii) Who shall be aware of contemporary advances and developments in the discipline concerned.
- (iv) Who shall be able to organize and establish clinical laboratory.

OBJECTIVES:

At the end of the course a candidate must be able to

- (i) Understand and explain about the factors in causation of disease.
- (ii) Understand processes involved in the gross and microscopic changes of organs and tissues and explain these changes.
- (iii) Understand and explain the basis of evolution of clinical signs and symptoms.
- (iv) Should be able to perform procedures designated for laboratory detection of diseases. Should be able to process and accurately interpret the representative materials obtained from the patients in order to arrive at a correct diagnosis.
- (v) Should be able to recognize and report morphological changes in cells, tissues and organs.
- (vi) Should be able to plan, perform and report specific research projects.

COURSE CONTENTS:

Duration of course: 2 years

THEORY:

- General pathology including Immunopathology
- Systemic pathology
- Haematology
- Blood Banking including Transfusion Medicine
- Cytopathology
- Laboratory methods including quality control
- Applied Microbiology & Serology
- Applied Biochemistry

PRACTICAL:

- 1) Collection and dispatching of samples to laboratory and handling of all equipments
- 2) Hands on experience in techniques, its interpretation and reporting
 - (a) Gram's stain
 - (b) Albert stain
 - (c) Z. N. stain
 - (d) Hanging drop preparation
 - (e) KOH / Lactophenol preparation
- 3) Sterilization techniques, Culture- methods, identification and reporting
- 4) Hands on experience and interpretation of serological tests like Widal, VDRL, HIV, HBV, RF, ASO and Pregnancy tests
- 5) Microscopic examination of stools and reporting
- 6) Clinical Biochemistry- Procedures and interpretations of routine biochemical estimations including electrolytes
- 7) Hands on experience in and reporting of routine haematological investigations and special investigations like Platelet count, Sickling tests, Reticulocyte count, PCV, Blood indices, Bone marrow examination etc.
- 8) Histopathology techniques and reporting
- 9) Cytopathology techniques and reporting

10) Techniques and interpretation of various procedures in transfusion medicine

POSTING SCHEDULE:

Total Duration		24 Months
1. Cytopathology and Clinical pat	hology	6 months
2. Haematology and Blood Bank		6 months
3Histopathology		6 months
4Biochemistry		1½ month
5. Microbiology		1½ month
6. Revision in all sections		3 months
	TOTAL	24 months

Postgraduate teaching programme should include

- (A) Grossing seminars
- (B) Slide seminars Histopathology, Haematology and Cytopathology
- (C) Journal club
- (D) Subject seminars
- (E) Group discussion on clinical cases
- (F) Inter departmental seminars
- (G) Post graduate students should be encouraged to attend CME, Workshops ,Conferences and present papers

RECOMMENDED MINIMUM TEXT BOOKS AND JOURNALS BOOKS:

- Cotran, Kumar, Collins. Robin's Pathologic Basis of Disease, published by
 W.B. Saunders & Company.
- Ivan Damjanov, James Linder. Anderson's Pathology, published by C.V. Mosby Company.
- 3. J. B. Walter, M.S. Israel. General Pathology, published by Churchill Livingstone.
- 4. Emeritus W.ST. Symmers Systemic Pathology, published by Churchill Livingstone.
- 5. Juan Rosai, Ackerman's Surgical Pathology, published by C.V. Mosby Company.
- 6. Leopold G Koss, Diagnostic cytology and its histopathologic basis published by J.B. Lippincott Company.
- 7. Marluce Bibbo, Comprehensive cytopathology, published by W.B Saunders Company
- 8. Winnifred Grey, Diagnostic cytopathology, published by Churchill Livingstone
- 9. Orell, Sterrett- Walters and Whittaker, Fine Needle Aspiration Cytology (Manual & Atlas), published by Churchill Livingstone
- 10. Greer J.P, Foerster J, Jukens J et. al Wintrobe's Clinical Haematology, published by Lippincott Williams and Wilkins
- 11. Firkin F, Chesterman C, Penington D, de Gruchy's Clinical Haematology in Medical Practice, published by Blackwell Sciences
- 12. Henry J.B Clinical Diagnostics and Management by Laboratory Methods. published by W.B. Saunders & Company.
- 13. Lewis S.M, Bain D.J, Bates I, Dacie & Lewis Practical Haematology published by Churchill Livingstone.
- 14. Hoffbrand A.V, Catovsky D, Tuddenham G.D, Postgraduate

 Haematology published by Blackwell publishing
- 15 R.Anantnarayan, C.K.Paniker, Textbook of Microbiology, published by Orient Longman.
- 16. Harshmohan ,Textbook of pathology , published by Jaypee.
- 17. Parasitology (Protozoology & Helminthology.) in relation to clinical medicine K.D.Chatterjee published by Chatterjee Medical Publication.

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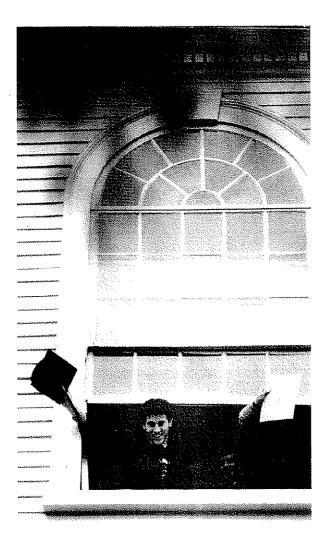
- 18. Sudha R.Kini ,Colour Atlas of differential diagnosis in exfoliative and aspiration cytopathology , published by Lippincott, Williams & Wilkins.
- 19. Praful B. Godkar ,Clinical Biochemistry Principles & practice , published by Bhalani Publishing House, Bombay.
- 20. Theory & practice of Histological Techniques edited by John .D.Bancroft-published by Chruchill Livingstone.
- 21. Mollison P.L, Blood transfusion in clinical medicine, published by Oxford, ELBS & Blackwell Scientific Publication
- 22. WHO Classification of tumours, published by IARC Press
- 23. Recent advances in Histopathology, Haematology etc.

JOURNALS:

- 1. British Journal of Haematology, published by Blackwell Sciences.
- 2. CANCER, International journal of American Cancer Society, published by John Wile & sons Inc.
- 3. Journal of Clinical Pathology, published by B.M.J.
- 4. Haematology/Oncology Clinics of North America, published by W.B. Saunders & Company.
- 5. American Journal of Surgical Pathology, published by Lippincott & Raven
- 6. Indian Journal of Pathology & Microbiology, published by IAPM.
- 7. Indian Journal of Cancer, published by Indian Cancer Society.
- 8. Indian Journal of Cytology, published by IAC.
- 9. LANCET, published by Elsevier
- 10.I.C.M.R. Bulletin, published by ICMR

ADDITIONAL READINGS:

- Compendium of recommendations of various committees on health and development (1943 to 1975) DGHS, 1985 Central Bureau of Health Intelligence, DGHS, Ministry of Health & Family Welfare, Govt. of India, Nirman Bhavan, New Delhi-335.
- 2. National Health Policy, Ministry of Health & Family Welfare, Govt. of India, Nirman Bhavan, New Delhi-335. 1983.
- 3. ICMR, Policy, Statement of ethical considerations involved in research on Human subjects, 1982 ICMR, New Delhi.
- 4, Code of Medical Ethics framed under Section- 33 of Indian Medical Council Act, 1956. MCI, Kotla road, New Delhi.



MGM University of Health Sciences (Education - Health Services - Research) A Mission started, nurtured and Managed by Professional Doctors, Scientists Engineers...



MGM INSTITUTE OF HEALTH SCIENCES

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Post Box -6, MGM Educational Complex, Sector-18, Kamothe, Navi Mumbai - 410209 Ph : - 022-27422471, 65168127, 65138121 Fax : 022-27420320 E-mail : mgmuniversity@mgnuhs.com Website: www.mgnuhs.com

IN PURSUIT OF **EXCELLENCE**

MGM DEEMED UNIVERSITY OF HEALTH SCIENCES

Constituent Colleges

Navi Mumbai

M.G.M. Medical College M.G.M School of Biomedical Science M.G.M School of Physiotherapy M.G.M New Bombay College of Nursing M.G.M College of Nursing

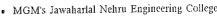
Aurangabad

M.G.M. Medical College M.G.M School of Biomedical Science M.G.M School of Physiotherapy M.G.M College of Nursing



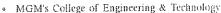
MAHATMA GANDHI MISSION

AURANGABAD



- MGM's Institute of Management
- · MGM's Mother Teresa College of Nursing
- MGM's Mother Teresa Institute of Nursing Education
- MGM's College of Journalism & Media Science
- MGM's Medical Center & Research Institute
- MGM's College of Fine Arts
- MGM's Dr. D. Y. Pathrikar College of Comp. Sc. & Tech.
- MGM's Hospital & Research Center
- MGM's College of Agricultural Bio-Technology
- MGM's Dept. of Bio-Technology & Bio-informaties.
- MGM's Inst. of Hotel Management & Catering Tech.
- MGM's Institute of Indian & foreign Languages & Comm.
- MGM's College of Physiotherapy
- MGM's Hospital, Ajabnagar
- MGM's Sangeet Academy (Mahagami)
- MGM's Institute Naturopathy & Yoga
- MGM's Sports Club & Stadium
- MGM's Institute of Vocational Courses
- MGM's Horticulture
- MGM's Health Care Management
- MGM's Junior College of Education (Eng. & Mar.)
- · MGM's Sanskar Vidyalaya (Pri. & Sec. Mar.)
- MGM's Clover Dale School (Pri. & Sec. Eng.)
- MGM's First Steps School (Pre-Primary English)
- MGM's Sanskar Vidyalaya (Pre-Priamary Marathi)
- MGM's School of Biomedical Sciences

NAVI MUMBAI



- MGM's Institute of Management Studies & Research
- MGM's Dental College & Hospital
- MGM's College of Physiotherapy
- MGM's College of Media Science
- MGM's Institute of Research
- MGM's New Bombay Hospital, Vashi
- MGM's Hospital, CBD
- MGM's Hospital, Kamothe
- MGM's Hospital, Kalamboli
- MGM's Infotech & Research Centre
- MGM's Pre-Primary School (English & Marathi) MGM's Primary & Secondatry School (Eng. & Mar.)
- MGM's Junior College Science
- MGM's Junior College of Vocational Courses
- MGM's Florence Nightingale Inst. Nursing Edu.
- MGM's College of Nursing
- MGM's College of Law

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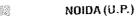
- MGM's College of Engineering
- MGM's College of Fine Arts
- MGM's College of Computer Science
- MGM's College of Journalism & Media Science
- MGM's Centre for Astronomy & Space Tech.
- MGM's College of Library & Information Science



PARBHANI



MGM's College of Computer Science





MGM's College of Engineering & Technology

Registrar

From

Sent

To: Subject: Attachments: Simita Murdy (smittam ulayrit (§ggmail com) 26 February 2016 10 56 oyr@riightabs.com/registrar@mgrittes.com/Or Reeta Dhar

corrected DOP promise patter depipractical dock

Dear Sir/Madam

cam herewith forwarding the corrected DCP practical

pattern for your ready reference. Kindly ignore the

previous mail regarding practical pattern

With regards

Dr.Smita Mulas

Professor & Head Pathology Dept. Mgm Medical college A'bad

Prof & Head Sept of Pathology · G M Medical College Kamothe Navi Milmbar

tades front Chairperson (Bos Paraclinical)

MGM University of Health Science

Proposed DCP Examination Pattern Distribution of Practical marks

Day-1:- Clinical case

Urine examination

20 marks

Biochemistry exersice- 1

20 marks

Haemogram

20 marks

Special haematology exersice-1

10 marks

Case Discussion-

10 marks

Total-80 marks

Microbiology exersice

Bacteriology(gram staining, motility,

40 marks

culture, plating and reporting on next day)

Serology

20 marks

Day 2

Morbid anatomy (Gross)

20 marks

Histotechniques -

20 marks

(Block cutting and H&E staining)

Slides including discussion-20 slides 5 minutes duration each

100 marks

Histopathology-10 slides

Cytology(FNAC &exfoliative)-5 slides

Haematology-05 slides

Viva voice

15 marks

Communication skill

5 marks

Total practical marks-300

Prof. Z. G. BaZade

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MGM University of Health Sciences

Proposed DCP Examination pattern

Theory: 3 papers of 100 marks each

Duration-3 hrs

Topic wise distribution of papers is as follows:-

- Paper 1- General pathology including applied microbiology and immunopathology.
- Paper 2- Systemic pathology and cytopathology.
- Paper3- Hematology pathology, blood banking, clinical pathology and chemical.

Marks distribution of papers.

- Q1- Compulsory LAQ of 25 marks
- Q2-Compulsory LAQof 25 marks
- Q3-SAQ 5/6- 10 marks each.(10x5=50)

Prof. Z. G. Be**S**ide

They to the

UNDER AND MAY SERVED Sciences Kameric, Navi Mambai-481209

Registrar

From:

Registrar [registrar@rngmuhs.com]

Sent:

07 March 2016 12:59

To:

'smitamulay63@gmail.com'

Cc: Subject: 'armedical@mgmuhs.com', 'arnonmedical@mgmuhs.com'; 'coe@mgmuhs.com'
Approved Theory Paper topic-wise distribution and practical distribution of marks of

Diploma in Clinical Pathology (DCP) Course

Attachments:

Approved Practical Distribution of Marks of DCP.pdf

Dr. Smita Mulay

Madam,

Please find the approved Theory Paper topic-wise distribution and practical distribution of marks of Diploma in Clinical Pathology (DCP) Course for your necessary implementation.

Thanks and Regards,

Dr. Z.G.Badade

Registrar

MGM Institute of Health Sciences, Navi Mumbai (Deemed University u/s 3 of UGC act, 1956) 3rd Floor, MGM Educational Campus, Plot No. 1 & 2, Sector -1, Kamothe,

Navi Mumbai - 410 209

Tel.: 022 - 27432471 / 27432994

Fax: 022 - 27431094

Email: registrar@mgmuhs.com Website: www.mgmuhs.com

Pagistrar

From:

MGM Aurangabad [mgmmca@themgmgroup.com]

sent:

02 March 2016 16:31 dyr: Zunjarrao Badade

To: Attachments: 2016-03-02 (4) pdf

Sir,

Pl find enclosed herewith regarding letter DCP Practical Pattern.

Thanks & Regards

Dr. Ajit G. Shroff

Dean,

MGM Medical College & Hospital.

N-6, CIDCO, Aurangabad - 431003

Phone: 0240-6601100, 6601112 Fax 0240-2487727

Acad Example Mulas

MGM Institute Of Health Sciences

INWARD NO.____

MGM INSTITUTE OF HEALTH SCIENCE'S MEDICAL COLLEGE
MGM INSTITUTE OF HEALTH SCIENCE'S AURANGABAD -

Occuse: University uts 3 of UGC Act, 1986)
Grade 'A' Accredited by NAAC
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Tel 022-37432471, 022-27432994, Fax 022 - 27431094
1 -mail - registrar acmgmuts.com; Website: www.mgmuts.com

No. MGM/01/AC-34/2016/015/3

March 01, 2016

To:
Dr. M. M. Khan
Deputy Registrar, Auranyabad Campus
MGM Institute
N - 6, Cideo
Aurangabad - 431003

Dear Dr. Khan.

I am sending two documents for endorsement by 'Dean faculty', Dr. A. G. Shroff Sir. The detail are as follows:-

- Marks distribution of practical examinations in MD (Emergency Medicine):- Since the
 first batch is appearing now in April/May. 2016 in MD Emergency Medicine at Navi
 Mumbai, the Marks distribution for practical examinations is submitted by HOD of
 Emergency Medicine. Dr. D. B. Bhusare. This need to be endorsed by chairperson of
 BOS Medicine & Affied, Dr. S. H. Talib and Dean faculty, Dr. A. G. Shroff.
- 2. Theory paper Distribution and practical distribution of Diploma in Clinical Pathology (DCP) course: First batch is appearing for this course at Aurangabad in April/May, 2016. Therefore, marks distribution in theory and practical for Diploma in Clinical Pathology is submitted by HOD of Pathology. Dr. Smita Mulay and Dr. Rita Dhar which is also endorsed by chairperson BOS Para Clinical Dr. Y. A. Deshmukh. It requires final endorsement by Dean faculty, Dr. A. G. Shroff.

Therefore you are requested to do the needful so that it can be submitted to the examinations section of the University.

Thanking you.

Encl :As above

Prof. Z. G. Badade

Registran

MGM havitate of Health Sciences Kamesthe, Navi Mumbal-401209

Prof. Z. G. 122dedo

Registron.

MGM Institute of the Mr Sciences Kamothe, Navi Mambai-101209

Diploma in Clinical pathology (DCP) Syllabus. Subject:

From:

"Dr. Rajesh B. Goel" <dyr@mgmuhs.com>

Date:

Tue, April 5, 2016 1:11 pm

To:

smitamulay63@gmail.com

Priority:

Normal

Mailer:

SquirrelMail/1.5.2 [SVN]

To:

pr. Smita Mulay

bear Madam,

Please find attached herewith the Syllabus copy of Diploma in clinical Pathology (DCP) along with proposed DCP Examination pattern for your kind perusal.

hanking you,

eputy Registrar cademic & Admin MGM Institute of Health Sciences, Navi Mumbai Deemed University u/s 3 of UGC Act, 1956) rade 'A' Accredited by NAAC [el.: 022 - 27432471 / 27432994

ax: 022 - 27431094

Attachments

DCP Syllabus.pdf application/pdf 1.5 MiB

Resolution No. 1.3.7.11 (i) of BOM-51/2017: Resolved that the following Bioethics topics in PG Curriculum are to be included for PG students of all specialization and a sensitization of these topics can be done during PG Induction programme:

- Concept of Autonomy
- Informed Consent
- Confidentiality
- Communication Skills
- Patient rights
- Withholding / Withdrawing life-saving treatment
- Palliative Care
- Issues related to Organ Transplantation
- Surgical Research and Surgical Innovation
- Hospital Ethics Committee
- Doctor-Patient relationship

Resolution No. 1.3.23 of BOM-51/2017; Resolved to implement a Structured Induction programme (07 days) for PG students. [Annexure XIIV]

Item N

MGM INSTITUTE OF HEALTH SCIENCES Navi Mumbai

Induction Program for newly admitted Postgraduate students

Day 1	 Address by Dean, Medical Suptd, Dire Pre-test 	ector (Academics)
	Communication SkillsUniversal Safety Precautions	
	Biomedical Waste Management Infection Control Policy	
Day 2	Emergency services	
	Laboratory services	TO THE PROPERTY OF THE PROPERT
	 Blood Bank services 	
	Medicolegal issues	
	 Prescription writing 	
	Adverse Drug Reaction	
	 Handling surgical specimens 	
Day 3	 Principles of Ethics 	
	 Professionalism 	Estate visit in the second sec
	Research Ethics	1 100 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	 Informed Consent 	
	 Confidentiality 	
	Doctor-Patient relationship	
Day 4	Research Methodology	
Day 5	Synopsis writingDissertation writing	
Day 6	Statistics	
Day 7	ATLS Post-test	

The Induction Program will be conducted in the first week of June. Timing: 9.30 am to 3.30 pm

(Prof. Dr. Siddharth P. Dubhashi) Director (Academics) **Resolution No. 4.5.4.2 of BOM-55/2018:** Resolved to have 10 short notes out of 11 (10 marks each) in all the papers in university examination for PG courses including superspeciality. To be implemented from batch appearing in April/May 2019 examination onwards for MD/MS/Diploma and August/September 2019 examination onwards for superspeciality.

Resolution No. 4.13 of BOM-55/2018: Resolved as follows:-

- (i) Slow learners must be re-designated as potential learners.
- (ii) Students scoring less than 35% marks in a particular subjects/course in the 1st formative exam are to be listed as potential learners. These learners must be constantly encouraged to perform better with the help of various remedial measures.
- (iii) Students scoring more than 75% marks in a particular subjects/course in the 1st formative exam are to be listed as advanced learners. These learners must be constantly encouraged to participate in various scholarly activities.



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