

**Minutes of the 42nd Meeting of the Academic Council held on
Tuesday, 23rd July, 2019 at 2.30 p.m.**

The Forty - Second Meeting of Academic Council was held on Tuesday, 23rd July, 2019 at 2.30 p.m. in the Auditorium of Dr. D. Y. Patil Medical College, Hospital and Research Centre, Pimpri, Pune – 411 018.

Following members were present:

Sr. No.	Name of the Member	Designation
1	Dr. N. J. Pawar	Chairperson
2	Dr. Y. M. Jayaraj	Member
3	Dr. Dalvi Shashank Devdatta	Member
4	Dr. (Capt.) C. M. Chitale	Member
5	Dr. H. G. Deshpande	Member
6	Dr. D. Gopalakrishnan	Member
7	Dr. J. K. Pal	Member
8	Dr. Chetan Choudhari	Member
9	Mrs. Rupali M. Salvi	Member
10	Dr. Tushar Palekar	Member
11	Dr. Sharma D. B.	Member
12	Dr. C. R. Gore	Member
13	Dr. R. N. Misra	Member
14	Dr. A. V. Tilak	Member
15	Dr. A. L. Ghangale	Member
16	Dr. Amitav Banerjee	Member
17	Dr. S. R. Agarkhedkar	Member
18	Dr. Daniel Saldanha	Member
19	Dr. Neeta R. Gokhale	Member
20	Dr. M. S. Barthwal	Member
21	Dr. Shahaji G. Chavan	Member
22	Dr. Sanjay S. Deo	Member
23	Dr. Rajesh Kuber	Member
24	Dr. G. D. Mahajan	Member
25	Dr. (Mrs.) Renu M. Magdum	Member
26	Dr. Smita Joshi	Member
27	Dr. A. L. Kakrani	Member
28	Dr. Varsha Shinde	Member
29	Dr. Shalesh Rohatgi	Member
30	Dr. Bharat Bhushan Dogra	Member
31	Dr. Anurag Garg	Member
32	Dr. C. Sridevi	Member
33	Dr. Dilip Kakade	Member
34	Dr. Pushkar Waknis	Member
35	Dr. Rajesh Shetty	Member
36	Dr. Sonali Deshmukh	Member

Sr. No.	Name of the Member	Designation
37	Dr. Supriya Kheur	Member
38	Dr. Sahana Hegde (Shetiya)	Member
39	Dr. Vikas Bendgude	Member
40	Dr. Joshi Mrudula Vinayak	Member
41	Vd. Dubewar Arati Prabhakar	Member
42	Dr. Deo Sunila Hemant	Member
43	Vd. Khawale Deepak Sahebrao	Member
44	Vd. Nakade Mamta Mahadeorao	Member
45	Dr. Arya M. M.	Member
46	Dr. Gandhi V.R.	Member
47	Dr. (Mrs.) Khobragade V. R.	Member
48	Dr. Aphale Parth S.	Member
49	Dr. Dalvi S. K.	Member
50	Mr. Veshal Madan	Member
51	Ms. Safia Farooqi	Member
52	Dr. J. S. Bhawalkar	Member
53	Dr. S. V. Panchbhai	Member
54	Dr. Sachin Sarode	Member
55	Dr. Neelu Nawani	Member
56	Dr. M. Vijaykumar	Member
57	Dr. Hansraj Thorat	Member
58	Dr. Shweta Satish Joshi	Member
59	Dr. Jyoti Landage	Member
60	Dr. Gaurang Baxi	Member
61	Dr. Prashant Suryarao	Member
62	Dr. Deepali Garge	Member
63	Mr. M. S. Phirange	Permanent Invitee
64	Dr. Anil Keskar	Special Invitee
65	Dr. Ramesh Bhonde	Special Invitee
66	Prof. Pandey Bhrigupati Raj Kishor	Special Invitee
67	Dr. Prashant Khade	Invitee
68	Dr. A. N. Suryakar	Secretary

Leave of absence was granted to, Dr. N. D. Nanandkar, Dr. Arvind Sangamnerkar, Dr. Alok Bhattacharya, Dr. Amarjit Singh, Dr. (Mrs.) P. Vatsalaswamy, Dr. Gunvant Hari Yeola, Dr. P. R. Manvikar, Dr. (Mrs.) M. A. Tilak, Dr. Vilas G. Jaltade, Dr.(Mrs.) Chaphekar P. A., Dr.(Mrs.) Kulkarni S. U., Dr. Chaudhari Girish D., Dr. Shah Y. K., Dr. Kalyani Bhate who had expressed their inability to attend the meeting.

Dr. Deepak Ranade, Dr. V. P. Sabale, Dr. Tushar A. Dighe, Dr. Pranav Jadhav, Dr. Vikram Khare, Vd. Kadu Smita Shamrao, Vd. Changale Jayashree Vishnupati, Vd. Joshi Vinayak Nilkanth, Dr. Kulkarni Medha Sanjay, Vd. Patil Jayshree Rajendra, Vd. Amrute Nilima Sanket, Dr. Shubhangi A. Kanitkar, Dr. Vidya A. Gaikwad were absent for the meeting without prior intimation

Dr. N. J. Pawar, Vice-Chancellor, welcomed all the members. Thereafter the business of the meeting was taken up.

Item No. AC-17-19: To confirm the minutes of the last meeting of the Academic Council held on 9th April, 2019.

Resolution No. AC-17-19: It was resolved that the minutes of the last meeting of the Academic Council held on 9th April, 2019, be confirmed.

Item No. AC-18-19: To consider the report on the 'Actions Taken' by the Vidyapeeth office on the resolutions of the last meeting of Academic Council.

Resolution No. AC-18-19: It was resolved that the 'Actions Taken' by the Vidyapeeth office on the resolutions of the last meeting of the Academic Council held on 9th April, 2019, be noted.

Item No. AC-19-19: To inform the house about the major developments in the Vidyapeeth and its Constituent Colleges / Institutes, since its last meeting.

Resolution No. AC-19-19: It was resolved that the major developments in the Vidyapeeth and its Constituent Colleges / Institutes, be noted.

Item No. AC-20-19: To consider the recommendations made by the Faculty of Ayurved its meeting held on 21st May, 2019 and 1st July, 2019.

Item No. AC-20(i)-19: To consider and approve Pre Ph.D. Syllabus.

Resolution No. AC-20(i)-19: After detailed discussion it was resolved that the syllabus of Pre Ph.D. for following subjects, be approved and recommended to the Board of Management for its approval.

Programme outline with teaching hours:

Paper	Subjects	Hours
I	Research Methodology & Bio Statistics	30
II	Recent Advances in the concerned Specialty, Applied Aspects	
(i)	Ayurved Samhita Siddhant	60
(ii)	Swasthavritta	60
(iii)	Rognidan	60
(iv)	Kayachikitsa	60
(v)	Shalya Tantra	60
(vi)	Striroga & Prasutitantra	60
(vii)	Panchakarma	60
(viii)	Kriya Sharir	60
(ix)	Shalaky Tantra	60
III	Presentation & Discussion	-

Examination Pattern of Pre-Ph.D.

Paper I	Research Methodology & Biostatistics No of total Questions - 10 (5 Questions on Research Methodology and 5 Questions on Biostatistics) Each Questions carries 5 marks	50 Marks
Paper II	Recent advances in the concerned specialty No of total Questions - 10 (Each Questions carries 5 Marks)	50 Marks
Paper III	Presentation & Discussion (Relevant to the Research topic for Ph.D.)	50 Marks

The details of syllabus for Pre Ph.D. is enclosed as **Annexure – I**

Item No. AC-20(ii) -19: To Consider implementation of Research at UG level and additional Research Project for PG Students.

Resolution No. AC-20(ii) -19: After thorough discussion it was resolved that 4th Year UG Students & Interns of B.A.M.S. can be considered for implementation of additional research project for PG students. The recommendations be forwarded to Board of Management for its approval.

Item No. AC-20(iii)-19: Approval of M.D. Final (2nd & 3rd Year) Syllabus of all Subjects.

Resolution No. AC-20(iii)-19: After comprehensive discussion it was resolved that the Programme Codes (PC), Programme Outcomes (POs), Course Outcomes (COs), syllabus, examination pattern, etc. of M.D. Final (2nd & 3rd) Year of Ayurved for following subjects, be approved and recommended to the Board of Management for its approval.

The details of the programme code and theory exam patterns are as follows:

Sr. No.	Programme Code	Subjects	Theory	Practical
Pre Clinical Subjects				
1	AVF 301	Ayurveda Samhita Siddhant	400	100
2	AVF 302	Rachana Sharir	400	200
3	AVF 303	Kriya Sharir	400	100
Para Clinical Subjects				
4	AVF 304	Rasa Shastra & Bhaishajya Kalpana	400	100
5	AVF 305	Dravyaguna Vidyan	400	200
6	AVF 306	Roganidan Evum Vikriti Vigyan	400	200
Clinical Subjects				
7	AVF 307	Agadtantra	400	100
8	AVF 308	Swasthavritta	400	200
9	AVF 309	Prasutitantra Evum Striroga	400	200
10	AVF 310	Kaumarbhritya	400	100
11	AVF 311	Panchkarma	400	100
13	AVF 312	Kayachikitsa	400	100
13	AVF 313	Shalaky Tantra	400	100
14	AVF 314	Shalya Tantra	400	100

Theory Exam Pattern for above subjects:

Theory: 100 Marks for each paper.

Sr. No.	Nature of Question	Division of Marks	Total Marks
Part –A (50 Marks)			
1.	L.A.Q.	3 Questions x 10 Marks	30
2.	S.A.Q.	04 Questions (Any 4 out of 5)x 05 Marks	20
Part – B (50 Marks)			
1.	L.A.Q.	3 Questions x 10 Marks	30
2.	S.A.Q.	04 Questions (Any 4 out of 5)x 05 Marks	20
Total			100

The complete syllabus for M.D. Final (2nd & 3rd Year) is enclosed as Annexure – II

Item No. AC-20(iv)-19: To start short term course in Yoga (Yog-Pravesh)

Resolution No AC-20(iv)-19: After exhaustive discussion it was resolved that a Short Term Course in Yoga (Yog-Pravesh) in collaboration with Yogvidyadham, Pimpri-Chinchwad Pradhikaran, the renowned institute of Yoga affiliated to Yogvidya Gurukul, Nashik, be started from the Academic Year 2019-20. The recommendations be forwarded to the Board of Management for its consideration and approval. The details of the course are as follows:

Course Name	:-	Short Term Course In Yoga (YOG-PRAVESH)
Duration	:-	1 Month (30 Hours)
Intake Capacity	:-	Maximum 25 seats per batch
Eligibility	:-	Age above 16 years or 18 Years
Assessment	:-	100 Marks Practical Examination
Fees	:-	1500 INR

Syllabus and detail Curriculum:-

SN	Topic	Details of Syllabus (Theory & Practical)	No. of Hours
1	Sukshma vyayam	Practice of Warming Exercise, Loosening Exercise, poorak Movements.	01
2	Suryanamaskar	Practice of 10 Step Suryanamaskar & its Importance. Need In Society.	02
3	Viparit Shayan Sthiti Asana	Theoretical Knowledge of Asanas, Practical Exercise of Asanas. Bhujangasana, Shalabhasana, Dhanurasana, Naukasana, Makarasana. Significance and Adverse Effect Of Asanas	02
4	Shayan Sthiti Asana	Theoretical Knowledge of Asanas, Practical Exercise of Asanas. Uttanpadasana, Sarvangasana, Matsyasana, Halasana, Shavasana. Significance and Adverse Effect Of Asanas	05
5	Baithak Sthiti Asana	Theoretical Knowledge of Asanas, Practical Exercise of Asanas. Padmasana, Swastikasana, Parvatasana, Aakarnadhan urasana, Vakrasana, Ardhamatsyendrasana, Pawanmuktasana, Vajrasana, Pachhimottanasana. Significance and Adverse Effect Of Asanas	05
6	Dand Sthiti Asana	Theoretical Knowledge of Asanas, Practical Exercise of Asanas. Vrikshasana, Veerasana, Trikonasana. Significance and Adverse Effect Of Asanas	02
7	Pranayam	Different Types Of Pranayam, Dirghaswahan, Jaladswahan, Anulomvilom. And Its SIGNIFICANCE	03
8	Dhyana Meditation	Dhyana Meditation, Yog Nidra. And Its SIGNIFICANCE	02
9	Omkar Chanting	Practice of Omkar Chanting. And Its SIGNIFICANCE	02
10	Theory Lecture of Yoga	Yog Utpatti, Swaroop, History, Preparation For Yoga Exersice, Different Streams Of Yoga, Diet & Yoga, Pranayam, Relation of Yoga & Ayurved and Its SIGNIFICANCE	06

Item No. AC-20(v)-19: To consider Graduate Attributes, Programme Outcomes (POs), Course Outcomes (Cos) and Outcome Analysis of POs & COs for B.A.M.S. and M.D./M.S. programs under the Faculty of Ayurved.

Resolution No. AC-20(v)-19: It was resolved that the Graduate Attributes, Programme Outcomes (POs), Course Outcomes (COs) and Outcome Analysis of POs & COs for UG (B.A.M.S.) and PG (M.D./M.S.) programs under the Faculty of Ayurved, be approved and forwarded to the Board of Management for its approval. The details of Graduate Attributes, Programme Outcomes (POs), Course Outcomes (COs) and Outcome Analysis of POs & COs for B.A.M.S. and M.D. / M.S. programs under the Faculty of Ayurved are enclosed as Annexure – III.

Item No. AC-20(vi)-19: To consider the Interdisciplinary subjects of B.A.M.S and M.D./M.S. Program.

Resolution No. AC-20(vi)-19: It was resolved that the interdisciplinary subjects of B.A.M.S and M.D./M.S. Program, be approved. The list of interdisciplinary subjects is enclosed separately.

Item No. AC-21-19: To consider the recommendations made by the Faculty of Dentistry its meeting held on 16th July, 2019.

Item No. AC-21(i)-19: The Course Codes for the B.D.S. program, M.D.S. programs and Certificate Courses.

Resolution No. AC-21(i)-19: It was resolved that the Course Codes for the B.D.S., M.D.S programs and Certificate Courses be approved and forwarded to the Board of Management for its approval. It was further resolved that the Course Codes to be added sequentially in case of changes. The Course Codes are as follows:

➤ **Course Codes for B.D.S. programs:**

Sr. No.	Year	Subject	Course Code
1	1 st Year B.D.S.	Gen. Human Anatomy including Embryology & Histology	BD- 101
2		General Human Physiology & Biochemistry	BD- 102
3		Dental Anatomy, Embryology & Oral Histology	BD- 103
4	2 nd Year B.D.S.	Gen. Pathology & Microbiology	BD- 201
5		Gen. & Dental Pharmacology & Therapeutics	BD- 202
6		Dental Materials	BD- 203
7		Pre- Clinical Prosthodontics	BD- 204
8		Pre- Clinical Conservative Dentistry	BD- 205
9	3 rd Year B.D.S.	General Medicine	BD- 301
10		General Surgery	BD- 302
11		Oral Pathology	BD- 303
12	4 th year B.D.S. 1 st Sem.	Public Health Dentistry	BD- 401
13		Periodontology	BD- 402
14		Orthodontics & Dentofacial Orthopaedics	BD- 403
15		Oral Medicine & Radiology	BD- 404
16	4 th year B.D.S. 2 nd Sem.	Oral & Maxillofacial Surgery	BD- 405
17		Conservative Dentistry & Endodontics	BD- 406
18		Prosthodontics & Crown & Bridge	BD- 407
19		Pedodontics & Preventive Dentistry	BD- 408

➤ Course Codes for M.D.S. programs:

Sr. No.	Name of Subject	Course Code
1	Prosthodontics & Crown & Bridge	MDS - 01
2	Periodontology	MDS - 02
3	Oral & Maxillofacial Surgery	MDS - 03
4	Conservative Dentistry & Endodontics	MDS - 04
5	Orthodontics & Dentofacial Orthopaedics	MDS - 05
6	Oral Pathology	MDS - 06
7	Public Health Dentistry	MDS - 07
8	Pedodontics	MDS - 08
9	Oral Medicine & Radiology	MDS - 09

➤ Course Codes for Certificate Courses:

Sr. No.	Name of Certificate Course	Course Code
1	Certificate Course in Implantology	DCC - 01
2	Certificate Course in Forensic Odontology	DCC - 02
3	Certificate Course in Pediatric Endodontics & Post- Endodontic Restorations	DCC - 03

Item No. AC-21(ii)-19: To consider and approve Graduate Attributes, Programme Outcomes (POs) and Course Outcomes (Cos), Outcome Analysis of COs & POs for B.D.S. and M.D.S. programs under the Faculty of Dentistry.

Resolution No. AC-21(ii)-19: It was resolved that the Graduate Attributes, Programme Outcomes (POs), Course Outcomes (COs) and Outcome Analysis of POs & COs for B.D.S. and M.D.S. programs under the Faculty of Dentistry, be approved and forwarded to the Board of Management for its approval. The details of Graduate Attributes, Programme Outcomes (POs), Course Outcomes (COs) and Outcome Analysis of Pos & COs for B.D.S. and M.D.S. programs under the Faculty of Dentistry is annexed as Annexure –IV.

Item No. AC-21(iii)-19: To consider and approve learning outcomes which are integrated into the Assessment Process.

Resolution No. AC-21(iii)-19: It was resolved that learning outcomes which are integrated into the Assessment Process, be approved and forwarded to the Board of Management for its approval. The Learning outcomes which are integrated into the Assessment Process, Matrix of all courses, Gap Analysis are enclosed as Annexure – V.

Item No. AC-21(iv)-19: To consider starting of Certificate Course in Pediatric Endodontics & Post Endodontic Restorations.

Resolution No. AC-21(iv)-19: After detailed presentation, it was resolved that Certificate Course in Pediatric Endodontics & Post Endodontic Restorations be started from the Academic Year 2019-20 in the Department of Pedodontics & Preventive Dentistry, be approved and forwarded to the Board of Management for its approval. The details of Certificate Course are as under:

Name of the course : Certificate Course in Pediatric Endodontics & Post Endodontic Restorations.
Course Duration : 6 Months (7 Modules)
Intake : 10 candidates per batch
Eligibility : B.D.S.
Selection : Oral Interview after assessing the application
Commencement : from September 2019

The details for Certificate Course in Pediatric Endodontics & Post Endodontic Restorations are annexed as Annexure- VI.

Item No. AC-21(v)-19: To consider starting of Certificate Course in Forensic Odontology.
Resolution No. AC-21(v)-19: After detailed presentation, it was resolved that Certificate Course in Forensic Odontology be started from the Academic Year 2019-20 in the Department of Oral Pathology & Microbiology, be approved and forwarded to the Board of Management for its approval. The details of Certificate Course are as under:

Name of the course : Certificate Course in Forensic Odontology
Course Duration : 6 Months (5 Modules)
Intake : 10 candidates per batch
Eligibility : B.D.S.
Selection : Oral Interview after assessing the application
Commencement : from September 2019

5 Modules

Module 1: Intro & Basics of Forensic Science, Criminology and Law (Teaching 24 hrs Practical 6 hrs)

Module 2: Forensic Odontology techniques (Teaching 20 hrs Practical 10 hrs)

Module 3: Forensic Medicine (Teaching 20 hrs Practical 10 hrs)

Module 4: Forensic Genetics (Teaching 20 hrs Practical 10 hrs)

Total: (Teaching 84 hrs Practical 36 hrs)

Module 5: Assessment

Continuous Theoretical Assessment during Module 1 to 4 = Total 100 Marks

Day 1: Research projects (Total 50 Marks)

- PPT presentation 25 marks
- Written assignment 25 marks

Day 2: Case study (Total 50 Marks)

- PPT presentation 25 marks
- Written assignment 25 marks

Grade	Percentage
A+	90-100%
A	80-89%
B+	70-79%
B	60-69%
C+	50-59%

Day 3: Grade sheet distribution
Certificate distribution

The particulars for Certificate Course in Forensic Odontology are annexed as **Annexure -VII.**

Item No. AC-21(vi)-19: To consider and approve curriculum enhancement (Cell Biology) in the M.D.S. program of Conservative Dentistry & Endodontics.

Resolution No. AC-21(vi)-19: After detailed Presentation, it was resolved that Curriculum enhancement (Cell Biology) in the M.D.S. program of Conservative Dentistry & Endodontics be approved and recommended to the Board of Management for its approval.

- Cell Theory
- Cell Components
- Internal Organization
- Eukaryotic Cells
- Prokaryotic Cells
- Cell Genetics
- How We Study Cells?

(5 HOURS) STUDY MODE- DISCUSSIONS AND SEMINARS

Item No. AC-21(vii)-19: To consider curriculum enhancement made by the Dept. of Prosthodontics.

Resolution No. AC-21(vii)-19: After exhaustive discussions, it was resolved that the following Curriculum enhancement made by the Dept. of Prosthodontics, be approved and recommended to the Board of Management for its approval.

- 1- A) **Topic:** - *Discussion and Demonstrations on concepts and steps in Full Mouth Rehabilitation for Post Graduate Students.*
B) **Duration:** - 6 Months.
C) **Period:** - In Second Term of 1st MDS Academic Calendar.
D) **Schedule:** - 1 Hour Per week.
E) **Framework:** - Detailed Discussion on Topics of Full Mouth Rehabilitation between Post Graduate students and teachers. Discussion will be followed by demonstrations of important steps involved in Full Mouth Rehabilitation.
F) **Outcome:** - Students will become well versed with concept of Full Mouth Rehabilitation which is an important aspect of Prosthodontics.
- 2- A) **Topic:** - Seminars for Final BDS Students.
B) **Period:** - During their clinical posting in second term of Final Year.
C) **Schedule:** - 1 Seminar per Student thrice a week for 1 Hour.
D) **Framework:** - Topics on Removable & Fixed Prosthodontics..
E) **Outcome:** - Students will have a better understanding of the subject and seminar presentation will boost confidence of students particularly during viva in examination.
- 3- A) **Topic:** - Demonstration of steps in casting procedures for II BDS students from wax pattern fabrication to casting.
B) **Period:** - During practical Hours in II year of undergraduate training Program.
C) **Schedule:** - Demonstration of a step will be given immediately after the theory class of the same step.
D) **Outcome:** - Better understanding of the theoretical and practical aspects of casting Procedures.

4- A) **Topic:** - Implant osteotomy and Impression procedures in Implantology on dummy casts as a preclinical exercise in 1st MDS.

B) **Period:** - During First 3 months of date of joining course.

C) **Outcome:** - Students will receive demonstration and perform osteotomy and impression procedures in dental implantology on dummy casts.

Item No. AC-21(viii)-19: To consider the Interdisciplinary subjects of B.D.S. Programme.

Resolution No. AC-21(viii)-19: It was resolved that the interdisciplinary subjects of B.D.S. Programme under the Faculty of Dentistry, be approved and recommended to the Board of Management for its approval. The details are enclosed as Annexure – VIII.

Item No. AC-22-19: To consider the recommendations made by the Faculty of Allied Medical Sciences in its meeting held on 17th July, 2019.

Item No. AC-22(i)-19: To consider examination reforms in B.P.T. (General Medicine) & M.P.T. (Recent Advances) Subjects.

Resolution No. AC-22(i)-19: It was resolved that the following revised examination reforms in B.P.T. (General Medicine) & M.P.T. (Recent Advances) Subjects be approved and forwarded to the Board of Management for its approval.

Previous Pattern: Program Code B.P.T., Course Code PT 403

Sec A	MCQ (10 MCQ CVS & Gerontology & 10 MCQs Dermatology)	20x1=20 Marks
Sec B	<ul style="list-style-type: none"> Very Short answer questions. Answer any 5 out of 6 Short answer questions. Answer any 3 out of 4 	5x3=15 3x5=15
Sec C	<ul style="list-style-type: none"> Long Answer Questions (compulsory) Long Answer Questions Answer any 1 out of 2 	1x15=15 1x15=15

Proposed Pattern: Program Code B.P.T., Course Code PT 403

Sec A	Q.1) MCQ (20 MCQ Gen. Medicine, RS, CVS, Rheumatology, Gerontology)	20x1=20 marks
Sec B	Q.2 & Q.3 from Gen. Medicine, Rheumatology, RS & CVS Q.2) Very Short answers questions. (any 5 out of 6) Q.3) Short answer questions. (any 3 out of 4)	5x3=15 3x5=15
Sec C	Q.4) Very Short answer questions. Answer any 5 out of 6 (Gerontology) Q.5) Short answer questions. Answer any 3 out of 4 (Dermatology)	5x3=15 3x5=15

Previous Pattern: Program Code M.P.T., Course Code- M.P.T. (A-H) 303 & MPT (A-H) 403

Elective based Recent advances – I					
Written		Total	Practical		Total
IA	Final exam	Final exam	IA	Final exam	Final exam
20	80	100	--	--	--

Preliminary Examination/University (Final) Examination - Written Examination (80 marks)

Part A	Essay 1 X 15marks	= 15 marks
	Short Answers (Any three out of four) 3 X 5 marks	= 15 marks
	Short Notes (Any five out of six) 5 X 2 marks	= 10 marks
Part B	Essay 1 X 15marks	= 15 marks
	Short Answers (Any three out of four) 3 X 5 marks	= 15 marks
	Short Notes (Any five out of six) 5 X 2 marks	= 10 marks

Proposed Pattern: Program Code MPT, Course Code- M.P.T. (A-H) 303 & M.P.T. (A-H) 403

Elective based Recent advances – I					
Written		Total	Practical		Total
IA	Final exam	Final exam	IA	Final exam	Final exam
10	40	50	--	--	--

Preliminary Examination/University (Final) Examination - Written Examination (40 marks)

Part A	Essay 1 X 15marks	=	15 marks
	Short Answers (Any three out of four) 3 X 5 marks	=	15 marks
	Short Notes (Any five out of six) 5 X 2 marks	=	10 marks

Item No. AC-22(ii)-19: To consider revised format for M.P.T. Transcript.

Resolution No. AC-22(ii)-19: It was resolved that the revised format of MPT- Transcript be approved and forwarded it to the Board of Management for its approval. Revised format for MPT- transcript is enclosed as Annexure – IX.

Item No. AC-22(iii)-19: To consider the Interdisciplinary subjects for B.P.T. and M.P.T. programmes.

Resolution No. AC-22(iii)-19: It was resolved that the interdisciplinary subjects for B.P.T. and M.P.T. programmes, be approved and recommended to the Board of Management for its approval. The details of interdisciplinary courses are enclosed as Annexure – X.

Item No. AC-22(iv)-19: To consider inclusion of subject Biological Diversity in the syllabus.

Resolution No. AC-22(iv)-19: It was resolved that the Biological Diversity subject should be included in B.P.T. – Community Medicine syllabus from the Academic Year 2019-20. The same be recommended to the Board of Management for its approval.

Item No. AC-22(v)-19: To consider revised Program Codes for M.P.T. Speciality.

Resolution No. AC-22(v)-19: It was resolved that the following revised Program Codes for M.P.T. Speciality be approved. The recommendations be forwarded to the Board of Management for its approval.

Previous Programme Codes		Proposed revised Programme Codes	
Sr. No.	Course	Program me Code	Course
A	MPT: Orthopedics	MPT- 1	MPT : Orthopedics
B	MPT: Neurosciences	MPT- 2	MPT : Neurosciences
C	MPT: Cardio-Respiratory Sciences	MPT- 3	MPT : Cardio – Respiratory Sciences
D	MPT: General & Community Based Rehabilitation	MPT- 4	MPT : General & Community Based Rehabilitation
E	MPT: Paediatrics	MPT- 5	MPT : Paediatrics
F	MPT: Musculoskeletal Sciences & Sports	MPT- 6	MPT : Musculoskeletal Sciences & Sports
G	MPT: Musculoskeletal Sciences & Manual Therapy	MPT- 7	MPT : Musculoskeletal Sciences & Manual Therapy
H	MPT: Musculoskeletal Sciences & Hand Conditions	MPT- 8	MPT : Musculoskeletal Sciences & Hand Conditions

Item No. AC-22(vi)-19: To consider Graduate attributes, Program Outcomes (POs), Course Outcomes (COs), Outcome Analysis of COs & POs and mapping of COs with POs for B.P.T. and M.P.T. programs.

Resolution No. AC-22(vi)-19: It was resolved that the Graduate Attribute, Program Outcomes (POs), Course Outcomes (COs), Outcome Analysis of COs & POs and mapping of COs with POs for B.P.T. and M.P.T. programs be approved and recommended to the Board of Management. The details of Course Codes and Graduate Attributes, Program Outcomes (POs), Course Outcomes (COs) and Outcome Analysis of COs & POs and map analysis for B.P.T. and M.P.T. programs under the Faculty of Allied Medical Sciences are enclosed as Annexure – XI.

Item No. AC-23-19: To consider the recommendations made by the Faculty of Homoeopathy its meeting held on 18th July, 2019.

Item No. AC-23(i)-19: To consider and approve of M.D. (Hom.) Part -II Syllabus Objective & Outcomes, Syllabus and Theory Examination pattern and Practical / viva voce examination pattern.

Resolution No. AC-23(i)-19: After due deliberations by the members of Academic Council it was resolved that Graduate Attribute, Programme Outcomes (POs), Course Outcomes (COs) and Outcome Analysis of COs & POs, Theory and Practical / viva voce examination pattern for M.D.(Hom.) Part-II Programme under Faculty of Homoeopathy from the Academic Year form 2019-20 be approved and recommended to the Board of Management for its approval.

Programme & Course codes are as follows;

Programme & Programme Code	Course & Course Code	Theory Code	Viva Code
MDH1 M.D. (Hom.) - Materia Medica	MDH 201 Materia Medica	Paper I : MDH 201 A Paper II: MDH 201 B	MDH 201
MDH2 M.D. (Hom.)-Homoeopathic Philosophy	MDH 202 Homoeopathic Philosophy	Paper I : MDH 202 A Paper II: MDH 202 B	MDH 202
MDH3 M.D. (Hom.) - Repertory	MDH 203 Repertory	Paper I : MDH 203 A Paper II: MDH 203 B	MDH 203

Examination pattern is as follows;

Total Marks: 100

Total Time: 3 hours

Instructions:

1. Use blue/ black ball point pen only. Gel pen is not permitted
2. Do not write anything on the blank portion of the question paper.
3. All questions are compulsory
4. The number to the right indicates full marks
5. Draw diagrams wherever necessary
6. Distribution of syllabus in question paper is only meant to cover entire syllabus within the stipulated frame. The question paper pattern is a mere guideline. As it is only for the placement sake, the distribution has been done.

- | | |
|---|-----------------|
| Q 1- Long Answer Question.(Case based scenario) | [1*20=20 marks] |
| Q 2- Long Answer Question | [1*20=20 marks] |
| Q 3- Long Answer Question | [1*20=20 marks] |
| Q 4- Write Long answer (any 2 out of 3)
(a),(b),(c) | [2*10=20 marks] |
| Q 5- Write Short Answer (any 4 out of 5)
(a),(b),(c),(d),(e) | [4*5=20 marks] |

Mark Distribution

Subject	Theory	Practical	Total	Pass Mark
Paper - I Paper - II	200	200	400	200

Oral / Practicals: Distribution of Marks (Practical)

Sr. No	Contents	Marks
1	Long Case	60
2	Short Case	30
3	Dissertation	50
4	Viva	50
5	Comm. Skills	10
	Total	200

Details of the Graduate Attribute, Programme Outcomes (POs), Course Outcomes (COs) and Outcome Analysis of COs & POs for M.D. (Hom.) Part-II Programme and Syllabus, Examination pattern are enclosed as Annexure – XII.

Item No. AC-23(ii)-19: To consider and approve the syllabus for Pre-Ph.D. Examination
Resolution No. AC-23(ii)-19: After due discussion by the members of Academic Council it was resolved that the syllabus for the Pre-Ph.D. Examination, be approved. The recommendations be forwarded to the Board of Management for its approval. Details of the syllabus are enclosed as Annexure – XIII.

Item No. AC-23(iii)-19: To approve the proposal to start two new programs –

- M. D. (Hom) Homeopathic Pharmacy.
- M. D. (Hom) Practice of Medicine.

Resolution No. AC-23(iii)-19: After due deliberations by the members of Academic Council, it was resolved that starting of new programme of M.D. (Hom.) in Homeopathic Pharmacy and M. D. (Hom) Practice of Medicine with intake of 6 (six) students for each programme to be started from the Academic year 2020-21 be approved and recommended to the Board of Management for its approval.

Details of the M.D. (Hom.) in Homeopathic Pharmacy and M. D. (Hom) Practice of Medicine Program as follows:

- Duration of program:** 3 years.
 Part I: One and Half -years.
 Part II: One and Half -years.

2. Eligibility

- i. Candidate must pass AIAPGET (All India AYUSH Post Graduate entrance test) with 50th percentile marks.
- ii. Candidate must possess Bachelor of Homoeopathic Medicine and Surgery or equivalent qualification in Homoeopathy included in the Second Schedule to the act and must have completed one year compulsory internship.
- iii. Bachelor of Homoeopathic Medicine and Surgery (Graded degree) Or equivalent qualification in Homoeopathy included in the second Schedule to the act after undergoing a course of study of not less than 2 years duration.

3. Curriculum

a. M. D. (Hom.) Homoeopathic Pharmacy:

- M. D. (Hom.) Part I :
 - 1) Homoeopathic Pharmacy
 - 2) Research methodology and Bio-Statistics
 - 3) Advance teaching of fundamental of Homoeopathic
- M. D. (Hom.) Part II:
 - 1) Homoeopathic Pharmacy – I
 - 2) Homoeopathic Pharmacy-II

b. M.D.(Hom.) Practice of medicine:

- M. D. (Hom.) Part I :
 - 1) Practice of medicine
 - 2) Research methodology and Bio-Statistics
 - 3) Advance teaching of fundamental of Homoeopathic
- M. D. (Hom) Part II:
 - 1) Practice of medicine-I
 - 2) Practice of medicine-II

4. Examination pattern:

a. M. D. (Hom.) Homoeopathic Pharmacy- Part I

Sr. No	Subjects	Theory (Maximum Marks)	Practical / Clinical including Viva-Voce	Total Marks	Pass Marks
1	Homoeopathic Pharmacy	100	50	150	75
2	Research Methodology and Bio-Statistics	100	-	100	50
3	Advanced teaching of Fundamentals of Homoeopathy	100	50	150	75

M. D. (Hom.) Homoeopathic Pharmacy- Part II

Subjects	Theory (Maximum Marks)	Practical / Clinical including Viva-Voce	Total Marks	Pass Marks
Homoeopathic Pharmacy				
Paper I	100	200	400	200
Paper II	100			

b. M. D. (Hom.) Practice of medicine - Part I

Sr. No.	Subject	Theory (Maximum marks)	Practical / Clinical including Viva-Voce	Total Marks	Pass Marks
1	Practice of medicine.	100	50	150	75
2	Research Methodology and Bio-Statistics	100	-	100	50
3	Advanced teaching of Fundamentals of Homoeopathy	100	50	150	75

M. D. (Hom.) Practice of medicine - Part II

Subjects	Theory (Maximum marks)	Practical/Clinical including Viva-Voce	Total Marks	Pass Marks
Practice of Medicine				
Paper I	100	200	400	200
Paper II	100			

Item No. AC-23(iv)-19: Graduate Attributes, Programme Outcomes (POs), Course Outcomes (Cos) and Outcome Analysis of COs & POs for B.H.M.S. programmes and M.D. Programmes under the Faculty of Homoeopathy.

Resolution No. AC-23(iv)-19: It was resolved that the Graduate Attributes, Programme Outcomes (POs), Course Outcomes (COs) and Outcome Analysis of POs COs for UG and PG programs under the Faculty of Homoeopathy, be approved and forwarded to the Board of Management for its approval. The details of Graduate Attributes, Programme Outcomes (POs), Course Outcomes (COs) and Outcome Analysis of POs & COs for B.H.M.S. programmes and M.D. Programmes under the Faculty of Homoeopathy are enclosed as Annexure – XIV.

Item No. AC-23(v)-19: To consider the Interdisciplinary subjects of B.H.M.S and M.D. (Hom.) Program.

Resolution No. AC-23(v)-19: It was resolved that the interdisciplinary subjects of B.H.M.S and M.D. (Hom.) Program, be approved. The list of interdisciplinary subjects is enclosed separately.

Item No. AC-24-19: To consider the recommendations made by the Faculty of Medicine in its meeting held on 20th July, 2019.

Item No. AC-24(i)-19: To consider and approve the University Practical Examination Pattern as per CBME curriculum of MCI.

Resolution No. AC-24(i)-19: After full discussion it was resolved that the University Practical Examination Pattern as per CBME curriculum of MCI for the Department of Anatomy, Physiology and Biochemistry be approved in principle till receiving Gazette Notification of MCI Regulations as follows and recommended to the Board of Management for its consideration and approval.

Subject	Practical's	Viva	Total
Anatomy	70	30	100
Physiology	70	30	100
Biochemistry	70	30	100

Total Practical Marks: 100 (Viva Marks are included in Practical)

Existing Practical Examination Pattern for Anatomy

Practical						Viva			Total
Histo Spot	Histo Viva	Radiology	Surface Anatomy	Soft part Above dia	Soft part Below dia	Osteology Axial	Osteology App.	Embryo	60 Marks
(05)	(05)	(05)	(05)	(10)	(10)	(10)	(05)	(05)	
40 Marks						20 Marks			

Proposed University Practical Examination pattern as per CBME curriculum of MCI

Practical							Viva				Grand Total
Histo Spot	Histo Viva	Journal	Surface Anatomy	Clinical Anatomy	Soft part Above dia	Soft part Below dia	Osteology Axial	Osteology App.	Embryo	Radio	100 Marks
(10)	(05)	(05)	(05)	(05)	(20)	(20)	(10)	(10)	(05)	(05)	
70 Marks							30 Marks				

Existing Practical exam Pattern for Physiology:

Hematology	Clinical		Spots	Total
	I CVS & RS 10	II Special senses/GIT & CNS 10		
(10)	(20)		10	(40)

Proposed University Practical Examination pattern as per CBME curriculum of MCI.

Practical					Viva	Grand Total
Hematology	Clinical		Short exercises	Journal	Viva	100 Marks
	I CVS&RS	II CNS, Abdomen & Special senses				
(15)	(20)	(20)	(10)	(05)	(30)	
70 Marks					30 Marks	

Existing Practical Examination Pattern for Biochemistry:

Practical			Viva		Grand Total
Quantitative Experiment from group A	Qualitative/Quantitative Experiment from group B	Spots identification from group C	Theory viva	Case history	60 Marks
(20)	(15)	(05)	(15)	(05)	
40 Marks			20 Marks		

Proposed University Practical Examination pattern as per CBME curriculum of MCI

Practical					Viva		Grand Total
Quantitative estimation A	Urine report B	Quality control C	Spots D	Journal E	Paper I Viva+ Case	Paper II Viva+ Case	100 Marks
(25)	(20)	(10)	(10)	(05)	(10+05)	(10+05)	
70 Marks					30 arks		

Item No. AC-24(ii)-19: To consider change in number of students from 30 to 25 per batch for practical examinations.

Resolution No. AC-24(ii)-19: After detail discussion it was resolved that the number of students for practical examination be 25 to 30 from the batch admitted in the Academic Year 2019-20 of which examination to be held in the month of June/July, 2020 & onwards subsequently. The recommendations were forwarded to the Board of Management for its approval.

Item No. AC-24(iii)-19: To consider starting of Fellowship Programme in Rheumatology.

Resolution No. AC-24(iii)-19: After detailed dialogue it was resolved that the Fellowship Programme in Rheumatology be started in the Department of Medicine from the Academic Year 2019-20 and recommended to the Board of Management for its consideration and approval. The details of the programme are as follows:

Title	: Fellowship in Rheumatology
Duration	: 1 Year
Intake	: 6 students
Commencement	: 1 st August of the calendar year.
Eligibility	: M.D. (Medicine) / D.N.B.(Medicine) from MCI recognized college.
Selection Criterion	: If the number of students applied is excess than the intake capacity then entrance test to be conducted for selection of candidate.
Fees proposed	: 1 Lakh
Examination	: last week of the programme

Overview of topics covered:

1. Introduction to Musculoskeletal system and approach to musculoskeletal disease– 4 weeks
2. Examination of joints and skeleton : 4 weeks
3. Basic investigations : biochemical, immunological and radiology : 3 weeks
4. Rheumatoid arthritis: 4 weeks
5. Spondyloarthritis :3 weeks
6. Approach to connective tissue disease : 3 weeks
7. Systemic lupus erythematosus: 4 weeks
8. Other CTD: Ssc, PM/DM/Sjogrens/MCTD and overlap syndromes: 4 weeks
9. Vasculitis : 4 weeks
10. Rheumatology :Indian perspective : 4 weeks : 1 week each : Chikungunya related arthritis, viral and post viral arthritis, TB and Leprosy related arthropathy
11. Paediatric rheumatology: a brief overview :4 weeks
12. Miscellaneous : Sarcoidosis, autoinflammatory syndromes : 2 weeks
13. Allied : skin, eye, gut and neurology in Rheumatic disease: 4 weeks
14. Therapeutics and recent advances including biologic therapy : 2 weeks

Structure of the course:

- Fellow will attend Rheumatology OPD/Clinic services provided by Department of Medicine on 2 days a week: Mondays and Wednesdays.
- Rounds in morning of admitted patients and liason with medicine residents
- Attend interdepartmental calls
- Learn and perform basic procedures such as joint aspirations and injections

● **Academics:**

- Case presentation : 2 days a week
- Seminar on clinical aspects or management/ recent advances : 1 day a week
- Journal club: 1 day a week, latest research/therapeutics
- Project : Fellow will have to prepare a short project work which can be an observational or case control study/survey duly approved by IEC and College scientific committee and submit the report to the faculty
- Present 1 paper / poster in a national conference (IRACON) or present 2 presentations at local/regional meetings of MRA.

Final Examination: At end of course: Formative assessment: 400 marks

Theory Examination		Practical Examination	
Short Answer type	150 Marks	1 Long case	100 Marks
MCQ	50 Marks	2 Short Cases x 25 Marks Each	50 Marks
		Table Viva with drugs, X-rays, CT/MRI and recent advances	50 Marks
Total	200 Marks	Total	200 Marks
Total – 400 Marks			

Requisite qualifications for teachers:

1. DM / DNB – Rheumatology

OR

- a. Medical Teacher with 5 years teaching experience in Medicine and having at least one year post MD/DNB certification in Rheumatology.
- b. At least 2 Research Publications as first or corresponding author.
- c. Life Membership of Indian Rheumatology Association or American Rheumatology Association or EULAR (European League against Rheumatism) for Medical Teachers who are not DM / DNB Rheumatology.

Exam will be conducted in the 52nd week.

- Candidate will be evaluated by 2 qualified examiners independently one internal & one external.
- Minimum passing marks are 50% each in theory and practical to qualify.
- During the course each case presentation, seminar and journal class will be marked out of 10 marks.
- During the course, the candidate shall maintain logbook for attendance and academic purpose. Logbook will be provided at time of submission of application form along with the fees at Dean Office.
- On completion of course, candidate shall be eligible for certification of completion, mark sheet and fellowship certificate.

Item No. AC-24(iv)-19: To consider change in PG syllabus as per 2018 guidelines of MCI. During the discussions, the Head of Department of General Medicine and Head of Department of Psychiatry have made presentation on changes in PG Syllabus, prepared as per MCI guidelines of 2018.

Resolution No. AC-24(iv)-19: After due deliberations it was resolved that the changes in syllabus of M.D. (General Medicine) and M.D. (Psychiatry), as per MCI guidelines of 2018, be approved and implemented from the batch admitted from the Academic Year

2019-20 onwards. The recommendations be forwarded to the Board of Management for its approval. The detail syllabus is enclosed Annexure – XV (a) & (b).

Item No. AC-24(v)-19: To consider and approve the copy of Log Book for D.M. (Neurology) and D.M. (Cardiology).

Resolution No. AC-24(v)-19: After detailed discussion it was resolved that the Log Book for D.M. (Neurology) and D.M. (Cardiology) be approved and recommended to the Board of Management for its approval. The copy of the Log Books are enclosed as Annexure – XVI (a) & XVI (b).

Item No. AC-24(vi)-19: To consider proposal of sending 2nd Year D.M. (Neurology) students for 1 month each by rotation to Bombay Hospital, Mumbai for hands on training in advance Electrophysiology and Clinical Neurology exposure.

[Our Electrophysiology lab has only one technician who has been trained in basic Neuro Electrophysiology (EEG) & NCV/EMG/EP by us. Bombay Hospital, Mumbai has the best advanced Electrophysiology lab which is being run by a very competent Electrophysiologist trained abroad. Such techniques include single fiber EMG, investigation of autonomic nervous system video nystagmogram etc. decides the clinical exposure to other hospital will also enrich their knowledge. Students will continue to get their stipend during this period of attachment.]

Resolution No. AC-24(vi)-19: After full deliberations it was resolved that students of 2nd Year D.M. (Neurology) be allowed to go for hands on training in advanced Electrophysiology and Clinical Neurology exposure for 1 month each by rotation to Bombay Hospital, Mumbai on the condition of following compliances:

1. Dr. D. Y. Patil Medical College should obtain written permission from Bombay Hospital, Mumbai.
2. The undertaking should be taken from the students stating that, the expenses such as logistics, accommodation, fees, if any arise, should be borne by themselves.
3. On completion of training the attendance of the students should be communicated to our Medical College by the Bombay Hospital, Mumbai.
4. The candidate will get stipend during this period as per the attendance.

The recommendations be forwarded to the Board of Management for its consideration and approval.

Item No. AC-24(vii)-19: To consider modifications in M.D. (Respiratory Medicine) Practical examination pattern.

The Head, Department of Respiratory Medicine proposed the modifications in Practical examination pattern of M.D. (Respiratory Medicine) as follows:

A) Practical/Clinical & Oral / viva voce examination

a) Practical/Clinical examination				Comments
Existing		Proposed		
Long case	Marks–150	Long case	Marks– 100	Critical care is included in PG curriculum; hence case on ventilator has been added.
Short case 1	Marks – 65	Short case 1	Marks – 50	
Short case 2	Marks – 65	Short case 2	Marks – 50	
		Case on ventilator	Marks – 50	The bronchoscopy is a most important pulmonary intervention and will be assessed in a realistic manner in bronchoscopy suite.
		Pulmonary intervention	Marks – 50	
	Total: 280 Marks		Total: 300 Marks	



b) Oral/ Viva voce		
Table Viva (Four Tables) Radiology, Drugs, Charts and Instruments Marks – 120 (30 marks each)	Table Viva (Four Tables) Radiology, Drugs, Charts and Instruments Marks – 100 (25 marks each)	Marks have been decreased to make total of 400

Resolution No. AC-24(vii)-19: It was resolved that modifications in Practical examination pattern of M.D. (Respiratory Medicine) to be implemented from the batch admitted from the A. Y. 2019-20 onwards, be approved and recommended to the Board of Management for its approval.

Item No. AC-24(viii)-19: To consider starting of Certificate Course in Clinical Genetics in the department of Paediatrics.

Resolution No. AC-24(viii)-19: After complete discussion it was resolved that Certificate Course in Clinical Genetics be started in the Department of Paediatrics from the Academic Year 2019-20. The recommendations be forwarded to the Board of Management for its approval.

The details of the course are as follows:

- Title** : Certificate Course in Clinical Genetics
- Eligibility** : M.B.B.S./Postgraduate in medical subjects/M.Sc. (Biotechnology) / M. Sc. (Medical Biochemistry) /B. Tech. (Medical Biotechnology) / M. Sc. (Human Genetics) / Molecular Biology / Allied Health Sciences programs from a recognized University, with minimum 50 % aggregate marks or equivalent.
- Duration** : 6 Months (2 contact courses of six days/2 months for total six months)
- Intake** : 10 (Ten)
- Fees Proposed** : Rs. 40,000/-
- Selection Criteria:** Entrance Examination + Interview
- Examination** : At the end of tenure candidate will have to appear for examination which will be conducted as theory and Practical exam.

There will be 2 theory question papers of 100 marks each.

Theory

1. Paper I- Basic Genetics, Biochemical genetics – 100 marks
2. Paper II – Clinical genetics – 100 marks

Practical examination will have:

One Short Case of 50 Marks and Structured Oral Viva of 50 Marks

Practical exam will be conducted by external and internal examiners.

After successfully completion of course candidate will be awarded certificate as Certificate Course in Clinical Genetics by Dr. D. Y. Patil Vidyapeeth, Pune

Details of the course are as follows:

INTRODUCTION

Current Status of Genetics in India:

1. Genetics is very important subspecialty of Pediatrics and every branch of medicine.



2. There is a great demand for Geneticists in clinical practice as well as in laboratory as there is growing sub specialization in each field of medicine.
3. Only few centres in India who are offering Genetics training to postgraduates and doctors.
4. Molecular biology is advancing fast and invading into each branch of medicine hence Genetics counseling is the need of hour
5. Genetic Counseling is largely being provided by General Medical professionals or specialists of other fields like Gynecologists, Pediatricians, Oncologists, etc, who are not trained in Human Genetics or Genetics Counselling. In some institutions Clinicians in DM Genetics (Trained at SGPGI, Lucknow) and in other, Paediatricians with Clinical Genetics post graduation done from International centers carry out Genetic Counselling. While in other centers M.Sc. or M.D. with Ph.D. in Genetics provide counselling.

Places offering IN Fellowship in India these include

1. Post Graduate Certificate Course in Medical & Genetic Counselling at Kamineni Hospitals, Hyderabad
2. Certificate Course in Genetic Counselling in Manipal Hospitals, Bangalore .
3. M.Sc.Biomedical genetics with Genetic counselling, Vellore Institute of Technology.
4. M.Sc. Genetic counselling, Kasturba Medical College, Manipal (2015).

Scope: After this degree, students can have an academic career: diagnosis and counseling in genetic OPD / research, dysmorphology, laboratory techniques as per PCPBNDDT rule.

Overall Goal: The aim of the course is to impart thorough and comprehensive training to the candidate in the various aspects of the specialty of Genetics to enable the learner to be competent Genetic Counselor

Specific Objectives:

- Eliciting of medical history, developmental and reproductive history and family history, including drawing of detailed pedigree chart;
- Conducting physical examination of affected and related individuals including fetal examination where required.
- Recording morphological features and anthropometry and documentation of the findings, including photographs, Identification of syndromes, Arriving at differential diagnosis
- Planning consultations with relevant specialties and investigations, and pre-test counseling
- Obtaining the informed consent for procedures ,Interpreting and explaining the results of genetic tests such as results of screening tests, chromosomal, biochemical and molecular diagnosis
- Determining the mode of inheritance and risk of occurrence and recurrence of the genetic condition/birth defect, and appropriate communication
- Explaining the diagnosis, etiology, natural history, monitoring and management of a genetic disorder and providing counseling for reproductive options including prenatal diagnosis and anticipatory guidance
- Providing general, supportive & specific medical care to the affected individuals, including appropriate interventions where necessary; Providing psychosocial support
- Providing written documentation of medical, genetic and counselling information for families and other health professionals.
- Acquire knowledge of legal and ethical responsibilities and guidelines

Program:

1. Candidate initially for six months course with exposure to paediatric outpatient and inpatient unit with Genetic cases are referred to as rotational posting in NICU, labour room, ward rounds and OPD
2. Laboratory posting in biotechnology, biochemistry, cytoetics, and molecular genetics. – 6 months can be taken after course as per aptitude of the candidate.
3. Project work – as course work SHORT Project

Attendance of minimum 80% of contact sessions conducted will be mandatory. Theory lectures & seminars will be conducted by multidisciplinary team of speakers including faculty from PDYPMC & guest speakers. Multi-disciplinary faculty from department will be involved in this course.

- Pre test questionnaire will be given at the beginning of the contact course.
- Practical experience to participants will be available through workshops conducted by faculty, PG students & technicians.
- Post course assessment will be done with questionnaire. It will be taken as internal assessment of 20 marks after each contact course (total 2 internal assessments of total 40 marks)

All registered candidates will face a pre course assessment with multiple choice questions regarding the basic understanding of the field.

Syllabus:**I) Basic Genetics:**

- i. Mendelian principles of inheritance, Polygenic/Quantitative inheritance, Mitochondrial inheritance and Non-traditional modes of inheritance such as anticipation, genomic imprinting, uniparental disomy etc.; their application to diagnosis and counseling of patients with genetic disorders.
- ii. Chromosome structure, morphology and nomenclature, as it relates to clinical disease (e.g. chromosomal syndromes and cancer, including micro-deletion syndromes and chromosomal breakage syndromes)
- iii. Principles and application of various cytogenetic techniques (e.g. banding, in-situ hybridization etc.) in postnatal as well as in prenatal diagnosis, Chromosomal aberrations
- iv. Basic biochemistry and its application to understanding of the pathophysiology and management of genetic disease especially inborn errors of metabolism
- v. Laboratory investigations for diagnosis of inborn errors of metabolism (enzyme assays, electrophoresis, chromatography, HPLC, etc.)
- vi. Normal and abnormal gene structure and function, mutations
- vii. Principles and application of current molecular genetic techniques (e.g., cloning, RFLP analysis, Southern blotting, Dot blotting, PCR etc).
- viii. Human Genome map and Human Genome sequence and its application to human health and disease techniques of genetic manipulation for gene therapy and the current status of its applications
- ix. Biostatistics in medical genetics

II) Clinical Genetics:

- Chromosomal disorders
- Monogenic disorders
- Polygenic/ Multifactorial disorders, including congenital malformations

- Mitochondrial disorders
- Cancer (genetic aspects)
 - i) Clinical and laboratory, management and genetic counseling aspects of the following clinical presentations of genetic disorders, including the exclusion of non-genetic causes:
 - a) Mental retardation/Developmental delay/Regression of milestones
 - b) Congenital malformations, dysmorphism, multiple malformation syndromes
 - c) Genetic hemolytic anaemia
 - d) Genetic disorders of blood coagulation
 - e) Genetic neurological and muscle disorders, including disorders of senses such as deafness
 - f) Disorders of male and female sexual differentiation and development, such as ambiguous genitalia, hypogonadism, primary ammenorrhoea and infertility
 - g) Neonatal hyperbilirubinaemia
 - h) Short stature , including genetic disorders of skeleton
 - i) Overgrowth syndromes
 - j) Genetic disorders of eye and skin
 - k) Recurrent spontaneous abortions, stillbirths and perinatal deaths
 - l) Any familial disorder
 - m) Any congenital disorder
 - n) Teratogenic exposure during pregnancy including drugs, infections and radiation
 - ii) Etiology and pathogenesis in dysmorphology including the distinction between malformations, deformations, disruptions and dysplasias; syndromes, associations and sequences. Approach to identification and diagnosis using medical literature and computer databases.
 - iii) Diagnosis of metabolic diseases: An approach to diagnosis of metabolic disease using initial screening techniques and then more definitive biochemical parameters an enzyme assays, management and prognosis in metabolic disorders including information regarding therapeutic benefits of dietary management, use of vitamin factors, drugs and interventions such as bone marrow transplant.
 - iv) Genetic counseling
 - v) Prenatal diagnosis: Counseling regarding various prenatal diagnosis techniques, risks associated with invasive procedures, interpretation of laboratory results and their limitations. Observe foetal sampling procedure (amniocentesis, chorion villus sampling, cordocentesis) and foetal ultrasonography
 - vi) Population screening/community genetics: Primary prevention of common disorders e.g. neural tube defects, Down syndrome and Haemoglobinopathies
 - vii) Familiarity with ethical, legal and social issues which relate to the practice of medical genetics; and the rules/regulations/guidelines

III) Laboratory Genetics Visit**i) Microscopy techniques:**

- Light Microscopy:
- Phase-contrast Microscopy
- Fluorescence Microscopy
- Photomicrography

ii) Biochemical Visit

- Colorimetry, spectrophotometry and spectrofluorometry:
- Electrophoresis
- Chromatography: Paper, Thin layer, HPLC

iii) Cytogenetics: Observation

- Peripheral blood cultures
- Amniotic fluid CVS culture
- Harvesting & slide preparation
- G, Q, C banding techniques
- Identification of chromosome & karyotyping
- Cytogenetics nomenclature
- Direct preparations from chorionic villi
- Fluorescence In-Situ Hybridization, Aneuploidy detection in interphase
- Microdeletion syndrome
- Cytogenetics for fragile X syndrome and chromosomal breakage syndromes

iv) Molecular Genetics: Observation

- Extraction of DNA
- Polymerase chain reaction
- DNA electrophoresis/Dot Blot analysis
- Use of molecular techniques for detection of point mutations, deletion, microsatellite repeats
- Restriction fragment length polymorphism - Southern blot
- General knowledge of positional cloning for mapping, linkage analysis, genome wide search & sequencing.

IV) Biochemical Genetics

- Screening tests for Inborn Errors of Metabolism eg., Guthrie's test, Ferric Chloride test, Cyanide-Nitroprusside test, Toluidine Blue test, tests for urinary sugars, thin layer chromatography for urinary & plasma amino acids etc
- Confirmatory tests for IEM including enzyme assays,
- Tests for diagnosis of thalassemia & hemoglobinopathies

V) Screening: Newborn screening & antenatal screening for genetic disorders**Textbook and reference books:**

1. Emery and Rimoin's Principles and Practice of Medical Genetics 6th Edition By David Rimoin Reed Pyeritz Bruce Korf
2. Practical Genetic Counselling 7th Edition 7th Edition by Peter Harper (Author)
3. Diagnostic Dysmorphology Authors: Aase, J.M.
4. Smith's Recognizable Patterns of Human Malformation, 7th Edition by Kenneth Lyons Jones & Marilyn Crandall Jones & Miguel del Campo
5. Mendelian Inheritance in Man 1st Edition by Victor A. McKusick
6. The Metabolic and Molecular Bases of Inherited Disease (Scriver, C. R., Beaudet, A. L., Sly, W. S., Valle, D., Childs, B., Kinzler, K. W., and Vogelstein, B., eds., 8th ed.

Item No. AC-24(ix)-19: To consider recommendations of Medical Council of India (Board of Governors) regarding starting of online Course in Research Methods for all PG students and faculty from the Academic Year 2019-20.

[To comprehend the evidence published in biomedical literature, doctors need to have understanding of research methods. Therefore, acquiring research skills is an integral component of postgraduate training in the country. To ensure that all postgraduate students and faculty acquire the necessary skills, the Board of Governors of the Medical Council of India has decided to introduce an online course in Basic Research Methods for all postgraduate students in the country and also for the faculty training them.]

Resolution No. AC-24(ix)-19: As Medical Council of India made it compulsory, it was resolved that the Online Course in Research Methods recommended by the Medical Council of India (Board of Governors) for all postgraduate students admitted from the Academic Year 2019-20 onwards, be started. The recommendations were forwarded to the Board of Management for its approval.

Item No. AC-24(x)-19: Graduate Attributes, Programme Outcomes (POs), Course Outcomes (Cos), Outcome Analysis of POs & COs and mapping with objective for all courses of UG and PG Programmes of Pre-Clinical and Medicine Subjects under the Faculty of Medicine.

Resolution No. AC-24(x)-19: It was resolved that the Graduate Attributes, Programme Outcomes (POs), Course Outcomes (COs) and Outcome Analysis of POs & COs for all courses of UG and PG programs of Pre-Clinical and Medicine Subjects under the Faculty of Medicine, be approved and forwarded to the Board of Management for its approval. The details of Graduate Attributes, Programme Outcomes (POs), Course Outcomes (COs) and Outcome Analysis of POs & COs and mapping with objective for all courses for UG & PG Programmes of Pre-Clinical and Medicine Subjects under the Faculty of Medicine are enclosed as Annexure – XVII.

Item No. AC-24(xi)-19: To consider the Interdisciplinary subjects of M.B.B.S, M.D./M.S. and Super-specialty (D.M./M.Ch.) Programs under the Faculty of Medicine.

Resolution AC-24(xi)-19: It was resolved that the interdisciplinary subjects of M.B.B.S., M.D./M.S. and Super-Specialty (D.M. / M.Ch.) Programs for the subjects under Pre-Clinical and Medicine Boards, be approved and forwarded to the Board of Management for its approval. The list of interdisciplinary subjects is enclosed separately.

Item No. AC-25-19: To consider the recommendations made by the Academic and Administrative Audit Committee (AAA) during their visit on 4th, 5th & 6th July, 2019.

Item No. AC-25(i)-19: Consideration of recommendation of Academic and Administrative Audit Committee (AAA) relating to “the process of Double Evaluation and Examination-related grievance redressal mechanism need to revisit for possible modification.”

Resolution No AC-25(i)-19: After consideration of recommendations of AAA Committee, the Academic Council recommended the following proposed Double Evaluation System for the examinations which shall be conducted in the month of Nov./Dec. 2019 and onwards.

Existing Double Evaluation System	Proposed Double Evaluation System
<p>The average marks of the total marks given by two examiners are considered for final computation of the result and such average marks are the marks obtained by the concerned examinee for the particular Paper/Subject, as applicable.</p> <p>If there is a difference of more than 20% marks between the two examiners, the said paper is evaluated by the third Examiner and the average marks of the higher closer two Examiners marks are considered as final marks.</p>	<p>The average marks of the total marks given by two examiners be considered for final computation of the result and such average marks shall be the marks obtained by the concerned examinee for the particular Paper/Subject, as applicable.</p> <p>If there is a difference of more than 15% marks between the two examiners, the said paper shall be evaluated by the third Examiner and the average marks of the higher closer two Examiners marks shall be considered as final marks.</p>

The recommendations of the AAA Committee - July 2019 be placed before the Board of Management for its approval.

Item No. AC-26-19: Any other item with the consent of the chair.

Item No. AC-26(i)-19: To consider (a) feedback analysis as of 31st December 2018 on various defined parameters of each Constituent College / Institute and (b) Structured Consolidated Feedback Report for academic year 2014-15 to 2018-19 along with Action Taken Report.

Resolution No. AC-26(i)-19: After discussions it was resolved that Feedback analysis as of 31st December, 2018 and Structured Consolidated Feedback Report for the academic year 2014-15 to 2018-19 along with Action Taken Report, on various parameters on library, infrastructure, courses offered, faculty, etc. of constituent Institute / Colleges, done by the IQAC, be accepted and forwarded to the Board of Management for its approval.

Item No. AC-26(ii)-19: To consider and approve the revised Bye-Laws and HR Policy Document with revised Promotion Policy for Dr. D. Y. Patil Vidyapeeth and its Constituent Colleges / Institutes.

Resolution No. AC-26(ii)-19: After detailed discussion it was resolved that revised Bye-Laws and HR Policy Document with revised Promotion Policy for Dr. D. Y. Patil Vidyapeeth and its Constituent Colleges / Institutes, be approved and forwarded to the Board of Management for its approval. The copy of Bye-Laws and HR Policy Document is enclosed as Annexure – XVIII.

Item No.AC-26(iii)-19: To approve Ph.D. and Post Doctoral Fellowship Policy and DPU-STS Fellowship of Dr. D. Y. Patil Vidyapeeth, Pune.

Resolution No. AC-26(iii)-19: After due deliberations it was resolved that the Ph.D. and Post Doctoral Fellowship Policy of Dr. D. Y. Patil Vidyapeeth, Pune, be approved. Similarly, DPU-STS Fellowship of Rs. 10,000/- for 20 Undergraduate Students, be approved and forwarded to the Board of Management for its approval. The details of the Ph.D. and Post Doctoral Research Fellowship Policy of the Vidyapeeth is enclosed as Annexure – XIX.

Item No.AC-26(iv)-19: To approve DPU Merit Scholarship Scheme for the students of undergraduate programmes under the constituent colleges / institutes of Dr. D. Y. Patil Vidyapeeth, Pune.

Resolution No.AC-26(iv)-19: After detailed discussions it was resolved that DPU Merit Scholarship be given to approximately 25 to 30% of the intake capacity of the students of Undergraduate Programmes offered at constituent Institutes / Colleges of Dr. D. Y. Patil Vidyapeeth, Pune.

Further it was resolved that, for this scholarship Dean(s), Director(s), Principal(s) and faculties members of the constituent Institutes / Colleges of Dr. D. Y. Patil Vidyapeeth will motivate and inspire all the undergraduates students, for obtaining highest marks in their annual examinations of every academic year. The recommendations be approved and forwarded to the Board of Management for its approval.

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



(Prof. N. J. Pawar)
Chairman



(Dr. A. N. Suryakar)
Registrar

Place: Pune.

Date: 23 / 07 / 2019.