

CIRCULAR :-

The Deans of Medical Colleges are hereby informed that the recommendation made by the Ad-hoc Board of Studies in Surgery and Allied Subjects at its meeting held on 22nd March, 2004 has been accepted by the Academic Council at its meeting held on 2nd April, 2004 vide Item No.4.60 and has subsequently been approved by the Management Council at its meeting held on 17th April, 2004 vide item No.20 and that in accordance therewith the Diploma Course in Orthopaedics will be introduced by the University with effect from the academic year 2004-2005.

Ordinances 5422 and 5423 and Regulations 4650, 4651 and 4652 relating to the scheme, syllabi and Standard of Passing for the Diploma Course in Orthopaedics is as per Appendix.

MUMBAI-400 032

21st May, 2004

AC/2.4.04/4.60

MC/17.4.04/20

for REGISTRAR

To,

The Deans of the Affiliated Colleges of Medical

No.UG/ 191-A of 2004, MUMBAI-400 032, 21st May 2004

Copy forwarded with compliments for information to :-

1. The Dean, Faculty of Medical
2. The Chairman, Ad-hoc Board of Studies in Surgery and Allied Subjects

for REGISTRAR

Copy to :-

The Director, Board of College and University Development, the Controller of Examination, the Deputy Registrar (Eligibility and Migration Section), the Director of Students Welfare, the Personal Assistants to the Vice-Chancellor, the Pro-Vice-Chancellor, the Registrar and the Assistant Registrar, Administrative sub-center, Ramnagiri for information.

The Controller of Examinations (10 copies), Finance and Accounts Officer (2 copies), Record Section (5 copies), Publication Section (5 copies), Deputy Registrar, Enrolment, Eligibility and Migration (3 copies), Deputy Registrar, Statistical Unit (2 copies), Deputy Registrar, Accounts Section, Vidyanagari (2 copies), Deputy Registrar, Affiliation Section (2 copies), The Director, University Computer Center (IDE Building), Vidyanagari, Assistant Registrar, Academic Authorities Unit (2 copies) He is requested to treat this as action taken report on the concerned resolution adopted by the Academic Council referred to in the above Circular and that no separate Action Taken Report will be sent in this connection. Assistant Registrar, Constituent Colleges Unit (2 copies), BUCTU (1 copy), Deputy Accountant, Unit V (1 copy), In-charge Centralized Computing Facility (1 copy), Receptionist (1 copy), Telephone Operator (1 copy), Secretary MUASA (1 copy), Superintendent, Post-Graduate Section (2 copies).

UNIVERSITY OF MUMBAI



ORDINANCES & REGULATIONS INCLUDING SCHEME, SYLLABI AND STANDARD OF PASSING FOR DIPLOMA IN ORTHOPAEDICS

(with effect from the academic year 2004-2005)

UNIVERSITY OF MUMBAI



ORDINANCES & REGULATIONS INCLUDING SCHEME, SYLLABI AND STANDARD OF PASSING FOR DIPLOMA IN ORTHOPAEDICS

(with effect from the academic year 2004-2005)

O.5422 Title of the Diploma in Orthopaedics

O.5423 Eligibility for Registration

Every candidates for Registration to the graduate diploma course in Orthopaedics shall have complied with the conditions hereunder.

- (a) The candidate should have passed the examination for the graduate degree of Bachelor of Medicine and Bachelor of Surgery of this University or any other University recognized by MCI as equivalent.
- (b) Completed such period of examination pre-degree compulsory housemanship or internship or rotating internship which entitled him to the award of the degree Bachelor of Medicine and Bachelor of Surgery required by and to the satisfaction of this University where applicable.
- (c) Testifying to his having held an appointment as a Resident Orthopaedic or any other approved appointment at a hospital recognized by this University for the purpose for a period of at least 24 months.
- (d) The Post-graduate student in the Faculty of Medicine will not be permitted to register simultaneously for Diploma and degree courses of this University or of any other University or any other college e.g. C.P.S. Bombay. He may however take up examination of National Board of Examination.

R.4650 Period of Training :

The period of training shall be two years i.e. four academic terms after registration as Post-graduate student.

R.4651 Infrastructure facilities, as per the Medical Council of India norms.

EXAMINATION THEORY

R.4652

Scheme, Syllabi and Standard of Passing

(a) There will be three theory papers in Diploma in Orthopaedics – 100 marks each.

- 1) Paper I : Basic sciences and General Surgery and General Medicine as related to Orthopaedics.
- 2) Paper II : Injuries of bones and joint with recent advances.
- 3) Paper III ; Disease of bones and joints with recent advances.

(b) Clinical oral and practical consisting of long, short cases, instruments X-rays, specimens of 300 marks.

- 1) There will be two heads of passing.
 - i) Three papers of theory shall form one head of passing and
 - ii) Clinical, oral and practical taken together shall form the second head of passing.
- 2) A candidate must pass in both the heads of passing that is the whole examination at one and the same attempt. A candidate passing in one head of passing and failing to pass in the other head will be declared fail and shall not be entitled to any exemption taken subsequently.
- 3) To pass a candidate must obtain.
 - i) 50% of the total marks in theory examination and
 - ii) 50% of the total marks in clinical, oral and practical taken together.
 - iii) In any of the papers in theory he must not obtain less than 40% marks to be declared.
(Total of all the three papers however must be 50% of the total marks of theory).
 - iv) Grand total is not a head of passing.
- 4) Gracing – gracing will be done upto 60% of the total marks in the subject in one of two heads. There will be no other gracing.

SYLLABUS FOR DIPLOMA IN ORTHOPAEDICS (D.Ortho.)

General Surgery as related to Orthopaedics.

Anatomy	:	Human anatomy with special reference to bones, joints and nerves.
Physiology	:	Human physiology of bones and joints including Biomechanics.
Biochemistry	:	Metabolism of Calcium, Phosphorus, Vitamin "D".
Pharmacology	:	Chemotherapy - Antibiotics Antitubercular Antimalignancy drugs

NSAIDS

Fractures and dislocations :

- Traumatic Orthopaedics
- Healing of fractures
- Injuries, fractures and dislocation of bones and joints
- Pathological fracture
- Management of polytrauma
- Complication of fracture
- Closed treatment of fractures
- Operative approaches and reductions of fractures including implant surgery
- Bone grafting
- Injuries to nerve and vascular injuries
- Diabetic foot.

Course content

Orthopaedic Disease and Management

- Infections : Osteomyelitis
Septic arthritis
Bone and joint tuberculosis
- Congenital anomalies : CTEV
CDH
Other rare anomalies
- Arthritis : Rheumatoid arthritis
Osteoarthritis
Gout
Other types of arthritis
Operative surgery of joint replacement of knee and hip
- Neoplasm : Benign
Malignant
Operative surgery of reconstruction and amputations.
- Metabolic bone Diseases : Osteoporosis
Osteomalacia
Rickets/Scurvey
- Miscellaneous Conditions : Osteochondrities
Slipped epiphysis/AVN
- Diseases of spine : PID
Scoliosis
Spinal injuries
Spinal infections
Spondylolithesis
Spenoylosis
Tomours of spinal cord
- Orthotics and Prosthetics : For spine
For Upper limb
For Lower limb

Medicolegal aspects

Research methodology

*DDS/Syll/Dip.Ortho.

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