Syllabus and Examination pattern for Post - Graduate Medical Courses

NOTIFICATION

Ref. :

(1) Medical Council of India Regulation on Graduate Medical Education, 1997.
(2) Amendment of the regulations on graduate medical education notified by Government of India from time to time :
a. Gazette Notification dated 29.05.1999.
b. Notification no. MCI-37 (2)/2001/Med-922, dated 12.04.2001.
c. Notification no. MCI-26 (3)/2003/Med-18503, dated 26.09.2003.
d. Notification no. MCI-26 (3)/2003/Med-20958, dated 15.10.2003.

In exercise of the powers, conferred under section 26 of Krishna Institute of Medical Sciences Deemed University, the Board of Management in its meeting held on 27th June, 2006, has been pleased to approve the Bye-law pertaining to Post Graduate Medical courses as given in schedule here to Annexed.

The Bye-law as above shall be effective for the students admitted to Post Graduate Medical courses from the academic year 2006-07 onwards.

By Order
Registrar

1. This byelaw shall be called Syllabus and Examination pattern for Post-Graduate Medical Course.

M.S. Orthopedics

Syllabus:

1. Basic Sciences Related to Locomotor system.
2. Development, histology of bone, cartilage, collagen, muscles and nerve.
3. Physiology of bone, carliage, muscle & nerve.
4. Surgical pathology related to bones, cartilage, muscle, collagen & nerve in various congenital affections, infections, Tumours and tumorous conditions and metabolic affections.
5. Orthopaedic diseases
    - Metabolic bone disease
    - Bone infections – Acute and Chronic
    - Congenital deformities and developmental conditions of upper extremity, lower extremity, spine, general defects.
    - Diseases of joints
    - Tumours of Bones
    - Orthopaedic Neurology including spina bifida, Poliomyelitis and cerebral palsy.
    - Diseases of muscle, fibrous tissue and vessels
    - Regional orthopaedic conditions related to neck, shoulder, elbow, wrist, hand, hip, knee, ankle , foot, back and pelvis.
    - Special subject – Orthopaedic Radiology Amputation and disarticulation physiotherapy and rehabilitation Recent advances in orthopaedic diseases.
6. General principles of Surgery and Traumatology.
    - Wound healing
    - Fracture healing

- Rehabilitation after bone and joint injuries
- System response to injury
- Acute trauma care and early management of injured
- Injury to head, face, chest, abdomen, vessels & nerves.
- Polytrauma
- Fracture & dislocations in all bones and joints including diagnosis, classifications, various modalities of investigation and operative nonoperative treatment including complications.
- Fractures in children
- Pathological fractures
- Recent Advance in various fractures and complications management.

7. Exposure to surgical techniques & surgical approaches to various regions to manage common infection, tumor, joint diseases, different type of trauma, congenital, neurological and miscellaneous conditions.
8. Principles of Arthroscopy microsurgery & Arthroplasty.
9. Orthotics & Prosthetics, disability calculation, Bio-mechanics of gait, splints.
10. Thesis – Aim is to train the PG student in research work. Topics should be in experimental, clinical, retrospective analysis or combination such that students are encouraged to do exhaustive reference work. Topics should be relevant to subject and region of work. Topics should be allotted within first three months of training. The candidate should complete review of literature by end of the first year and submit his completed thesis six months before the final examination. Subject of thesis should be approved by University within first six months.
11. Under Graduate teaching in clinical methods.
12. Seminar presentation on common topics.
13. Journal reading and discussion.
14. Case presentation, ward record maintenance.
15. Adequate experience in closed reduction of various fractures, assisting major operation, independent operative management of common orthopaedic condition.
16. Preparation of paper for presentation in conference.
17. Preparation of article for publication.

Scheme of Examination

1. **Theory**

Total four papers each of 100 marks = 100 X 4 = 400

Paper I -
Basic and applied sciences as related to Orthopaedics
Paper II -
Orthopaedics Traumatology
Paper III -
Orthopaedics diseases
Paper IV -
Essay questions.

Paper I, II & III each will have four questions of 25 marks each.
Paper IV will have three essay questions of which to should be answered 50 X 2 = 100.
Duration of time in each paper = Three Hours.

2. Pracical

One long case		100 marks
Two short case		100 marks
Spot		60 marks
Ward round		40 marks
Viva Voce		100 marks
Instruments	25 marks	
X-rays	25 marks	
Opration	25 marks	
Specimen & Bones	25 marks	
Total		400 marks

No. of Examiners = Four
Internal Examiner = Two
External Examiner = Two
Long cases & ward rounds should be examined by all the examiners together.