

FEBRUARY 2007

[KQ 804 M]

Sub. Code : 9104

M.O.T. DEGREE EXAMINATION.

(Revised Regulation)

Part II

Branch VII — Advanced Occupational Therapy in
Orthopaedics

Paper I — CLINICAL SPECIALITY

Time : Three hours Maximum : 100 marks

Theory : Two hours and Theory : 80 marks
forty minutes

M.C.Q. : Twenty minutes M.C.Q. : 20 marks

Answer ALL questions.

Draw suitable diagrams wherever necessary.

I. Essay :

(1) Describe the pathomechanics of low back pain. Clinical features, conservative management and discuss the management of prolapsed lumbar intervertebral disc. (20)

(2) Describe how you would manage a 50 year old lady with complex Regional pain syndrome? (15)

(3) Discuss how you will assess and manage a 40 year old man with a fracture – dislocation of the cervical spine at C₄ – C₅ level with an incomplete neurological lesion? (15)

II. Write short notes : (6 × 5 = 30)

(a) Neck of the Femur fracture of 75 year old lady. Explain the management.

(b) Pathophysiological changes in Osteoporosis and its management.

(c) Jackins protocol for shoulder mobilization.

(d) Discuss the relevant anatomy of carpal tunnel. What are the complications of carpal tunnel syndrome and discuss their management.

(e) Define the Extensor tendon zones.

(f) Types of peripheral nerve injuries.

MARCH 2008

[KS 804 M]

Sub. Code : 9104 O₁

M.O.T. DEGREE EXAMINATION.

(Revised Regulation)

Part II

**Branch VII — Advanced Occupational Therapy in
Orthopaedics**

Paper I — CLINICAL SPECIALITY

Q.P. Code : 419104 O₁

Time : Three hours

Maximum : 100 marks

I. Long Essay : (2 × 20 = 40)

1. Discuss the Anatomical differences between flexor and extensor tendons of hand and the treatment rationale of flexor and extensor tendon injuries.

2. Discuss in detail the work handening process.

II. Short notes : (10 × 6 = 60)

1. Scapula humeral rhythm.

2. Activity adaptation.

3. Mobile Arm Support.

4. Biomechanical principles of splinting.

5. Parts of upper extremity prosthesis.

6. Posture.

7. Anteversion and retroversion angle.

8. Wheel chair measurement.

9. Principles of ergonomics.

10. Difference between CT and MRI

APRIL 2011

[KY 807]

Sub. Code: 9107

M.O.T. DEGREE EXAMINATION

SECOND YEAR

Revised Regulation: For candidates admitted from 2005-2006 onwards

Part II

Paper I – CLINICAL SPECIALITY – I

(Elective Subjects)

ADVANCED OCCUPATIONAL THERAPY IN ORTHOPEADICS

Q.P. Code : 419107

Time : Three hours

Maximum : 100 marks

Answer All questions

Draw suitable diagrams where ever necessary

I. Essay Questions :

(2 x 20 = 40)

1. Normal and sports wheel chair measurements and prescription.
2. Explain in detail the various techniques used for Gait evaluation.

II. Write Short Notes :

(10 x 6 = 60)

1. Lumbar Pelvic Rhythm.
2. Endurance Training.
3. Suspension Sling.
4. Component Parts of Body Powered Upper Extremity Prosthesis.
5. Activity Selection.
6. Therapeutic Exercises.
7. Classification of Splints.
8. I-ADL.
9. Job Analysis.
10. Postural Abnormalities.

April 2012

[LA 807]

Sub. Code: 9107

M.O.T. DEGREE EXAMINATION

SECOND YEAR

PART II

PAPER I – CLINICAL SPECIALITY – I (ELECTIVE SUBJECTS)

ADVANCED OCCUPATIONAL THERAPY IN ORTHOPEADICS

Q.P. Code : 419107

**Time : 3 hours
(180 Min)**

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

**Pages Time Marks
(Max.) (Max.) (Max.)**

- | | | | |
|--|----|----|----|
| 1. Discuss in detail evaluation and management of hand following extensor tendon injury. | 17 | 40 | 20 |
| 2. Explain in Biomechanics of knee joint. | 17 | 40 | 20 |

II. Write notes on :

- | | | | |
|---|---|----|---|
| 1. Stubbies prosthesis. | 4 | 10 | 6 |
| 2. Types Terminal Device and its specific function. | 4 | 10 | 6 |
| 3. Principles of ergonomics. | 4 | 10 | 6 |
| 4. Strengthening activities for rotator cuff muscle. | 4 | 10 | 6 |
| 5. Principles of activity selection for patient with RA. | 4 | 10 | 6 |
| 6. Principles of activity adaption in patient with decreased muscle strength. | 4 | 10 | 6 |
| 7. EMG - Biofeedback. | 4 | 10 | 6 |
| 8. Test for posterior shoulder instability. | 4 | 10 | 6 |
| 9. Test for epicondylitis. | 4 | 10 | 6 |
| 10. Palpation techniques in orthopaedic conditions. | 4 | 10 | 6 |

[LC 807]

APRIL 2013
M.O.T. DEGREE EXAMS
SECOND YEAR

Sub. Code: 9107

PART II
PAPER I – CLINICAL SPECIALITY – I (ELECTIVE SUBJECTS)
ADVANCED OCCUPATIONAL THERAPY IN ORTHOPEADICS

Q.P. Code : 419107

Time : 3 hours

Maximum : 100 marks

I. Elaborate on :

(2x20=40)

1. Explain about the Flexor Compartment Muscles of Forearm with reference to Tendon Injuries.
2. Write in Detail about the Biomechanics and Structural Pathology of Spine.

II. Write notes on :

(10x6=60)

1. Donning and Doffing of Upper Extremity Prosthesis.
2. Elements of Wheelchair Safety.
3. Usefulness of MRI and CT in Occupational Therapy.
4. Activity Analysis.
5. Simulated Task Evaluation.
6. Joint Protection Principles.
7. Work Hardening.
8. Surgical Technical Approaches for THR.
9. Resettlement.
10. Wrist Driven Flexor Hinge Splint.
