51413

Fourth B.P.Th. (2012) Examination, Summer 2016
CARDIOVASCULAR - RESPIRATORY PHYSIOTHERAPY
(Including Critical Care)

Total Duration : Section A + B = 3 Hours | Total Marks : 80

SECTION – A & SECTION – B

Instructions : *1) Use **blue/black** ball point pen only.*

*2) **Do not** write anything on the **blank portion of the question paper**. If written anything, such type of act will be considered as an attempt to resort to unfair means.*

*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. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.

*7) Use a common answer book for **all** Sections.*

SECTION – A SAQ **(50 Marks)**

1. Short answer question (**any five** out of six) : **(5×3=15)**
   a) Enumerate three electrotherapy modalities used to treat infected wound.
   b) Enumerate three incisions used in an abdominal surgery.
   c) Chyne-Stokes respiration.
   d) Borg's CR10 Scale.
   e) Bruce protocol.
   f) Radiological findings of pleural effusion.

2. Short answer question (**any five** out of six) : **(5×7=35)**
   a) Write two special test to assess venous insufficiency.
   b) Physiotherapy management following gastrectomy.
   c) Physiotherapy management following radical mastectomy.
   d) Physiotherapy management for glycemic control in diabetes mellitus.
   e) Write importance of life style modification in prevention of ischemic heart diseases.
   f) Explain cardio-respiratory changes associated with aging and fitness program.

P.T.O.

SECTION – B LAQ **(30 Marks)**

3. Long answer question (**any one** out of two) : **(1×15=15)**

a) A 55 years old male, farmer, chronic alcoholic, has suffered from myocardial ischemia 2 days back.

Discuss

i) Functional diagnosis. **5**

ii) Physiotherapy management in detail. **10**

OR

b) A 35 years old male laborers is diagnosed as a middle lobe bronchiectasis with chief complaint of cough with expectoration and breathlessness. Write

i) Functional Diagnosis. **5**

ii) Short term and Long Term goals. **5**

iii) Physiotherapy management. **5**

4. Long answer question (**any one** out of two) : **(1×15=15)**

a) A 30 years old male has sustained 60% burns involving neck, chest and both arms. He is admitted in an ICU. Write

i) Functional Diagnosis. **5**

ii) Physiotherapy management. **5**

iii) Role of positioning and splinting. **5**

OR

b) A 25 years old male, chronic smoker, complains of intermittent claudication and cold feet with sweating. Write

i) Functional diagnosis.

ii) Physiotherapy management.

51414

Fourth B.P.Th. (2012) Examination, Summer 2016
COMMUNITY PHYSIOTHERAPY

Total Duration : Section A + B = 3 Hours Total Marks : 80

SECTION – A & SECTION – B

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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. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.*
7) *Use a common answer book for **all** Sections.*

SECTION – A SAQ **(50 Marks)**

1. Short answer question (**any five** out of six) : **(5×3=15)**
   a) Role of non government organization in community welfare.
   b) Note on aspects of Community Based Rehabilitation (CBR).
   c) Note on primary and secondary disability.
   d) Visual changes due to aging.
   e) Muscles of pelvic floor.
   f) Job simulation.

2. Short answer question (**any five** out of six) : **(5×7=35)**
   a) Ergonomics for low backache in housemaid.
   b) Different field tests used in athlete training.
   c) Importance of ergonomic evaluation at work place.
   d) General principles of exercise and phases.
   e) Different methods of measuring body composition.
   f) Elaborate deconditioning effects of bed rest.

P.T.O.

SECTION – B LAQ **(30 Marks)**

3. Long answer question (**any one** out of two) : **(1×15=15)**

   a) A 45 year old male working in an automobile company (vibrations) without any precaution comes to the PT department with complains of tingling numbness & pain in bilateral hands.

      i) Discuss functional diagnosis with clinical reasoning. **5**

      ii) Give short term goals and management. **7**

      iii) Preventive gears and instruments. **3**

   b) A 30 year old male working in sand industry complaining of exertional dyspnea since last 6 months with occasional mucoid expectoration. X-ray shows patchy consolidation.

      i) Discuss functional diagnosis. **5**

      ii) Discuss physiotherapy management in detail. **10**

4. Long answer question (**any one** out of two) : **(1×15=15)**

   a) A 25 year old female underwent full term normal vaginal delivery with episiotomy 15 days back is referred to physiotherapy department for post natal care.

      i) Discuss functional diagnosis. **5**

      ii) Discuss physiotherapy management in detail. **10**

   b) A 50 year old male having sedentary life style suffering from class I obesity, he is also having knee joint pain bilaterally.

      i) Discuss functional diagnosis. **5**

      ii) Discuss physiotherapy management in detail. **10**

51411

Fourth B.P.Th. (2012) Examination, Summer 2016
MUSCULOSKELETAL PHYSIOTHERAPY

Total Duration : Sec. A + B = 3 Hours | Total Marks : 80

SECTION – A & SECTION – B

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4) *The number to the **right** indicates **full** marks.*
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7) *Use a common answer book for **all** Sections.*

SECTION – A SAQ **(50 Marks)**

1. Short answer question (**any five** out of six) : **(5×3=15)**
   a) Mention any 3 uses of taping in sports injuries.
   b) Grades of mobilization according to Kaltenborn.
   c) Patellar mal-tracking and its effects on quadriceps action.
   d) Mention any 3 neuro-physiological effects of joint mobilization.
   e) State any 3 differences between open and closed chain exercises.
   f) Enumerate any 3 complications following Supracondylar fracture of Humerus.

2. Short answer question (**any five** out of six) : **(5×7=35)**
   a) Rationale for exercise prescription in Osteoporosis.
   b) Physiotherapy management of trans-femoral amputation.
   c) Discuss physiotherapy management of Calcaneal spur.
   d) Write with reasoning about physiotherapy management for recurrent shoulder dislocation.
   e) Discuss diagnostic criteria for osteoarthritis Knee and its PT management.
   f) Physiotherapy management for knee stiffness post fracture lower end femur treated with dynamic compression screw.

P.T.O.

SECTION – B LAQ **(30 Marks)**

3. Long answer question (**any one** out of two) : **(1×15=15)**

   a) A 25 yr. old football player comes to you with complaints of pain and discomfort in the right knee since 2 months. He was diagnosed as a case of Right ACL tear Grade 2 along with tear of post horn of medial meniscus. He has undergone arthroscopic ACL reconstruction with shaving of medial meniscal post horn 3 days back.

   Functional diagnosis with clinical reasoning. **(5)**

   Physiotherapy treatment plan. **(10)**

   b) A 55 yr. old male, insurance banker by occupation comes with complaints of pain in left shoulder with inability to lift the shoulder for overhead activities. His ROM of flexion, abduction and external rotation is severely reduced along with reduction is strength (grossly grade 3-4). He has uncontrolled diabetes.

   Explain - Functional diagnosis with clinical reasoning. **(5)**

   Physiotherapy treatment plan along with goals. **(10)**

4. Long answer question (**any one** out of two) : **(1×15=15)**

   a) A 65 yr. old male, retired banker by occupation comes with complaints of pain in left hip with difficulty to move the hip. He had sustained trauma post RTA 1 month ago and had ICNF (Intra Capsular Femoral Neck) fracture managed with a Dynamic hip screw. His ROM of flexion, abduction and external rotation is severely reduced along with reduction is strength (grossly grade 3-4).

   Discuss - short term and long term goals. **(5)**

   Physiotherapy treatment plan. **(10)**

   b) A 40 year old school teacher is referred to the physiotherapy department. She is having D 12 compression fracture without any neuro deficit and diagnosed as Lumbar canal stenosis with claudication and treated conservatively. She is married and has an 11 year old son.

   Describe - functional diagnosis with clinical reasoning **(5)**

   Physiotherapy management. **(10)**

51412

Fourth B.P.Th. (2012) Examination, Summer 2016
NEURO PHYSIOTHERAPY

Total Duration : Section A + B = 3 Hours | Total Marks : 80

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7) *Use a common answerbook for **all** Sections.*

SECTION – A SAQ **(50 Marks)**

1. Short answer question (**any five** out of six) : **(5×3=15)**
   a) Define neuroplasticity.
   b) Write any three technique of Rood's approach to manage spasticity.
   c) What is sacral sparing ?
   d) Write comparison between upper and lower motor neuron lesion.
   e) Gower's sign.
   f) Clinical assessment of facial nerve.

2. Short answer question (**any five** out of six) : **(5×7=35)**
   a) Write Sunderland's classification of nerve injury and physiotherapy management for foot drop. **(4+3)**
   b) Describe techniques to train static and dynamic standing balance.
   c) Describe common gait abnormalities observed in Parkinson's Disease and write it's Physiotherapy management. **(2+5)**
   d) Describe Physiotherapy management of Hemiplegic shoulder.
   e) Describe Physiotherapy management of Cerebellar ataxia.
   f) Describe Physiotherapy management for Duchenne muscular dystrophy.

P.T.O.

SECTION – B LAQ **(30 Marks)**

3. Long answer question (**any one** out of two) : **(1×15=15)**

   a) A 21 year old male suffered from traumatic cervical spinal cord injury. He had underwent surgery to stabilize fracture site. At present his bilateral muscle power -biceps are 5/5, wrist extensor are 5/5, triceps 4/5 and no active contraction below C7. Intact pinprick and light touch C2-T4, absent below T4. Intact anal sensation. Proprioception intact in bilateral upper extremity and absent below. His bowel and bladder are involved. Functionally he requires moderate assistance to roll. Write his neurological level of injury. What is the patients ASIA impairment classification ? Plan short term goals and long term goals. Write Physiotherapy management for him. **(2+1+5+7)**

   b) A 7 year old male gives history of frequent falls and difficulty in getting up from floor, he has gained weight during the last 6 months and has hypertrophy of calf. Plan investigations. Plan short term goals and long term goals. Write Physiotherapy management for him. **(3+5+7)**

4. Long answer question (**any one** out of two) : **(1×15=15)**

   a) A 36 year old male who is a dentist is recently diagnosed with Amyotrophic lateral sclerosis experiences difficulty in opening fist, weakness and wasting of small muscles of hand. Painless twitching of the muscles in his forearm and upper arm. He has hyperreflexia in both upper extremities,hyporeflexia in both lower extremities and positive Babinski reflex bilaterally. Write structural and functional impairment. Plan short term goals and long term goals. Write Physiotherapy management for him. **(3+5+7)**

   b) A 50 year old female is a known case of diabetes since last 8 years. She complains of numbness in bilateral lower extremities and while walking she feels as if she is walking on cotton. She also complains of inability to have hold of her footwear (slippers) while walking. Symptoms are gradually progressing. Plan investigations. Plan short term goals and long term goals. Write Physiotherapy management for her. **(3+5+7)**