[Total No. of Pages : 3

51413

Fourth B.P.T.H. (2012) Examination, Winter - 2022
CARDIOVASCULAR - RESPIRATORY PHYSIOTHERAPY
(Including Critical Care)

Total Duration : 3 Hours

Total Marks : 80

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) Rationale of purse-lip breathing in COPD.

b) Compare and contrast six minute walk test and shuttle walk test.

c) Define one MET and state its value.

d) Any three differences between aerobic and anaerobic exercise.

e) Effects of smoking on pulmonary function.

f) Enumerate any three goals of P.T. management in Radical Mastectomy.

2. **Short answer question (any Five out of Six) :** [5 × 7 = 35]

a) What is "Neurophysiologic facilitation of respiration"?

b) What will be the content of Ergonomic and energy conservation advice to be given to a patient with left lung bronchiectasis with unimpaired Right lung.

c) Therapeutic exercise program to strengthen respiratory muscles.

d) Write a note on inhalation burns and its management.

e) Write a note on positioning of the patient in ICU giving examples.

f) Write a note on pneumothorax and describe the precautions and contra-indications and physiotherapy management of a patient with Inter-costal drainage.

SECTION - "B" LAQ (30 Marks)

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

a) A fifty year old male head clerk, chain smoker, non-vegetarian, diabetic has come with chief complaint of pain on walking for five minutes and is unable to continue walking after 10 minutes. His legs appear thin & leg skin dry. Discuss the clinical reasoning for the impairments state the complications which he is likely to face giving reason along with their preventive measures if any. Discuss the management in details.

[5 + 3+7]

b) A 23 year old mother of year old child suffered from 40% burns over bilateral thigh & legs

i) Discuss the impairments with clinical reasoning [5]

ii) Physiotherapy for each impairment [7]

iii) Describe various stages of wound healing [3]

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

a) A seven year old girl diagnosed as having bronchial asthma since one year is referred for physiotherapy. This condition has affected her attendance at school as she gets breathless during acute exacerbation and her mother carries her bag to school every day. Her parents are worried about sending her to play with her friends and insist on playing indoor sedentary games. Her teachers also do not allow her to participate in outdoor play due to fear of breathlessness. The girl however wishes to play. She is prescribed SOS salbutamol inhaler and she is absolutely fine between acute episodes which come once a month.

i) Discuss the content of parent and teacher counseling **[5]**

ii) Plan rehabilitation program for this girl. **[7]**

iii) Which outcome measures will show her improvement following rehabilitation? **[3]**

b) A 50 year old is admitted in ICU with dyspnoea and severe chest pain. ECG shows ST segment elevation and T wave inversion in 2,3 and AVFHe is thrombolysed and referred for physiotherapy care.

Discuss ICF and plan short term and long term physiotherapy management. **[5 + 5+5]**

[Total No. of Pages : 3

51411

Fourth B.P.T.H (2012) Examination, Winter - 2022
MUSCULOSKELETAL PHYSIOTHERAPY

Total Duration : 3 Hours

Total Marks : 80

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) Milwaukee brace.

b) Postural syndrome.

c) Pronator teres syndrome.

d) De Quervain's disease.

e) Do's and Don'ts after TKR.

f) Types of peripheral nerve injuries.

2. **Short answer question (any five out of Six) :** **[5 × 7 = 35]**

a) Causes, special tests and physiotherapy management of lateral ligament sprain of ankle joint.

b) Mechanism of meniscal injuries and physiotherapy management.

c) Diagnosis and PT management of lateral epicondylitis of elbow.

d) PT management of Lateral popliteal nerve injury.

e) Signs & symptoms of acute Compartmental syndrome of arm and its management.

f) Lumbar canal stenosis - differential diagnosis and PT management.

SECTION - "B" LAQ (30 Marks)

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

a) A 31 years male badminton player referred to Physiotherapy department with complaints of pain in his Right shoulder. The history revealed that he got the pain twice in last 1 year and was relieved by medicines and Physiotherapy. Presently he is unable to do overhead activities.

i) Write down ICF (3 marks)

ii) List the special tests used to rule out the shoulder pain (3 marks)

iii) Discuss the short term & long term goals and physiotherapy management. (9 marks)

b) A 50 years female referred to Physiotherapy department with complaints of low back pain radiating to back of the thigh. She is house wife residing on second floor of an apartment with no lift facility. She stays with her husband and two sons who can take care of her.

i) Write down ICF (4 marks)

ii) Write the radiological features and diagnosis (4 marks)

iii) Discuss goals and physiotherapy management. (7 marks)

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

a) A 28 years female computer professional visited Physiotherapy department after removal of plaster cast. She met with RTA 6 weeks before and diagnosed as fracture of lower end of radius. Her present complaints are pain and stiffness of wrist and hand. She is unable to use key board properly.

i) Write down ICF (5 marks)

ii) Discuss the short term & long term goals and physiotherapy management. (10 marks)

b) A 35 years old male working as medical representative met with RTA and sustained fracture mid shaft Humerus. He was treated surgically by intra medullary nailing. After 8 weeks he came to Physiotherapy department with complains of pain and stiffness in Elbow joint. He has muscle wasting in arm and forearm.

i) Write down ICF (5 marks)

ii) Discuss the short term & long term goals and physiotherapy management. (10 marks)

[Total No. of Pages : 2

51412

Fourth B.P.T.H (2012) Examination, Winter - 2022
NEURO PHYSIOTHERAPY

Total Duration : 3 Hours

Total Marks : 80

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) What is Paraplegia in flexion and paraplegia in extension.

b) Reflexive bladder.

c) Give 3 etiological factors for cerebral palsy.

d) Features of UMN lesion.

e) What is Utthoff's phenomenon?

f) Clinical features of Increased Intracranial Pressure.

2. Short answer question (any five out of Six) : **[5 × 7 = 35]**

a) Physiotherapy Management of Myelomeningocele at lumbar level.

b) What is Leprous neuritis? Discuss the clinical features of Lepromatous Leprosy in detail.

c) Define PPRP. Describe any 3 deformities seen in PPRP in detail.

d) What is Duchenne's muscular Dystrophy. Discuss the principles of physiotherapy management for the same.

e) Classification of diabetic neuropathy. Write the physiotherapy management for diabetic foot.

f) Trigeminal neuralgia clinical symptoms and physiotherapy management in deatil.

SECTION - "B" LAQ (30 Marks)

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

a) Write ICF with clinical reasoning of a 5 year old athetoid Cerebral palsy girl, she is able to maintain independent sitting but is unable to stand. She attends school regularly. Parents are financially sound and motivated for therapy. Formulate the short term goals with Physiotherapy management (5+7+3=15)

b) Write ICF and physiotherapy management with short term and long term goals for 29 year old unmarried female executive working in a multinational company who was diagnosed as a case of Pott's spine at the level of T10 to T12 and has weakness of lower limbs with inability to walk. She has completed her course of AKT treatment. (5+7+3=15)

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

a) Discuss ICF and physiotherapy management for a 65 year old retired male who suffered from right cerebellar stroke 3 months back. He complains of weakness and loss of balance. He is also a known case of diabetes since past 10 years. He has a Berg's Balance score of 38. (7+8=15)

b) Discuss ICF and physiotherapy management for a 64 year old retired female housewife suffering from Parkinson's disease since 3 years. Patient is graded 3 on Yahr scale. (7+8=15)

[Total No. of Pages : 3

51414

Fourth B.P.T.H (2012) Examination, Winter - 2022
COMMUNITY PHYSIOTHERAPY

Total Duration : 3 Hours

Total Marks : 80

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 the various levels of prevention in Community level Rehabilitation.

b) Enumerate the various theories of ageing (Any three).

c) Enlist the predisposing factors for osteoporosis.

d) Define work conditioning & work hardening.

e) Define Functional Capacity assessment

f) Define Body mass index & state its uses.

2. Short answer question (any five out of Six) : **[5 × 7 = 35]**

a) Write on the various types and degrees of urogenital prolapse. Explain briefly its management.

b) Describe cumulative trauma disorder & explain one common CTD.

c) Enumerate the various causes of falls in the elderly and explain the environmental modifications for prevention of falls in the elderly.

d) Explain the factors leading to low back in industrial health and their preventive measures.

e) Define aerobic & anaerobic exercises with examples. Define Metabolic Equivalent.

f) Describe the role of Physiotherapist in school for physically handicapped children.

SECTION - "B" **LAQ (30 Marks)**

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

a) Explain the various changes occurring in the Musculoskeletal & Neurological systems due to aging (9 Marks)

Also write effects of exercises in the same systems in this population.

(7 Marks)

b) A 38 year old woman comes to you with complaints of inability to control urination, especially during coughing & during doing house work & lifting weights. She has 2 children & is from an affluent family. Presently she has been referred to you for physiotherapy management.

Give her functional diagnosis with clinical reasoning as per ICF

(5 Marks)

Also write her PT management with the treatment goals. (10 Marks)

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

a) A 27 year old laborer coming to you with complaints of pain in the back radiating in right lower limb since 5 months. He has to lift around 50 kg weight bags to load in the truck at a height of around 3ft . He is 5ft5" with moderate built and a bidi smoker since 8 years. He has no neuro-deficit but complaints of pain (VAS 3/10) during bending forwards & during loading the bags.

Give his functional diagnosis with clinical reasoning according to ICF (7 Marks)

Write the treatment goals & plans. (8 Marks)

b) A 27 year old girl has been referred to you for weight reduction in your wellness clinic. She is 5ft 3inches in height & weighs 68 kgs. She has to get married & has also started on crash dieting.

Calculate her BMI (3 Marks)

Give her functional diagnosis with clinical reasoning (5 Marks)

Write about her PT management. (7 Marks)