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51414

Fourth B.P.TH. (2012) Examination, Summer
(Phase - III : All Other Remaining UG/PG Courses) - 2020
COMMUNITY PHYSIOTHERAPY

Total Duration : 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) Functions of Red Cross Society.

b) Workstation Exercises.

c) How socioeconomic factors affect Physiotherapy services in India?

d) Define Rehabilitation.

e) Three national programmes for prevention of Disability.

f) Enumerate six changes in cardio-pulmonary systems of elderly.

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

a) Define Set Point theory & state 3 causes of Childhood Obesity.

b) Describe benefits of team work in C.B.R.

c) Communication Barriers in elderly people.

d) Write in detail about Physiotherapy Management in Uterine Prolapse.

e) Discuss the role of Physiotherapy to heal stress in industrial setup.

f) Discuss various physiological changes during pregnancy.

SECTION - B LAQ(30 Marks)

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

a) Describe Pathomechanics of balance issues in elderly and physiotherapy programme for fall Prevention in geriatric population. [7 + 8]

b) 62 yrs old male goldsmith by occupation complains of neck and upper back pain with tingling and numbness in right arm since one month. He is an employee with a Jeweler since last 40 yrs doing the same type of work in the same set up. His work hours are longer in the seasons. Discuss the functional diagnosis and rationale of physiotherapy management with preventive and curative strategies. [5 + 5 + 5]

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

a) 51 yrs old moderately obese Lecturer heaving been diagnosed as non insulin dependent Diabetes Mellitus and Hypertension 7 yrs ago.He has been kept on drugs therapy by the physicians. Discuss Short term and Long term goals of physiotherapy Management. [5 + 7 + 3]

b) 60 yrs old man having metabolic and cardiovascular disease has undergone Rt hip Austin Moore Prosthesis following # neck femur. He is a retired executive living in a joint family having 2 sons and wife. His wife is unable to help him physically due to her own illnesses. He is getting hospitalised on & off. He has domestic help but family members are unable to give him their time. Give:

i) Functional diagnosis.

ii) Short term & Long term goals of management.

iii) Compare hospitalisation Vs Home Management in this case.

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51413

Fourth B.P.TH. (2012) Examination, Summer
(Phase - III : All Other Remaining UG/PG Courses) - 2020
CARDIOVASCULAR - RESPIRATORY PHYSIOTHERAPY
(INCLUDING CRITICAL CARE)

Total Duration : 3 Hours

Total Marks : 80

SECTION - B & SECTION - C

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

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*5) Draw diagrams **wherever** necessary.*

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7) Use a common answer book for all sections.

SECTION - A SAQ(50 Marks)

1. Short answer questions (**any five** out of six) : **[5 × 3 = 15]**

a) Effects of Pursed lip breathing.

b) Pacing of activities in a breathless patient.

c) Superficial burns.

d) Difference between huffing and coughing.

e) Intermittent claudication.

f) Phase I of Cardiac rehabilitation.

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

a) Describe pinciple of working of Jet nebuliser and uitrasonic nebuliser.

b) Management of burns post skin grafting.

c) Low flow oxygen therapy.

d) Patient education in varicose veins.

e) Indications and phases of autogenic drainage.

f) Complications post modified radical mastectomy.

SECTION - B LAQ(30 Marks)

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

a) 40 year old male tailor was diagnosed of post kochs bronchiectasis Right lung. He has excessive sputum production with copious mucopurulent expectoration and breathlessness on exertion. He comes for pulmonary rehabilitation since a week. Write impairments, activity, participation limitation, short and long term management. [5 + 5 + 5 = 15]

b) 60 year old male farmer, a known COPD comes with acute exacerbation and respiratory failure. He is admitted to ICU and is on ventilator on SIMV mode. His X-ray shows development of pneumonia in right lower lobe. Write impairments, activity, participation limitation, short and long term management. [5 + 3 + 7 = 15]

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

a) 65 year old retired female nurse is diagnosed of stable angina and ventricular dysfunction. Ejection fraction 25%. She is a known diabetic. She has refused surgery due to the risk involved and has been on conservative management. Write impairment, activity, Participation limitation, short and long term management. [3 + 5 + 7 = 15]

b) 50 year old male bank manager is operated for angioplasty 2 days back. He had Inferior wall Myocardial Infarction a week back. He wants to get back to job at the earliest. He will need to drive for 1 hour to reach the bank. Write impairment, activity, Participation limitation, short and long term management. [3 + 5 + 7 = 15]

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51411

Fourth B.P.TH. (2012) Examination, Summer
(Phase - III : All Other Remaining UG/PG Courses) - 2020
MUSCULOSKELETAL PHYSIOTHERAPY

Total Duration : 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

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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) State any three tests to find capsule as a source of symptom.

b) Define end feel and state any two abnormal end feels.

c) State complications following Colles' fracture.

d) State principles of Mulligan's Mobilization.

e) State any two differences between somatic referred pain and radicular pain.

f) Define "Dysfunction Syndrome" of Mckenzie.

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

a) Discuss physiotherapy interventions for a patient with total knee replacement arthroplasty in the minimum protection phase.

b) Discuss exercise program with rationale for a patient with "Forward Head Posture".

c) PT management of flexor tendon injury.

d) Discuss pain relieving modalities for a patient with low back pain.

e) Explain Maitland's joint mobilisation with reference to three stages of tissue healing.

f) Explain importance of restoring pronation and supination movements required during gait cycles.

SECTION - B LAQ(30 Marks)

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

a) Arpit, 25 years, manual labourer by occupation gives a history of lifting heavy weight 3 weeks back and has been referred to Physiotherapy department. His pain rated on VAS is 6/10 in the low back radiating to the (Rt) lower limb up to the thigh only with forward bending activity. His pain at rest is 2/10 and on flexion movement is 5/10. MRI investigations show prolapse intervertbral disc at L4 and L5 level indenting L4 nerve root.He also has a sway back posture. SLR test is negative.He is married and has two daughters and sole earning member of the family.

State mobility and muscle length and strength impairments.Plan the short term & long term goals. Discuss exercise program and ergonomics for this patient with rationale.

[5 + 5 + 5]

b) 40 year old Sudha,is a widow, working as tailor, comes with a complaint of pain in the joints of finger and hand bilaterally especially during morning hours since 1 month. There is warmth and swelling present around the joints and she has painful ROM. VAS is 6/10 and has weak grip. On Xray, abnormal bone erosion is seen and is diagnosed as Rheumatoid Arthritis. She lives alone with her son who is a student.

Based on the above information, State Disability as per ICF. Discuss short term and long term goals with interventions.

[5 + 5 + 5]

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

a) Soham is 24 years old state level bowler and working in a bank comes to physiotherapy OPD with a complaint of shoulder pain. His pain on VAS is 6/10. His anterior apprehension test and Jobe's relocation test came positive. Rotator cuff muscles are weak and scapula stabilizers are weak. Because of these he has not played for 1 month and worried for his practice.

Based on the above information,state possible structural impairments leading to functional impairments, activity limitations and participation restriction. Explain the contextual factors influencing his disability. Plan short term goals and an exercise program to restore him back to his preinjury status. **[5 + 2 + 8]**

b) Rama, 65 year old postmenopausal housewife is referred to Physiotherapy department with a diagnosis of Osteoarthritis of knee. She complains of pain rated on VAS as 0 at rest, during flexion movement 3/10 and during toilet activities 6/10. She has an Indian toilet at home and stays alone on second floor.

Based on the above information, state the possible impairments leading to her activity limitation. State environmental factors affecting her participation. Plan short term and long term goals with interventions.

[5 + 2 + 8]

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51412

Fourth B.P.TH. (2012) Examination, Summer
(Phase - III : All Other Remaining UG/PG Courses) - 2020
NEURO PHYSIOTHERAPY

Total Duration : 3 Hours

Total Marks : 80

SECTION - A & SECTION - B

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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) Asymmetric tonic neck reflex.

b) Glassgow Coma Scale.

c) Any 3 differences between Lower motor and lower motor Neuron Lesion.

d) Pusher's Syndrome.

e) Define and classify Muscle Tone:

f) Clinical features of Hydrocephalus.

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

a) Describe the signs, symptoms and Physiotherapy management of Trigeminal Neuralgia.

b) With a neat labelled diagram , describe the Circle of Willis.

c) Describe stages of Multiple Sclerosis and PT management for any one stage.

d) PT management of Down's Syndrome.

e) PT management in acute care of traumatic head/brain injuries.

f) PT management for BPPV.

SECTION - B LAQ(30 Marks)

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

a) A 30 years old female had history of fever 2 weeks back following which she complained of progressive weakness in all 4 limbs. Presently she also has breathlessness on exertion.She was admitted in the hospital for a week.

i) ICF in details [5]

ii) Detailed Physiotherapy Management [10]

b) A 3 year old female child was brought to the PT OPD with complains of difficulty in sitting up, standing and walking. On examination she has increased tone in her lower limbs and walk with a crossing pattern. Her mother reported that the child was born in the 7th month and had a delayed cry.

i) ICF [5]

ii) Detailed PT management [10]

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

a) A 65 years old woman complains of heaviness of left side of body. On examination she has raised blood pressure for which she is not taking regular medications. Her tone is found to be increased more in the lower limbs than upper limbs. She is a housewife with 4 members in the family. Explain ICF and PT management.

[5 + 10 = 15]

b) A 5 year old boy was brought to the PT OPD by his parents with complains of frequent falls while playing. He has great difficulty in getting up from sitting position. On observation size of calf muscles is noted to be increased.

i) ICF with clinical reasoning. **[5]**

ii) Detailed PT treatment with more emphasis on parent education and counselling. **[10]**

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