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(Pages : 2)

SC—1924

FINAL YEAR B.Sc. (PHYSIOTHERAPY) DEGREE EXAMINATION, 2002

PHYSIOTHERAPY IN ORTHOPAEDICS

Time : Three Hours

Maximum : 100 Marks

Your answers shall be specific to the questions asked.
Draw neat and labelled diagrams wherever necessary.

I. Long Essays : (Answer any *four*)

1 Write down the clinical features of posterior cruciate ligament tear. Give role of physiotherapy for the same.

2 Explain the physiotherapy management for a patient with fracture clavicle. List the complications of this fracture.

3 Give the pre and post-operative physiotherapy management for a total hip replacement.

4 Give the features and physiotherapy management of Volkman's ischeamic contracture.

5 A woman of 45 years is suffering from OA knee since 2 years :

(a) Outline the assessment.

(b) Give physiotherapy management.

(c) Ergonomic advise for the patient.

(4 × 10 = 40 marks)

II. Short Essays : (Answer any *eight*)

6 Describe orthotic management of CDH.

7 Give physiotherapy management of acute Wry-neck.

8 Give physiotherapy management for a case of Pes Planus.

9 Give *two* principles of Mc Kenzie method of mobilisation. Outline *two* exercises of McKenzie method.

10 Outline physiotherapy management for a below knee amputation with an ideal length stump.

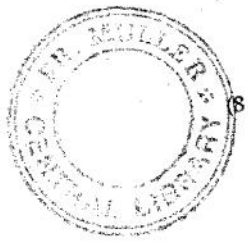
11 Give methods of mobilising a stiff wrist joint.

12 Write a note on Sacrilisation.

13 Give the criteria and indication in tendon transfers.

14 Enlist the complications of shoulder dislocation.

15 Describe various knee deformities.



(8 × 5 = 40 marks)

III. Short Answers :

16 Define Myositis ossificans.

17 Explain Codman's exercise.

18 What is Golfers elbow ?

Turn over

III) Short Answers (Answer all)

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19 Grades in spondylolisthesis.
20 Define Arthrodesis.
21 Explain Drawer's test.
22 What is Lasque's sign.
23 What is Sudeck's atrophy ?
24 What is intrinsic plus hand ?
25 Define Disability and deformity.

(6H)

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SC—1925

FINAL YEAR B.Sc. (PHYSIOTHERAPY) DEGREE EXAMINATION, 2002

PHYSIOTHERAPY IN GENERAL MEDICINE AND THORACIC CONDITIONS

Time : Three Hours Maximum : 100 Marks

Your answers shall be specific to the questions asked.
Draw neat and labelled diagrams wherever necessary.

I. Long Essays : (Answer any *four*)

1 List the risk factors for the development of arteriosclerosis. Write about the use of Burgers exercises in case of peripheral vascular disease.

2 Identify the signs and symptoms for a patient of right pleural effusion. Describe physiotherapy management for the patient who is on intercostal drainage tube.

3 Define Oedema. List the types of oedema. Outline physiotherapy management for a case of left lower limb oedema.

4 Explain the early clinical features of ankylosing spondylitis. Give the physiotherapy management for the same.

5 A patient 58 years old has suffered an attack of myocardial infarction. He has been advised to go in for a cardiac rehabilitation program at Phase III. Describe Phase III program for HIM.

(4 × 10 = 40 marks)

II. Short Essays : (Answer any *eight*)

6 What is Reynaud's disease ? Give the ergonomic advice for this case.

7 Explain the chest manipulation to mobilise secretions from the lung.

8 Describe *three* methods of giving humidification.

9 Describe the method of application of UVR in a case of infected wound.

10 Describe physiotherapy management for a case of cervical spondylosis.

11 Explain the aims of pulmonary rehabilitation.

12 Outline generals factors to be observed treating a psychiatry patient.

13 Physiotherapy management for rheumatoid hand.

14 Describe *three* techniques of PNF in respiration.

15 Role of physiotherapy in chronic inflammation.

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(8 × 5 = 40 marks)

III. Short Answers :

16 How does massage help in reduce oedema ?

17 Give *three* clinical features of Vitamin D deficiency.

18 Give *two* uses of Nebuliser.

19 What are Rales and Rhonchi ?

20 Define "CPAP".

21 In the treatment of Psoariasis what is the dosage of VVR used and give its effects.

22 What is swan neck deformity ? Give the splint used.

23 Define "COR pulmonale".

24 Define Paroxzymal nocturnal dyspnoea.

25 Give *two* exercises for O.A. knee.

(10 × 2 = 20 marks)

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SC—1926

FINAL YEAR B.Sc. (PHYSIOTHERAPY) DEGREE EXAMINATION, 2002

PHYSIOTHERAPY IN GENERAL SURGERY INCLUDING CARDIOTHORACIC CONDITIONS

Time : Three Hours

Maximum : 100 Marks

Your answers shall be specific to the questions asked.
Draw neat and labelled diagrams wherever necessary.

I. Long Essays : (Answer any *four*)

1 Discuss the principles of Tendon transfers and physiotherapy management in a leprosy patient with bilateral claw hands.
2 Discuss the importance of physiotherapy in a burns unit.
3 Write on physiotherapy management in a case of 50 years old female with right sided radical mastectomy.
4 Plan the rehabilitation program of a 10 year old child following (R+) sided pneumonectomy.
5 What is the role of a physiotherapist in post-operative management of C.A.B.G. ?

(4 × 10 = 40 marks)

II. Short Essays : (Answer any *eight*)

6 Discuss physiotherapy management in stress incontinence.
7 Discuss physiotherapy management in mitral valve replacement.
8 Write in short about Burger's disease.
9 Discuss physiotherapy management in acute stage of Poliomyelitis.
10 Write in brief about pain management in a cancer patient.
11 Discuss in brief complications of pregnancy.
12 Describe different types of incisions in abdominal surgery. Write in short about the management of scar.
13 Discuss physiotherapy management in inflammation of the sinuses.
14 Discuss physiotherapy management in short in a non healing ulcer on the sole of the foot.
15 Enumerate different surgeries in Mitral stenosis with their physiotherapy management.

(8 × 5 = 40 marks)

III. Short Answers :

16 Define Pulmonary rehabilitation.
17 Classify different degrees of burns.
18 State post-operative complications.
19 What is Otitis-media ?
20 State the different abnormalities of pleural membrane.
21 Classify skin grafts.
22 Enumerate indications for thoracic surgery.
23 What are the signs and symptoms of acute appendicitis ?
24 State abdominal and pelvic floor muscles.
25 What are the special points related to Pelvic surgery ?

(10 × 2 = 20 marks)

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SC—1927

FINAL YEAR B.Sc. (PHYSIOTHERAPY) DEGREE EXAMINATION, 2002

PHYSIOTHERAPY IN NEUROLOGY AND NEUROSURGERY

Time : Three Hours Maximum : 100 Marks

Your answers shall be specific to the questions asked.
Draw neat and labelled diagrams wherever necessary.

I. Long Essays : (Answer any *four*)

1 Discuss principles of management of stroke patient.
2 Discuss management in muscular dystrophy.
3 Discuss management of patient with cerebellar ataxia.
4 Discuss rationale of management in multiple sclerosis patient.
5 Describe management of cerebral palsy patient.

(4 × 10 = 40 marks)

II. Short Essays : (Answer any *eight*)

6 Describe clinical features in Parkinsonian disease.
7 Describe management of head injury patient.
8 Describe various electrodiagnostic procedures for nerve and muscle problems.
9 Describe principles of Bobath's technique approach.
10 Describe management of sensory motor neuropathies.
11 Describe management of patient with transverse myelitis in chronic stage.
12 Bell's palsy—causes and physiotherapy management.
13 Describe movement disorder with spasticity.
14 Describe management of polio patient.
15 Describe perception development and training.

(8 × 5 = 40 marks)

III. Short Answers :

16 Define Astereognosis.
17 Vojta technique—Rationale.
18 Friedriech's Ataxia—Two clinical features.
19 Spinal tumours—Two clinical features.
20 Management of claw hand—two important factors.
21 Nerve conduction test—Describe.
22 Chronaxie—Definition and implication in strength duration curve.
23 Encephalitis—Two important investigations to be carried out.
24 Investigations in muscular dystrophy.
25 Describe ATNR and STNR.

(10 × 2 = 20 marks)

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SC—1928

FINAL YEAR B.Sc. (PHYSIOTHERAPY) DEGREE EXAMINATION, 2002

COMMUNITY BASED REHABILITATION

Time : Three Hours

Maximum : 80 Marks

Your answers shall be specific to the questions asked.
Draw neat and labelled diagrams wherever necessary.

I. Long Essays : (Answer any *two*)

1 Primary Health Centres.
2 Disability and adjustment.
3 Screening of paediatric disorders.

(2 × 10 = 20 marks)

II. Short Essays : (Answer any *eight*)

4 How would you conduct a disability survey in a Village Predominantly suffering from skeletal deformities ?
5 Explain services rendered by mobile units.
6 Discuss how you would plan a "Vocational Evaluation" for a set of children in a "slow learner" school.
7 How would you set goals and priorities following a "Disability Survey" ?
8 How is Institution Based Rehabilitation different from community based rehabilitation ?
9 Discuss difference between impairment, disability and handicap.
10 What is the physiotherapist's role in education of children with disabilities identified following a survey ?
11 Write on National District Level Rehabilitation Programmes.
12 Discuss health promotion in work place.
13 Importance of parent counselling for parents having a disabled child.

(8 × 5 = 40 marks)

III. Short Answers :

14 Define Impairment.
15 Define Epidemiology.
16 Define vocational rehabilitation.
17 Define CBR.
18 Role of social worker in rehabilitation team—any *two* roles.
19 Mention any *two* Government schemes to help the disabled.
20 Define Morbidity.
21 Mention any *two* barriers in communication.
22 What is horizontal survey ?
23 Give home exercise programme for frozen shoulder—any *two* exercises.

(10 × 2 = 20 marks)

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SC—1929

FINAL YEAR B.Sc. (PHYSIOTHERAPY) DEGREE EXAMINATION, 2002

ALLIED THERAPEUTICS

Time : Three Hours

Maximum : 80 Marks

Your answers shall be specific to the questions asked.
Draw neat and labelled diagrams wherever necessary.

I. Long Essays : (Answer any *two*)

1 What is a normal diet ? Give its importance in exercise prescription.
2 Give the effects of training on different systems of the body.
3 What is Pranayama ? Describe the different types of Pranayama and its uses.

(2 × 10 = 20 marks)

II. Short Essays : (Answer any *eight*)

4 Explain cardiovascular adaptation after aerobic training.
5 Explain motor skill related components of fitness.
6 List common site of injury and the frequencies of occurrence in sports.
7 Alcohol is a nutrition. Explain.
8 Explain Yin and Yang.
9 Explain anthropometric method of assessing body composition.
10 What is sun therapy ? Explain.
11 Give contra-indication of acupuncture.
12 Explain role of diet in naturopathy.
13 Explain importance of stretching in sports.

(8 × 5 = 40 marks)



III. Short Answers :

14 Define pre game meal and its use.
15 Define flexibility.
16 What is carbohydrate loading ?
17 Define "Rationalisation" in stress management.
18 Explain the criteria to declare "Obesity".
19 What is Shavasana ?
20 Give *two* uses of Magneto therapy.
21 Explain *two* uses of open chain exercises.
22 Give role of "chi" in the body.
23 Write about needles in acupuncture.

(10 × 2 = 20 marks)