

STATE MEDICAL FACULTY OF WEST BENGAL

Final Examinations For Diploma in Physiotherapy : DPT Course

Paper – I : Therapeutic Exercise, Massage, Movements & Manipulation

Time : 3 hours.

Full Marks : 80

*Question 1 & 2 are Compulsory and
Answer any 5 Questions from Question No. 3 To 9*

1) Answer all (Write only the correct answer): -

5 x 1 = 5

- i) Pulley are used to:
 - (a) Make the work easy
 - (b) Alter the direction of motion
 - (c) Gain mechanical efficiency
 - (d) All of the above

- ii) Knee flexion in prone lying is an example of:
 - (a) 1st order lever
 - (b) 2nd order lever
 - (c) 3rd order lever

- iii) Anterior pelvic tilt is produced by:
 - (a) Hip extensors and abdominals
 - (b) Hip flexors & lumbar extensors
 - (c) Hip adductor & trunk side flexors

- iv) In Delorme's PRE the progression of 10 RM is made once in:
 - (a) Daily
 - (b) Every week
 - (c) Every fortnight
 - (d) Every month

- v) Joint mobilization is contraindicated in:
 - (a) Soft tissue tightness
 - (b) Joint stiffness
 - (c) Loose body inside the joint
 - (d) Bursitis

2) Answer all (True/False):

5 x 1 = 5

- (i) Relaxed passive exercise is useful for improving joint ROM.
- (ii) Lack of exercise is a simple example of bad posture.
- (iii) Nerve damage is a common complication of over stretching.
- (iv) Cervical traction should be given in neutral position.
- (v) Forced passive movement is contraindicated in elbow.

Paper – I : Therapeutic Exercise, Massage, Movements & Manipulation

ANSWER ANY 5 (FIVE) QUESTIONS FROM QUESTION NO. 3 TO 9

5x14 = 70

- 3) What is PRE & what do you mean by 1 RM? Describe the technique of PRE. 14
- 4) What is mobilization? Describe the grades & contraindications of mobilization. 14
- 5) Describe different types of massages used in physiotherapy. 14
- 6) What is starting position? Describe different basic starting positions. 14
- 7) What is group exercise? Describe its advantages & disadvantages. 14
- 8) What are the principles & indication of suspension therapy? 14
- 9) Write notes on (**any Two**):- 2x7 = 14
- a) Postural care
 - b) PNF
 - c) Cardiovascular endurance.

STATE MEDICAL FACULTY OF WEST BENGAL

Final Examinations For Diploma in Physiotherapy : DPT Course

Paper – II: Electrotherapy, Actinotherapy, Cryotherapy & Hydrotherapy

Time : 3 hours.

Full Marks : 80

*Question 1 & 2 are Compulsory and
Answer any 5 Questions from Question No. 3 To 9*

1) Answer all (Write only correct answer):

5x1 = 5

- i) Cold therapy can be used in all, except:
 - a) To reduce spasticity
 - b) To reduce pain
 - c) To reduce circulation to injured area

- ii) Unstable cavitation is found in:
 - (a) UST
 - (b) SWD
 - (c) Laser
 - (d) None

- iii) Faradism under pressure is used in:
 - (a) Lymphedema
 - (b) In fractures of bone
 - (c) To stimulate denervated muscle

- iv) Deep heat relieves pain by:
 - (a) Counter irritation
 - (b) Muscle relaxation
 - (c) Increased blood supply
 - (d) All

- v) Which electrical device is used for storing an electric charge?
 - (a) Capacitor
 - (b) Step up transformer
 - (c) Autotransformer
 - (d) Semiconductor

2) Answer all (True/False):

5 x 1 = 5

- i) Scar adhesion is treated by Iontophoresis.
- ii) In axonotmesis faradic current is applicable.
- iii) Disc electrode is used in SWD.
- iv) Electrotherapy is contraindicated in psychotic patients.
- v) Heating of tissue in IR therapy is by radiation.

Paper – II: Electrotherapy, Actinotherapy, Cryotherapy & Hydrotherapy

ANSWER ANY 5 (FIVE) QUESTIONS FROM QUESTION NO. 3 TO 9

5x14 = 70

- 3) What are the indication & contraindication of SWD? Discuss its application. 14
- 4) Discuss the Pain Gate therapy. Discuss different types of TENS. 14
- 5) What is acronym of LASER? Discuss types of LASER with its use. 14
- 6) Define Chronaxie & Rheobase. Discuss role of SD curve in peripheral nerve injury. 14
- 7) What is cryotherapy? Discuss method of application of ice therapy with its contraindication. 14
- 8) What is low frequency current? Discuss therapeutic use of direct current. 14
- 9) Write notes on (**any Two**):- 2x7 = 14
- d) PUVA
 - e) Phonophoresis
 - f) Advantage of wax therapy.

STATE MEDICAL FACULTY OF WEST BENGAL

Final Examinations For Diploma in Physiotherapy : DPT Course

**Paper – III : Physiotherapy in Medical, Surgical, Orthopedic,
Gynecological & Other Special Conditions**

Time : 3 hours.

Full Marks : 80

*Question 1 & 2 are Compulsory and
Answer any 5 Questions from Question No. 3 To 9*

1. Answer all (Write only correct answer):

5 x 1 = 5

- i) Golfer's elbow is:
 - (a) Medial epicondylitis
 - (b) Lateral epicondylitis
 - (c) All
 - (d) None

- ii) Brisk tendon reflex occurs in:
 - (a) Hemiplegia
 - (b) GB syndrome
 - (c) Polio
 - (d) All

- iii) Milwaukee brace is used in:
 - (a) Scoliosis
 - (b) Kyphosis
 - (c) Cervical spondylosis
 - (d) Lumbar spondylosis

- iv) Anterior horn cell is affected in:
 - (a) Myopathy
 - (b) Myelopathy
 - (c) Polio
 - (d) GB syndrome

- v) Swan neck deformity is seen in:
 - (a) Rheumatoid hand
 - (b) Carpal tunnel syndrome
 - (c) OA hand

2) Answer all (**True/False**)

5 x 1 = 5

- i) Carpal tunnel syndrome is due to involvement of ulnar nerve.
- ii) Delayed developmental mile stone may be a feature of CP.
- iii) Knuckle Bender splint is used in wrist drop.
- iv) Hemiplegia means loss of power of both lower limbs.
- v) Lumbar extension exercise should be avoided in spondylololsthesis.

**Paper – III : Physiotherapy in Medical, Surgical, Orthopedic,
Gynecological & Other Special Conditions**

ANSWER ANY 5 (FIVE) QUESTIONS FROM QUESTION NO. 3 TO 9

5x14 = 70

- 3) Give causes of LBP. Discuss its physiotherapeutic management. 14
- 4) What is supracondylar fracture of humerus? Discuss its complications & physiotherapeutic management. 14
- 5) What is adhesive capsulitis? Discuss its management. 14
- 6) What is bronchiectasis? Discuss postural drainage of right lower lobe of lung. 14
- 7) Discuss in detail antenatal & postnatal exercise. 14
- 8) Discuss physiotherapeutic management of hemiparesis. 14
- 9) Write notes on **(Any Two)** :- 2X7 = 14
- a) Cholecystitis
 - b) Spinal deformity
 - c) Bell's palsy.

STATE MEDICAL FACULTY OF WEST BENGAL

Final Examinations For Diploma in Physiotherapy : DPT Course

Paper – IV – Concepts of Rehabilitation, Pathology, Microbiology, Psychology, Budget, Planning & Administration

Time : 3 hours.

Full Marks : 80

*Question 1 & 2 are Compulsory and
Answer any 5 Questions from Question No. 3 To 9*

1. Answer all (Write only correct answer): 5 x 1 = 5
- i) Herpes Zoster is a disease caused by:
 - (a) Bacteria
 - (b) Virus
 - (c) Fungi

 - ii) Which is not a mosquito borne disease?
 - (a) Malaria
 - (a) Dengue
 - (c) Filaria
 - (d) Gonorrhoea

 - iii) Spread of malignant tissue may occur through:
 - (a) Direct spread
 - (b) Blood
 - (c) Lymphatics
 - (d) All

 - iv) Polio caused by the infection of:
 - (a) Protozoa
 - (b) Virus
 - (c) Bacteria
 - (d) None

 - v) All are autoimmune disease, except:
 - (a) RA
 - (b) SLE
 - (c) AIDS
 - (d) AS
- 2) Answer all (**True/False**) 5 x 1 = 5
- i) Depression is a disorder of thought.
 - ii) Sublimation is a mature defence mechanism.
 - iii) Granulation tissue is found in acute inflammation.
 - iv) Mantoux test is done for tuberculosis.
 - v) Fibroma is a malignant tumor.

**Paper – IV – Concepts of Rehabilitation, Pathology, Microbiology,
Psychology, Budget, Planning & Administration**

ANSWER ANY 5 (FIVE) QUESTIONS FROM QUESTION NO. 3 TO 9

5x14 = 70

3. Define atrophy, hypertrophy, neoplasia. 14
4. How to establish a physiotherapy unit in a rural hospital? 14
5. Define inflammation. Discuss process of inflammation. 14
- 6) Define immunity, gangrene, oedema. 14
- 7) Define impairment, disability and handicap. 14
- 8) Write few lines on emotional, social & motor development. 14
- 9) Write notes on **(Any Two)**:- 2 x 7 = 14
- a) Orthoses
 - b) Mobility aids
 - c) Prostheses.
