

# B.P.T. [4<sup>th</sup> Prof.]

BF/2009/07

## P.T. in Surgical Conditions

M.M. : 90

Time : 3 Hours

### SECTION - A

*All questions are compulsory. Answer to each question upto 5 lines in length. Each question carries 2 Marks.* [20]

1. Craniotomy.
2. Myelomeningocele.
3. Abdominal hernia.
4. Axonotmesis.
5. Spina bifida.
6. Urinary incontinence.
7. Otitis Media.
8. Huffing.
9. Cobb's angle.
10. Tidal volume.

### SECTION - B

*Attempt any 8 questions. Answer to each question upto 2 pages in length. Each questions carries 5 Marks.* [40]

1. Briefly classify Decubitus ulcers and goals of PT management.
2. Briefly describe Tetralogy of fallot.
3. PT management after Nerve repair.
4. Glasgow coma scale.
5. Contractures in burns.
6. Use of modalities in wound management.
7. PT management after Lobectomy.
8. Exercises after CABG.
9. Complications of mastectomy.
10. Perinatal complications.
11. Tendon transfers.
12. Gangrene.

### SECTION - C

*Attempt any 2 questions. Answer to each question upto 5 pages in length. Each questions carries 15 Marks.* [30]

1. Classify Burns and describe the role of PT and its goals in a burns patient.
  2. Describe in detail the Antenatal and Post natal physiotherapy.
  3. Discuss the indications of Laminectomy and physiotherapy management after the surgery.
  4. Briefly describe the types of Abdominal incisions and the role of PT and its goals after abdominal surgery.
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## P.T. in Medical Conditions-II

M.M. : 90

Time : 3 Hours

### SECTION – A

*All questions are compulsory. Answer to each question upto 5 lines in length. Each question carries 2 Marks.* [20]

1. Muscle atrophy.
2. Tremor in Parkinson's disease.
3. Haemorrhagic stroke.
4. Myelogram in neurological patients.
5. Spinal cord injuries- common causes.
6. Define Syringomyelia.
7. Importance of Passive neck flexion.
8. What are the common paediatric hereditary disorders.
9. Define Osteoarthritis.
10. What are the innervation of facial nerve.

### SECTION – B

*Attempt any 8 questions. Answer to each question upto 2 pages in length. Each questions carries 5 Marks.* [40]

1. How to evaluate 7<sup>th</sup> cranial nerve.
2. Explain regeneration in a peripheral nerve injury.
3. What are the stages of recovery in Brunstrom's approach.
4. Write in brief the pathology of Amyotrophic Lateral Sclerosis.
5. What are the problems encountered by a Post Polio Residual Palsy patient.
6. How will you differentiate between Poliomyelitis and Polyneuropathy?
7. How will you differentiate between Brachial neuralgia and Brachial neuritis.
8. What are the Upper limb problems in Hemiplegics.
9. What are the common problems of a Cerebral palsy diplegic who crouch.
10. Write short note on autonomic dysreflexia.
11. How will you improve balance in a geriatric patient.
12. What are the common Cardio pulmonary problems in geriatric patients.

### SECTION – C

*Attempt any 2 questions. Answer to each question upto 5 pages in length. Each questions carries 15 Marks.* [30]

1. Write an essay on pediatric evaluation and its implication for physiotherapists.
  2. How will you manage a 60 year old Right Hemiplegic of 3 months duration.
  3. How will you manage a 60 year old Parkinson's patient of 5 years duration.
  4. How will you assess and manage a case of 70 year Lumbar spondylosis.
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## Neurology

M.M. : 90

Time : 3 Hours

### SECTION - A

*All questions are compulsory. Answer to each question upto 5 lines in length. Each question carries 2 Marks.* [20]

1. Name Cervico-vertebral junction anomalies.
2. Spinal arachnoiditis.
3. Arterial supply of spinal cord.
4. Draw Lumbar plexus.
5. Connections of extrapyramidal system.
6. Cervical cord-cut section.
7. Seventh cranial nerve.
8. Carpal tunnel syndrome.
9. Seizure –classification.
10. Signs and symptoms of Transverse myelitis.

### SECTION – B

*Attempt any 8 questions. Answer to each question upto 2 pages in length. Each questions carries 5 Marks.* [40]

1. Basal ganglia.
2. Difference between Spasticity and Rigidity.
3. Difference between UMN and LMN features.
4. Approach to Dystonia.
5. Discuss Hydrocephalus and its management.
6. Demyelinating disorders-classification.
7. Post-polio syndrome.
8. Bell's palsy.
9. Status epilepticus-definition and management.
10. Note on Duchene's muscular dystrophy.
11. Spinal shock.
12. Discuss Intracranial hemorrhage.

### SECTION – C

*Attempt any 2 questions. Answer to each question upto 5 pages in length. Each questions carries 15 Marks.* [30]

1. Alzheimer's disease-clinical profile and management.
  2. Tubercular meningitis-diagnosis, treatment and long-term complications.
  3. Role of physiotherapy in Stroke patients.
  4. Multiple Sclerosis-types and management.
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## **Pediatrics & Geriatrics**

**M.M. : 90**

**Time : 3 Hours**

### **SECTION - A**

*All questions are compulsory. Answer to each question upto 5 lines in length. Each question carries 2 Marks.* [20]

1. Erb's palsy.
2. Rickets.
3. Energy requirements of the elderly.
4. Landau's reflex.
5. Pediatric burns.
6. Developmental milestones of 9 month old baby.
7. Greenstick fractures in children.
8. Parkinson's disease.
9. Rheumatic heart disease.
10. Socio economic impact of aging.

### **SECTION - B**

*Attempt any 8 questions. Answer to each question upto 2 pages in length. Each questions carries 5 Marks.* [40]

1. Musculoskeletal disorders in Down syndrome.
2. Ventricular Septal defect.
3. Management of Urinary incontinence in the elderly.
4. Define Cerebral Palsy and discuss its classification.
5. Obesity in the elderly.
6. Differentiating features between Delerium & Dementia.
7. Physiological changes related to aging.
8. Chronic Obstructive Pulmonary Disease-diagnosis & management.
9. Risk factors for Atherosclerosis.
10. Pathophysiology of Bronchial Asthma.
11. Antioxidants.
12. Approach to an elderly patient presenting with Muscular symptoms.

### **SECTION - C**

*Attempt any 2 questions. Answer to each question upto 5 pages in length. Each questions carries 15 Marks.* [30]

1. Describe the etiological factors, clinical features, diagnosis and management of patient with Stroke.
2. Discuss in detail the examination and assessment of a pediatric patient.
3. An elderly driver is at an increased risk for accidents. Discuss in detail, the functional and medical assessment of an elderly driver. Also mention some interventions which could be useful for such a patient.
4. Enumerate common causes of limping in a child. How will you examine, diagnose and manage such a child.

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## Principles of Rehabilitation

M.M. : 90

Time : 3 Hours

### SECTION - A

All questions are compulsory. Answer to each question upto 5 lines in length. Each question carries 2 Marks. [20]

1. Define impairment as described by WHO.
2. Spasticity.
3. Speech.
4. Walking stick.
5. NGO.
6. ADIP scheme.
7. Endoskeletal prosthesis.
8. Arch support.
9. Purchase of new equipment.
10. Income of an organization.

### SECTION - B

Attempt any 8 questions. Answer to each question upto 2 pages in length. Each questions carries 5 Marks. [40]

1. Care of above knee prosthesis.
2. Check out of Below elbow prosthesis.
3. Sheltered workshop.
4. Role of physiotherapy in CBR.
5. Causes of delayed mile stones.
6. Classification of Mental retardation.
7. Dynamic kock up splint.
8. Epidemiological triad.
9. Prevention of Deformity.
10. Economic implications of severe Locomotor disability on a family.
11. Wheel chair activities for D<sub>5</sub>/D<sub>6</sub> level spinal injury leading to Paraplegia.
12. Pre prosthetic fitment preparations.

### SECTION - C

Attempt any 2 questions. Answer to each question upto 5 pages in length. Each questions carries 15 Marks. [30]

1. Describe causes of Hemiplegia and role of rehabilitation nurse in medical rehabilitation of Right sided Hemiplegia.
2. Describe components of HKAFO.
3. Describe rehabilitation team and role of social worker in vocational rehabilitation of a person with bilateral above knee amputation.
4. Classify Aphasia. Describe its causes and management in detail.

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## General Surgery

M.M. : 90

Time : 3 Hours

### SECTION - A

*All questions are compulsory. Answer to each question upto 5 lines in length. Each question carries 2 Marks.* [20]

1. Carbuncle.
2. Squamous cell carcinoma.
3. Keloid.
4. Ptosis.
5. Sebaceous cyst.
6. Ganglion.
7. Lipoma.
8. Paronychia.
9. Secondary suturing.
10. AIDS.

### SECTION - B

*Attempt any 8 questions. Answer to each question upto 2 pages in length. Each questions carries 5 Marks.* [40]

1. Describe Bed sores and write management.
2. Describe Tubercular Cervical lymphadenitis.
3. Describe Trachoma and its management.
4. Describe clinical features of Bell's palsy and its management.
5. Describe causes of non healing ulcer and its management.
6. Describe Pneumothorax and its management.
7. Spinal anaesthesia and its complications.
8. Describe complications of Blood transfusion.
9. Describe Upper midline abdominal incision.
10. Describe Senile cataract & its management.
11. Describe Vertigo and its treatment.
12. Describe Sterilization and various methods of sterilization of operation room materials.

### SECTION - C

*Attempt any 2 questions. Answer to each question upto 5 pages in length. Each questions carries 15 Marks.* [30]

1. Describe etiopathogenesis of Tetanus and its management.
  2. Describe causes of Low backache and describe in detail its management.
  3. Describe stages of Labour and causes of Post partum haemorrhage.
  4. Describe common refractive errors of the eyes and their management in short.
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