

B.P.T. [2nd Prof.]

BF/2008/12

Pathology and Microbiology

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. Cardinal signs of inflammation.
2. Dystrophic calcification.
3. Wet gangrene.
4. Fate of the thrombus.
5. Types of giant cells.
6. T Lymphocytes.
7. Morphology and culture of candida.
8. Bacterial spores.
9. Liquefactive necrosis.
10. Phagocytosis.

SECTION - B

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

1. Bronchiectasis.
2. Osteomyelitis.
3. Lab. Diagnosis of tuberculosis.
4. Tetanus.
5. Rabies.
6. Rheumatoid arthritis.
7. Sterilization.
8. Type I hypersensitivity reaction.
9. Pathology of Coronary heart disease.
10. Megaloblastic anaemia.
11. Urinary tract infection.
12. Disinfection.

SECTION - C

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

1. Discuss pathogenesis, morphology and stages of Shock.
 2. Define Neoplasia and discuss pathways of spread of tumours.
 3. Enumerate micro-organisms causing wound infection and discuss its laboratory diagnosis.
 4. Describe the causative agents of Meningitis and discuss laboratory diagnosis of Meningococcal meningitis.
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B.P.T. [2nd Prof.]

BF/2008/12

Exercisetherapy-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. Define Endurance.
2. What are breathing exercises.
3. What is Accessory movement.
4. Definition and types of Equilibrium.
5. Define Axes and plane.
6. Define Frenkel's exercises.
7. Define Tone.
8. What is 1 RM.
9. Define starting position.
10. What is angle of Pull.

SECTION - B

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

1. Define between Isotonic, Isometric and Isokinetic exercises with relevant examples.
2. Explain in detail the preparation of crutch walking.
3. Define Posture and explain various characteristics of good posture.
4. Explain role of diaphragm in breathing.
5. Enumerate an exercise programme to improve static trunk balance in an progressive manner?
6. Define PNF. Describe diagonal patterns of PNF.
7. Explain procedure and preparation of Lumbar traction in PIVD.
8. Explain various free exercises of shoulder complex with diagram.
9. List various exercises used to improve hand function in children with in-coordination.
10. What are pulleys? Briefly describe their therapeutic use?
11. What are relaxation techniques. General principles of relaxation techniques.
12. Define Joint mobilisation. Explain various levels of grading joint mobilisation.

SECTION - C

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

1. Describe indication, goals, precautions and contraindications of Stretching.
 2. Explain in detail physiological and therapeutic effects of Hydrotherapy.
 3. Define and explain various spatial and temporal parameters of normal gait.
 4. Explain the mechanism by which vestibular system helps in maintaining balance.
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B.P.T. [2nd Prof.]

BF/2008/12

Biomechanics

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. Give example of three natural pulleys in body.
2. Name any two joints which have meniscus.
3. Isolytic motion.
4. Eccentric motion.
5. Attachments of spring ligament.
6. Closed kinematic chain exercise.
7. Cadence.
8. Base of support.
9. Anterior transverse arch.
10. Function of Deltoid ligament.

SECTION - B

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

1. Newton's laws of motion.
2. Condylar joint.
3. 2nd order lever and its three examples in human body.
4. Ligaments of the knee joint.
5. Supination and pronation in the foot.
6. Components of normal gait.
7. Hip hicking gait.
8. Active insufficiency.
9. Nutation and counter nutation.
10. Structure of a articular cartilage.
11. Gleno-humeral rythm.
12. Tonic and Phasic muscles.

SECTION - C

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

1. Write a note on the muscles and ligaments of the lumbar spine. Give in detail their attachments and biomechanical functions.
 2. Classify all the joints of Lower limb and also mention their freedom of movement and their prime movers for each motion.
 3. Write a note on determinants of Gait and its kinematic analysis.
 4. Write a note on analysis of Posture.
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B.P.T. [2nd Prof.]

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Psychology

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. Describe the nature of IQ.
2. What is Catharsis.
3. Distinguish between id, ego and super ego.
4. Explain the terms identification and displacement.
5. What is size constancy.
6. Differentiate between Primary and Secondary reinforcement.
7. What is Insight Learning.
8. What are hallucinations. Mention the different types of hallucinations.
9. Define non-compliance.
10. What is pediatric psychology.

SECTION - B

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

1. What is an Experiment. Discuss the merits and demerits of experimental method.
2. Why do we use defence mechanisms. Explain some of the important defence mechanisms.
3. Briefly explain the role of family and culture in the development of Personality.
4. Define Anger. How can we control anger.
5. Describe the nature of MMPI and explain its significance in the measurement of personality.
6. Explain the laws of learning as proposed by Thorndike.
7. Highlight the significance of Mnemonic method in organising the learning material.
8. Define Creativity. What are the characteristics of creative people.
9. Define attention. Explain the factors that determine our attention.
10. Discuss the psychosomatic reactions to stress.
11. What is behaviour modification? Highlight its significance as a therapeutic technique.
12. Explain the different personality styles of patients.

SECTION - C

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

1. Give a critical analysis of the nature-nurture controversy on Personality development.
 2. What is Operant conditioning. Explain the role of reinforcement in operant conditioning.
 3. Differentiate between Verbal and Non-verbal communication. What are the barriers to effective communication. How can we make our communication effective with the patients.
 4. What is drug addiction. Discuss some of the social and psychological consequences of drug addiction.
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B.P.T. [2nd Prof.]

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Electrotherapy-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. Fresnel zone.
2. Refraction.
3. Dipole rotation.
4. Magnetron.
5. Semiconductor diode LASER.
6. Electron 'Cloud' motion.
7. Transistor & Electromagnetic field.
8. Vapocoolant spray.
9. "Specific heat".
10. Ruby LASER.

SECTION - B

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

1. Write pattern of heating in tissues by Microwave diathermy.
2. Write properties of LASER in detail.
3. Write a note on heat transfer in human body.
4. Describe patient's preparation for IFT(Interferential therapy).
5. Write a note on Action potential.
6. What is Intermittent compression therapy? Write uses of Intermittent compression therapy.
7. Write uses of EMG in physiotherapy.
8. Write a note on ethical aspects of use of electrotherapy.
9. What are the differences between Microwave and Shortwave diathermy.
10. Write different application techniques in therapeutic Ultrasound.
11. What is Biofeedback? Write the uses of Biofeedback in physiotherapy.
12. What are the different types of Cold therapy? Explain.

SECTION - C

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

1. Write physiological and therapeutic effects of Short wave diathermy.
 2. Write physical properties of Ultrasound. What are the contraindications of Ultrasound.
 3. Write physiological effects of Cold.
 4. Write effects of LASER on the tissues. What are the contraindications of LASER.
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B.P.T. [2nd Prof.]

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Pharmacology

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]

Explain why?

1. Amoxicillin is preferred over ampicillin.
2. Nitrates are drug of choice for classical angina.
3. Non sedating anti-histamine drugs shall never be given with Erythromycin.
4. Amoxicillin is combined with Clavulanic acid.
5. Metronidazole shall be avoided in habitual alcoholics.
6. Low dose aspirin is life saving in Myocardial infarction.
7. Sub-lingual route of administration of GTN is preferred in acute angina.
8. Milk must be avoided in patients consuming Tetracycline.
9. Adrenaline is drug of choice in anaphylactic shock.
10. Theophylline is drug of choice in Bronchial asthma.

SECTION - B

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

1. Enlist the side effects and contraindications of sodium valproate.
2. Write pharmacological effects of morphine.
3. BAL is used in which type of metal toxicity.
4. Role of neostigmine in Myasthenia gravis.
5. Write short note on Sulphonyl ureas.
6. What is Paracetamol poisoning.
7. Therapeutic indications of anticholinergic drugs.
8. COX-2 inhibitors & their side effects.
9. Therapeutic indications of Prednisolone.
10. Diabetic Ketoacidosis.
11. How will you manage iron toxicity.
12. Write down the side effects & uses of Penicillin.

SECTION - C

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

1. What is drug antagonism? Give suitable examples.
 2. Classify Anti-epileptic drugs? Which drugs are recommend in Grand-mal epilepsy. Write down their mechanism of action & side effects.
 3. Classify the drugs used in Hypertension. Give Cardiovascular uses of β -blockers & their contra-indications.
 4. Classify Macrolides. Write mechanism of action of Erythromycin, its antibacterial spectrum and therapeutic indications.
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B.P.T. [3rd Prof.]

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Orthopaedics

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. Foot drop.
2. Cubitus Valgus.
3. Loose bodies.
4. Mc. Murray's test.
5. Cold abscess.
6. Antalgic gait.
7. Knock knee.
8. Scoliosis.
9. Perthes disease.
10. Osteotomy.

SECTION - B

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

1. Dequervains disease.
2. ACL injury.
3. Complications of Post Polio residual paralysis.
4. Volkman's ischaemic contracture.
5. Clinical fracture of Osteosarcoma.
6. Claw Hand.
7. Principles of Tendon transfer.
8. Stress fracture.
9. Non union.
10. Colles fracture.
11. Hand shoulder syndrome.
12. Swan neck deformity.

SECTION - C

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

1. Classify benign tumors of bone. Discuss the clinical features, diagnosis and management of simple bone cyst.
 2. Discuss the clinical features, diagnosis, management and complications of Pelvic fracture.
 3. Define Compartment syndrome. Discuss its clinical features, diagnosis and management.
 4. Classify Nerve injuries. Discuss clinical features, diagnosis and management of Median nerve injury at arm.
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B.P.T. [3rd Prof.]

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Research Methodology

M.M. : 90

Time : 3 Hours

NOTE : NON-SCIENTIFIC CALCULATOR IS ALLOWED.

SECTION - A

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

1. Define Standard error.
2. What are the main principles of Sampling?
3. Explain one-tail and two-tailed test.
4. Define acceptance and rejection region.
5. Define Null hypothesis and Alternative hypothesis.
6. Distinguish between research methods and research methodology.
7. What is the difference between Census and sample method.
8. What is Cluster sampling.
9. Define reliability of a test.
10. What is Chi-square (χ^2) test of goodness of fit.

SECTION - B

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

1. Define standard error of statistic. Give its significance.
2. Design a Questionnaire for the chronic arthritis patients.
3. What does 'Validity' stands for? Explain various kinds of validity that a test can have.
4. What is the procedure of evaluating a research report?
5. Explain one sample run test and also discuss its importance
6. Calculate Coefficient of Correlation by the method of Spearman from the following data:

X:	46	56	39	46	56	58	36	40
Y:	30	60	40	50	70	70	30	50
7. A certain diet newly introduced to each of 12 patients resulted in the following increase in body weight:
5, 2, 8, -1, 3, 0, -2, 1, 5, 0, 4, 6
Can you conclude that diet is effective in increasing the weight of the patients. [$t_{0.05}(11) = 2.21$]
8. Explain the various methods of sampling. Also discuss its merits and demerits.
9. Illustrate the advantages and disadvantages of Rating scales.
10. Distinguish between:
 - a. Parameters and Statistics.
 - b. Biostatistics. + Statistical

P.T.O.

11. Discuss the usefulness of the normal probability curve in the context of clinical research.
12. Explain the concept of level of significance in test of hypothesis. Discuss briefly the procedure for testing a hypothesis.

SECTION – C

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

1. Discuss the significance of research in clinical practice with scientific approach. Also explain its purposes and limitations. [15]
2. a. What are the conditions of using Chi-square (χ^2) test. [5]
 b. A drug is said to be useful for the treatment of Cold. The effect of treatment is described in the following table: [10]

	Helpful	Harmful	No effect
Drug	52	10	18
Sugar pills	44	10	26

Test the hypothesis that in the treatment of Cold, the drug is not all effective as compared to Sugar pill. [$\chi^2_{.05}(2) = 5.991$]

3. A test was given to 5 students chosen at random from M.Com class of each of the three universities in Haryana. Their scores are found as follows [15]

Universities	Scores				
A	90	70	60	50	80
B	70	40	50	40	50
C	60	50	60	70	60

Perform analysis of Variance and show if there is any significant difference between the scores of students in the three Universities. [$F_{.05} = 3.44$]

4. Calculate the Coefficient of Correlation by Karl Pearson between density of population and the death rate: [15]

Cities	Area in Sq. Km	Population ('000)	No. of deaths
A	200	40	480
B	150	75	1200
C	120	72	1080
D	80	20	280

B.P.T. [3rd Prof.]

BF/2008/12

General Medicine

M.M. : 90

Time : 3 Hours

SECTION - A

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

1. Criterias for diagnosis of Pulmonary tuberculosis.
2. Prevention of Tetanus.
3. Causes of Acne Vulgaris.
4. Causes of dysentery.
5. Prevention of Chicken pox.
6. Diagnosis of AIDS.
7. Prevention of Coronary artery disease.
8. Causes of anaemia.
9. Non pharmacological treatment of Type 2 Diabetes Mellitus.
10. Routes of transmission of Hepatitis C infection.

SECTION – B

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

1. Management of Secondary hypertension.
2. Treatment of Chronic obstructive Pulmonary disease.
3. Management of Rheumatic fever.
4. Types of Leprosy and its transmission.
5. Prevention of Deep venous thrombosis.
6. Management of bacterial pneumonia.
7. Causes of Liver abscess.
8. Prevention of sexually transmitted diseases.
9. Causes of Depression.
10. Sex education on HIV infection.
11. Causes of Coronary artery disease.
12. Causes and management of duodenal ulcer.

SECTION – C

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

1. Immunisation of preventable Viral illnesses.
 2. Typhoid fever and its complications.
 3. Causes and management of Type2 Diabetes Mellitus.
 4. Write about Smoking hazards.
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B.P.T. [3rd Prof.]

BF/2008/12

P.T. in Ortho 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. What is bankart lesion.
2. What is adhesive capsulitis in shoulder.
3. What is no man's land.
4. Describe the clinical test for the diagnosis of Meniscus injury.
5. Write down the complications of Genu valgum.
6. What is student's elbow.
7. Write down the role of PT in acute sports injury.
8. Write down the complications of fracture shaft of femur.
9. What is Bryant's triangle.
10. Write down the principles of prosthetic socket design.

SECTION - B

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

1. Compare and contrast between closed and open fracture.
2. Compare and contrast between slab and cast.
3. What is Mal union.
4. What is Smith's fracture.
5. What is Neuroma.
6. Discuss prosthetic care.
7. Describe circumductory gait deviation in AK amputee.
8. What is Supinated foot.
9. Write down physiotherapy in Patellectomy.
10. Write down physiotherapy in excision arthroplasty.
11. Write down the pre-operative PT in Leprosy claw correction.
12. Write down the physiotherapy for Strain.

SECTION - C

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

1. What is Spondylolisthesis? Write down the evaluation of Lumbar Spondylolisthesis and the physiotherapy management.
 2. Discuss the problems in Rheumatoid hand and the physiotherapy management.
 3. Write down the post-operative physiotherapy for Meniscus repair.
 4. Write down the complications of amputation and their physiotherapy management.
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B.P.T. [3rd Prof.]

BF/2008/12

P.T. in Medical Condition-I

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. What is Obesity.
2. What is Pump handle movement.
3. What are restrictive lung disorders.
4. Fibromyalgia.
5. What is Alopecia.
6. Describe Still's disease.
7. Senile dementia.
8. Rickets disease.
9. Gangrene.
10. Pleurisy.

SECTION - B

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

1. What is Vital capacity.
2. Define Status Asthmaticus.
3. Write the management of Osteoporosis.
4. What is the physiotherapy management for Bursitis.
5. Describe Chronic bronchitis.
6. What is the physiotherapy management in Deep Vein Thrombosis.
7. Chest percussion.
8. Breathing exercise for a breathless patient.
9. Pneumonia types and their treatment.
10. Write physiotherapy management of Hypotension.
11. Write down the aims and physiotherapy management of Bronchial asthma.
12. Write the physiotherapy management for Osteoarthritis(O.A.)

SECTION - C

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

1. Describe the common conditions of Skin and its physiotherapy management
 2. How will you manage a case suffering from Periarthritis shoulder.
 3. What is Bronchiectasis? Describe the physiotherapy management of Bronchiectasis.
 4. Write in detail on Infective arthritis and physiotherapy management.
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B.P.T. [4th Prof.]

BF/2008/12

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. Epistaxis.
2. Spinal anaesthesia.
3. Marjolin's ulcer.
4. Right subcostal incision.
5. Ludwig's angina.
6. Blepharitis.
7. Pre-eclampsia.
8. Thiersch graft.
9. Post-natal exercises.
10. Universal precautions.

SECTION - B

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

1. Describe clinical features of various malignant ulcers.
2. Describe symptoms of strabismus and general principles of its management.
3. Describe Puerperium. How will you manage puerperal sepsis.
4. Describe Cellulitis- its aetiology, clinical features and management.
5. Write aetiology, clinical features and management of Chronic serous otitis media.
6. Classify burn injuries and write management of partial thickness burn wound.
7. Write clinical features of Haemorrhage and indications of blood transfusion.
8. Define "Short sight" and write types of myopia and its treatment.
9. Describe basic principles of management of Chest injury.
10. Enumerate common diseases of pregnancy and write management of vomiting in pregnancy.
11. Write pathophysiology of Hypovolumic shock and its management.
12. Describe major complications of Blood transfusion.

SECTION - C

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

1. Enumerate causes of Cervical Lymph node enlargement and write management of tubercular cervical lymphadenitis.
 2. Enumerate various causes of Cataract and write management of age related (senile) cataract.
 3. Enumerate causes of Ulceration of the leg and write management of venous ulcers.
 4. Write in brief about stages of Labour and describe management of post-partum haemorrhage.
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B.P.T. [4th Prof.]

BF/2008/12

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 type of Nerve fibres.
2. Name causes of Hydrocephalus.
3. Define and enlist causes of Carpal tunnel syndrome.
4. Types of Nystagmus.
5. Enlist Cerebellar signs.
6. Discuss types of muscle disease.
7. Management of Bell's palsy.
8. Define Stroke & types of Stroke.
9. Classify Intracranial tumors.
10. Define Myaesthesia Gravis and its associations.

SECTION - B

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

1. Discuss Lumbosacral plexus and its presentation.
2. Discuss pathogenesis of Diabetic neuropathy.
3. Discuss anatomy of Thalamus.
4. Newer antiepileptic drugs.
5. Clinical features of Syringomyelia.
6. Spinal Arachnoiditis.
7. Types of peripheral nerves injuries and its management.
8. Neuropathic pain.
9. Clinical picture of Anterior spinal artery syndrome.
10. Clinical features of Parkinson's disease.
11. Types of dementia.
12. Poliomyelitis & discuss prevention.

SECTION - C

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

1. Discuss Head Injury-First aid, localization and management.
 2. Discuss course and management of Myasthenia Gravis in tertiary care setting (esp. ICU).
 3. Neurophysiological basis of Muscle tone. Management of muscle tone disorders.
 4. Discuss in detail approach to a patient of Acute Meningitis.
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B.P.T. [4th Prof.]

BF/2008/12

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. Bell's Palsy.
2. Osteoporosis.
3. Energy requirement of one year old child.
4. Atrial fibrillation in an elderly patient.
5. Babinski reflex.
6. Calculation of body surface area burnt.
7. Developmental milestones of a 2 year old.
8. Duchennes Muscular Dystrophy.
9. Coronary artery disease.
10. Cognitive changes related to aging.

SECTION - B

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

1. Red alerts suggesting developmental delay in a child.
2. Epidemiology and socio economic impact of aging.
3. Approach to Acute Flaccid Paralysis in a child.
4. Etiogenesis of common hereditary disorders in children.
5. Diagnosis of dementia in the elderly.
6. Aging and Lungs.
7. Diagnosis and management of Heart failure in elderly.
8. Diagnosis and management of Peripheral Atherosclerosis.
9. Comprehensive geriatric assessment.
10. Approach for an elderly patient presenting with tremors.
11. Causes of Congestive heart failure in children.
12. Transient Ischemic attacks.

SECTION - C

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

1. Define Depression. Discuss the possible etiologies, clinical features, diagnosis and management of an elderly patient with depression.
 2. Define Cerebral Palsy. Discuss its classification, possible etiologies, clinical features and management of such a patient.
 3. Discuss the various risk factors and consequences of falling in the elderly. Outline a preventive and rehabilitation plan for elderly patient who had had a fall.
 4. Describe the etiologic factors, clinical features, diagnosis and management of patient with Stroke.
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B.P.T. [4th Prof.]

BF/2008/12

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. Describe person with disability.
3. Camp approach.
4. Describe Spasticity.
5. Define Speech.
6. Stump.
7. Intelligent quotient.
8. Ambulation activities.
9. Recurring expenditure.
10. Orthotics.

SECTION - B

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

1. Care of Prosthesis.
2. Self help devices.
3. Indications of HKAF0.
4. Sheltered workshop.
5. Role of NGOs in awareness generation.
6. Role of society in rehabilitation of person with Hansen's disease.
7. ADIP scheme.
8. Educational facilities for children with disabilities.
9. Community resources in CBR.
10. Rehabilitation nursing of a person with hemiplegia.
11. Principles of management of a rehabilitation unit.
12. Significance of primary level of prevention.

SECTION - C

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

1. Describe Social and economical implications of disability on society.
 2. Define Aphasia. Describe its management in a child with Cerebral palsy.
 3. Describe parts of below elbow prosthesis.
 4. Describe home management programme of a child with severe mental retardation.
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B.P.T. [4th Prof.]

BF/2008/12

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. Increased Deep tendon reflex.
2. Resting tremor.
3. Transient ischaemia.
4. CT scan importance in neurological patients.
5. What are degenerating spinal cord lesions.
6. Define motor neuron disease.
7. Importance of slump test.
8. What are the common paediatric problems around hip.
9. Define Myopathy.
10. What are the innervation of spinal accessory 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 ninth cranial nerve.
2. What is neuroplasticity.
3. What are the principles of Rood's approach.
4. Write briefly the pathology of Syringomyelia.
5. What are the signs and symptoms of Poliomyelitis.
6. Describe the different types of Polyneuropathy.
7. What are the clinical features of brachial neuritis.
8. What are the lower limb functional problems in hemiplegics.
9. What are the features of a Flaccid cerebral palsy.
10. Write short note on heterotrophic ossification.
11. How will you give strengthening to neuromuscular patients.
12. How is a newborn evaluated.

SECTION – C

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

[30]

1. What are the common diagnostic procedures available for neurological patients. Write briefly specific findings which are of importance to physiotherapy.
2. How will you manage a Hemiplegic shoulder.
3. How will you manage a D₁₀ level spinal cord injury patient.
4. How will you assess and manage a case of Pseudo Hypertrophy Muscular Dystrophy [PHMD].

B.P.T. [4th Prof.]

BF/2008/12

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. Atelectasis.
2. Bronchopulmonary fistula.
3. Otitis media.
4. Trophic ulcers.
5. DVT.
6. Fallot's tetralogy.
7. Wound healing.
8. Grid-iron incision.
9. Pre-eclampsia.
10. PTCA.

SECTION - B

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

[40]

1. Describe the postural deformity following Thoracoplasty.
2. Describe PT management following Cholecystectomy.
3. Discuss the various abdominal incisions. Add a note on various muscles cut during these incisions.
4. Discuss salient P.T. measures following a C-section.
5. Write a note on Skin grafting.
6. Briefly outline the PT management of Hysterectomy.
7. Write a note on CABG.
8. Discuss Weber's test and Rinnes test.
9. Discuss the role of TENS in obstetrics.
10. Write a note on Shock.
11. Discuss the role of splinting in burns.
12. Briefly outline the PT interventions following Laminectomy.

SECTION - C

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

[30]

1. Discuss in detail the assessment and management of Burns.
2. Discuss the management of a patient undergoing Pneumonectomy of right Lung.
3. Discuss the role of PT in Ante-natal and Post-natal stages.
4. Discuss the role of PT in a patient undergoing Heart transplantation
