Second BPTH (2012)
Pharmacology
Time : 2 Hrs
Max. Marks : 40.00
Version
Question Booklet Sr. No. :

51211

Que1.Short Answer Questions (Solve any 5 out of 6) (5x3=15.00)

a

Write the mechanism of action and therapeutic uses of Diazepam

b

Write a note on Amlodipine.

c

Classify the drugs used for treatment of cough. Add a note on drugs used in productive cough.

d

Define haematinics. How is iron deficiency anaemia treated? Write are adverse effects of iron treatment?

e

Define plasma half-life. Give its significance.

f

Write mechanism of action and adverse effects of Aminoglycoside

Que2.Short Answer Questions (Solve any 5 out of 6) (5x5=15.00)

a

Define and classify Adverse Drug Reaction. Add a note on teratogenicity.

b

Classify first line anti-tubercular drugs. Write mechanism of action and adverse effects of Isoniazid and Rifampicin

c

Classify oral antidiabetic drugs and Write a short note on Metformin

d

Classify Penicillin. Mention mechanism of actions, therapeutic uses and adverse effects.

e

Classify various routes of drug administration. Compare advantage and disadvantage of oral and parenteral routes of administration.

f

Enumerate beta-blockers. Describe mechanism of action, three therapeutic uses and two adverse effects of beta-blockers.

SECOND B.P.TH. (2012)

PATHOLOGY AND MICROBIOLOGY

Total Duration : 3 Hrs. **Total Marks : 80**

Instruction: 1) *Use **black** ball point pen only.*
2) ***Do not** write anything on **the blank portion of the question paper.** If anything is written, 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. This format is merely a guideline. Questions from the syllabus can be asked in any paper. Students cannot claim that the Question is out of syllabus, as this format and distribution has been given only for the sake of placement.*
7) *Use common answer book for all sections.*

SECTION – "A" (50 Marks)
(PATHOLOGY)

1 . Short Answer Questions (any five out of six) **(5x7=35)**

a) Write etiopathogenesis, clinical features and laboratory parameters of Rheumatoid arthritis.

b) Write about paraneoplastic syndrome.

c) What is Pneumoconiosis? Enumerate types of Pneumoconiosis. Describe any one in detail.

d) Define inflammation. What are cardinal signs of inflammation? Describe cellular events of acute inflammation.

e) Define and classify Necrosis. Describe any one type of necrosis in detail.

f) Classify Oedema. Write pathogenesis ad morphology of Renal oedema.

2- Long Answer Questions (any one out of two) **(1x15=15)**

a) Define Neoplasia. Differentiate between benign and malignant tumors. Describe grading and staging of tumors. Write various routes of metastasis with example of each.

b) Describe Granulation tissue. Describe healing of wound by First intention (primary union). Enumerate factors affecting wound healing. Add a note on bone healing.

PTO

SECTION – "B" (30 Marks)
(MICROBIOLOGY)

3. Short Answer Questions (any three out of four) **(3x5=15)**

a) Describe laboratory diagnosis of viral infections.

b) Discuss Mycetoma

c) Define Hypersensitivity. Describe in brief Type IV hypersensitivity.

d) Enumerate Robert Koch's contributions to Microbiology.

4. Long Answer Questions (any one out of two) **(1x15=15)**

a) Mention the causative agent of Cholera. Describe the morphology, pathogenesis and laboratory diagnosis of Cholera.

b) Describe the morphology of Clostridium perfringens. Mention pathogenesis and laboratory diagnosis of Gas Gangrene. Add a note on treatment of Gas Gangrene.

SECOND B.P.T.H. (2012)

PSYCHIATRY (INCLUDING PSYCHOLOGY)

Total Duration : 3 Hrs. **Total Marks : 40**

Instruction: 1) *Use **black** ball point pen only.*
2) ***Do not** write anything on **the blank portion of the question paper.** If anything is written, 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. This format is merely a guideline. Questions from the syllabus can be asked in any paper. Students cannot claim that the Question is out of syllabus, as this format and distribution has been given only for the sake of placement.*
7) *Use common answer book for all sections.*

1. Short Answer Questions (any five out of six) **(5x3=15)**

a) Describe phobia and its management briefly

b) Discuss clinical features of mania.

c) Write about the different common causes of delirium.

d) Describe mental retardation and its grades.

e) Discuss postpartum psychosis. What important precautions should be taken in managing such a patient?

f) Describe the clinical features and management of anorexia nervosa.

2. Short Answer Questions (any five out of six) **(5x5=25)**

a) Describe motivation in detail.

b) Discuss general adaptation syndrome.

c) Enumerate the theories of personality and write in brief on any one of the theories.

d) Define psychology. Elaborate on the sub fields of psychology.

e) Desoribe psychotherapy and write about group therapy in brief.

f) Discuss the psychology of old age.

SECOND BPTH (2012)
KINESIOTHERAPY
Time : 3 Hrs
Max. Marks : 80.00
Version
Question Booklet Sr. No. :

5121

Section A SAQ (50 Marks)

Que1.Short Answer Questions (Solve any 5 out of 6) (5x3=15

a

Describe stress relaxation.

b.

Enumerate any three causes of hypomobility.

c

Write indication for glossopharyngeal breathing .Describe the technique of glossopharyngeal breathing.

d.

Describe Hold Relax Technique

e.

Enumerate types of traction.

f

Define 1RM and 10 RM.

Que2.Short Answer Questions (Solve any 5 out of 6) (5x7=]

a

Describe various techniques of rolling from supine to sidelying

b

Describe principles of Manual muscle testing.

c

Define hydrotherapy. Describe the physical properties of water.

d.

Describe in detail precrutch training.

e

Describe in detail principles of Frenkel's exercises.

f

Explain any two types of stretching in detail.

Section B LAQ (30 Marks)

Que3.Long Answer Questions(Solve any 1 Out of 2) :- (1x1:

a

Define Gait cycle and describe spatial variables of gait cycle..

b

Define ideal posture. Describe the optimal alignment of posture in the sagittal plane.Write physiological deviations of posture . (2+9+4)= 15 marks)

Qac{Long Answer Questionx (Solve any 1 out of 2) **(1x15=15.00)**

a

Discuss principles of strengthening. Discuss strengthening program of hip abductors from grade 0 to grade 5. (7+8=15 marks)

b

Write goals of Breathing exercises. Describe in detail about inspiratory Breathing exercises with its effects and uses.

SECOND BPTH (2012)
KINESIOLOGY
Time : 3 Hrs
Max Marks 80.00
Version :
Question Booklet Sr No.

51216

Section A(50 Marks)

Que1.Short Answer Questions (any five out of six) **(5x3=15.00)**

a

Write 3 functions of Intervertebral disc

b

Classification of joint

c

Define Osteokinematics and Arthokinematics with example.

d

Define Gait Cycle and its Phases.

e

Enumerate Rotator cuff muscles along with nerve supply.

f

Define Gait Cycle and its Phases. - change to Q-angle.

Que2.Short Answer Questions (any five out of six) **(5x7=35.00)**

a

Describe kinetics and kinematics of temporo-mandibular joint.

Explain active and passive insufficiency of muscles with suitable examples.

c

Discuss anatomy and movements of sacroiliac joint

d

Discuss Lumbopelvic Rhytm.

e

Discuss the prehensile functions of the hand.

f

Explain the structure and mechaniam of a contractile unit of a muscle.

Section B (30 Marks)

Que3.Long Answer Questions(Solve any 1 Out of 2) :- **(1x15=15.00)**

A

Discuss anatomy ,kinematics of patellofemoral joint. Add a note on screw home mechanism. (3+7+5=15 mks)

b

Write kinematics of hip joint .What is coxa vara and valga and its effect on abductor muscle force. Explain trendelenburg sign with reasoning. (5+6+4=15 mks)

Qu4.Long Answer Questions (any one out of two) **(1x15=15.00)**

a

Define Gait. Discuss the determinants of gait and galt variables in detail. - change to write complete in detail.

b

Describe the anatomy ,kinetics and kinematics of ankle joint. Add a note on the arches of foot. (4+7+4=15 mks)

SECOND BPTH (2012)
ELECTROTHERAPY
Time : 3 Hrs
Max. Marks : 80.00
Version :
Question Booklet Sr. No. :

51213

Section A SAQ (50 Marks)

Que1.Short Answer Questions (Solve any 5 out of 6) **(5x3=15.00)**

a.

Define Chronaxie and Rheobase.

b.

Write uses of Biofeedback.

c.

Define Galvanic and Interrupted Galvanic current.

d.

Enlist precautions for LASER therapy.

e.

Enlist contraindications for Infrared Radiation.

f.

Describe characteristics of sub erythemal dose of Ultra Violet radiations

Que2.Short Answer Questions (Solve any 5 out of 6) **(5x7=35.00)**

a.

Describe types of Transcutaneous Electrical Nerve Stimulation.

b.

Describe therapeutic effects of Faradic current.

Describe Pain gate theory.

d.

Describe methods of applications of Ultra Sound.

e.

Describe physiological effects of Infrared Radiation.

f.

Describe characteristics of Strength Duration curve of an innervated muscle.

Section B LAQ (30 Marks)

Que3.Long Answer Questions(Solve any 1 Out of 2) :- **(1x15=15.00)**

a.

With respect to Short Wave Diathermy-

1.Describe methods of application.

2.Types of electrodes used.

3.Describe therapeutic effects. (7+3+5)

b

Principle for production of IFT. Write methods of application for use of IFT. Describe indications and contra indications.(3+5+7=**15M)**

Qu4Long Answer Questions (Solve any 1 out of 2) **(1x15=15.00)**

a.

Define Intophoresis. Explain its principles and method of applications. Enlist any 5 Ions that can be applied using Intophoresis. (2+3+10)

b.

With respect to Ultra Violet Radiation :

1.Write its types,

2.Describe physiological effects,

3.Method of calculation of test dose. (3+6+6)