



51215

Second B.P.Th. (2012) Examination, Summer 2015  
PSYCHIATRY (INCLUDING PSYCHOLOGY)

Total Duration: 2 Hours

Total Marks : 40

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) Do not write anything on the **blank portion of the question paper**. If written anything, 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. The Question Paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) **Use** a common answer book for **all** Section.

1. Short answer question (**any five** out of six) : (5×3=15)
  - a) What are defence mechanisms? Describe any two giving example.
  - b) Describe types of Schizophrenia.
  - c) Describe delusions with example.
  - d) What is OCD ? Give drug treatment for OCD.
  - e) Define Id, Ego and Superego.
  - f) Use of psychology in the field of physiotherapy.
  
2. Short answer question (**any five** out of six) : (5×5=25)
  - a) Hallucinations in mental illness.
  - b) Clinical features of depression.
  - c) Panic Disorder.
  - d) Alzheimers Dementia.
  - e) Attention deficit hyperactive disorder.
  - f) Electro-convulsive Therapy.



51213

Second B.P.Th. (2012) Examination, Summer 2015  
ELECTROTHERAPY

Total Duration : Section A + B = 3 Hours

Total Marks : 80

## SECTION – A &amp; SECTION – B

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) Do not write anything on the **blank portion of the question paper**. If written anything 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. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) **Use** a common answer book for **all Sections**.

## SECTION – A

## SAQ

(50 Marks)

1. Short answer question (any five out of six) :

(5×3=15)

- a) Three differences between faradic and galvanic currents.
- b) Standing waves in ultrasound.
- c) Faradic foot bath.
- d) Types of T.E.N.S.
- e) Note on Microcurrents.
- f) Motor point.

2. Short answer question (any five out of six) :

(5×7=35)

- a) Differentiate between luminous and non-luminous I.R.R.
- b) Physiological effects of interrupted direct current.
- c) LASER in wound healing.
- d) Physiological effects of I.R.R.
- e) Classify standard doses of U.V.R. based on erythema reaction and list the skin types.
- f) Discuss types of LASER.

P.T.O.



51212

Second B.P.Th. (2012) Examination, Summer 2015  
**PATHOLOGY AND MICROBIOLOGY**

Total Duration : Section A+B = 3 Hours

Total Marks : 80

SECTION – A & SECTION – B

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) Do not write anything on the **blank portion of the question paper**. If written anything, 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. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) **Use a common answer book for all Sections.**

SECTION – A

(50 Marks)

(Pathology)

1. Short answer question (**any five** out of six) : (5x7=35)
  - a) Chronic Peptic Ulcer.
  - b) Describe briefly Ghons Complex. Mention the complications.
  - c) Vitamin A deficiency.
  - d) Describe briefly Modes of Spread of Tumor.
  - e) Virchows triad of Thrombogenesis.
  - f) Lepromatous leprosy.
2. Long answer question (**any one** out of two) : (1x15=15)
  - a) Classify Anaemia. Enumerate investigations to diagnose Iron deficiency anaemia.
  - b) Enumerate different types of Pneumonia. Describe etiopathogenesis, gross and microscopic features of lobar pneumonia in detail.

P.T.O.





51211

Second B.P.T.H. (2012) Examination, Summer 2015  
PHARMACOLOGY

Total Duration : 2 Hours

Total Marks: 40

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) Do not write anything on the **blank portion of the question paper**. If written anything, 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. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) **Use a common answer book for all Sections.**

1. Short answer question (**any five** out of six) : (5×3=15)
  - a) What are the advantages and disadvantages of the oral route of drug administration ?
  - b) Enlist the therapeutic uses and adverse effects of beta blockers.
  - c) What is the pharmacological basis for using angiotensin converting enzyme inhibitors in the treatment of hypertension ?
  - d) Write a short note on drugs used for the treatment of osteoporosis.
  - e) What are the therapeutic uses and adverse effects of insulin ?
  - f) Define the term "analgesics". Give four differences between opioid and non-opioid analgesics.
  
2. Short answer question (**any five** out of six) : (5×5=25)
  - a) Enlist first line anti-tubercular drugs. Write mechanism of action and adverse effects of isoniazid and rifampicin.
  - b) Give the rationale of combining levodopa and carbidopa for the treatment of Parkinson's disease.

~~1986~~

**II B.P.Th. (New) Examination, October 2003**  
**PATHOLOGY AND MICROBIOLOGY**

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks : 50

**SECTION B & SECTION C**

- Instructions :*
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

**SECTION - B**  
**(Pathology)**

- ~~1986~~
2. Answer any five out of six : (3×5=15)
- a) Myasthenia Gravis.
  - b) Enumerate types of hypersensitivity reactions giving suitable examples of each.
  - c) Define necrosis. Enumerate 4 types of necrosis.
  - d) Define inflammation. Enumerate cellular events in acute inflammation.
  - e) What is lobar pneumonia ? Enumerate complications of lobar pneumonia.
  - f) Enumerate fat soluble vitamins and write about signs of Vitamin C.
3. Answer any three out of four : (3×5=15)
- a) Discuss osteoarthritis.
  - b) Discuss factors affecting wound healing.
  - c) Spread of tumour.
  - d) Healing of a fracture.

**SECTION - C**  
**(Microbiology)**

~~1986~~  
Attempt any four :

4. 1) a. What is meant by Gonorrhoea ? 1
- b. What is the name of the bacterium causing it ? Describe its morphology. 1
- c. How is it spread ? 1
- d. Mention the steps in the laboratory diagnosis. 2
- 2) a. Describe the morphology of the organism causing tuberculosis. 2
- b. How is it spread ? 1
- c. What medium is used to culture the same ? 1
- d. Mention 2 antibacterial drugs used in the treatment. 1
- 3) a. Mention 3 important parasites causing human infection. 1
- b. Describe in brief the life cycle of any one. 4
- 4) a. What is meant by nosocomial infections. 1
- b. Mention 2 important bacterias causing the same. 1
- c. What is the source of the nosocomial infection ? 3
- 5) a. Draw a diagram of the hot air oven and mark the parts. 4
- b. What is the temperature at which it works ? 1

Second B.P.Th. (New Course) Examination, June/July 2004  
PATHOLOGY AND MICROBIOLOGY

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 50

SECTION - B & SECTION - C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The number to the right indicate full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

SECTION - B

2. Attempt **any five** out of six : (5×3 = 15)
- a) Brief comment on primary complex.
  - b) What are extra cardiac lesions produced in rheumatic fever ?
  - c) Define edema. Give its etiological classification.
  - d) Differentiate between Duodenal and Gastric ulcer.
  - e) Enumerate fat soluble vitamins. Write about skeletal changes produced in Vitamin D deficiency.
  - f) Classify portal hypertension. Enumerate systemic effects of portal hypertension.
3. Attempt **any three** out of four : (3×5 = 15)
- a) Discuss healing of fracture bone.
  - b) What are predisposing factors for lobar pneumonia ? Enumerate the stages of lobar pneumonia and complications.
  - c) Define Meningitis. Enumerate the organisms causing pyogenic meningitis. Mention the tests carried out in investigation of pyogenic meningitis.
  - d) Define Metasis. Discuss routes of Metastasis.

SECTION - C

4. Answer **any four** out of five : (4×5 = 20)
- a) Type I hypersensitivity.
  - b) Laboratory diagnosis of pulmonary tuberculosis.
  - c) Candida albicans.
  - d) Australia antigen.
  - e) Nosocomial infections.
- 11



Second B.P.Th. Examination, Oct./Nov. 2004  
(New Course)  
PATHOLOGY AND MICROBIOLOGY

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 50

SECTION - B & SECTION - C

Instructions:

- 1) All questions are compulsory.
- 2) The number to the right indicates full marks.
- 3) Draw diagrams wherever necessary.
- 4) Answer each section in the respective answer sheet only.
- 5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

1981

SECTION - B  
(Pathology)

2. Write any five out of six :

(5×3 = 15)

- a) Define necrosis. Enumerate four different types.
- b) Define granuloma and enumerate four causes.
- c) Define anaplasia and enumerate various features of it.
- d) Enumerate six common causes of Iron deficiency anaemia.
- e) Enumerate the complications of myocardial infarctions.
- f) Enumerate the morphologic types of inflammation and write morphology of fibrinous pericarditis.

3. Write any three out of four :

(3×5 = 15)

- a) Define regeneration and write healing of a skin wound by first intention.
- b) Describe Morphology and complications of lobar pneumonia.
- c) Write pathogenesis and morphology of Rheumatoid arthritis.
- d) Define Anaemia and write P.B.S. and bone marrow picture of iron deficiency anaemia.

1982

SECTION - C  
(Microbiology)

4. Answer any four out of five :

(4×5 = 20)

- a) i) Mention the predominant bacterial agent causing gas-gangrene. 1
- ii) Describe the morphology of this bacteria. 2
- iii) Write about the various specimens that you will collect for the laboratory diagnosis of gas-gangrene. 2

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P.T.O.

Second B.P.Th. (New Course) Examination, July/August 2005  
PATHOLOGY AND MICROBIOLOGY

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 50

SECTION – B & SECTION – C

- Instructions:** 1) All questions are compulsory.  
2) The number to the right indicates full marks.  
3) Draw diagrams wherever necessary.  
4) Answer each Section in the respective answer sheet only.  
5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

SECTION – B

(Pathology)

2. Answer any **five** out of six : (5×3=15)
- Neurogenic bladder.
  - Enumerate complications of infective endocarditis.
  - Enumerate local factors affecting wound healing.
  - Define neoplasia.
  - Enumerate complications of osteomyelitis.
  - Define thrombosis. What are the fate of thrombus ?
3. Answer any **three** out of four : (3×5=15)
- Discuss differences between benign and malignant neoplasms.
  - Etiopathogenesis of Meningitis.
  - Discuss rheumatoid arthritis.
  - Enumerate 3 common malignant skin tumours. Enumerate 2 precancerous lesions for skin cancers. Enumerate risk factors for skin cancers.

SECTION – C

(Microbiology)

4. Attempt any **four** out of five : (4×5=20)
- Describe physical methods of sterilization.
  - Enumerate the causative agents of sexually transmitted diseases. Describe serodiagnosis of syphilis.
  - Write in brief about waste generated in the hospital and its management.
  - Write in brief about agglutination reaction.
  - Enumerate medically important fungi. Discuss the systemic mycosis in light of current AIDS infection.



Second B.P.Th. (New Course) Examination, December 2005  
PATHOLOGY AND MICROBIOLOGY

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 50

SECTION – B & SECTION – C

- Instructions:** 1) All questions are compulsory.  
2) The number to the right indicates full marks.  
3) Draw diagrams wherever necessary.  
4) Answer each Section in the respective answer sheet only.  
5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION – B

(Pathology)

2. Attempt **any five** out of six: (5×3=15)
- Acute inflammation.
  - Necrosis.
  - Leukemia.
  - Gout.
  - Dry gangrene.
  - AIDS.
3. Attempt **any three** out of four: (3×5=15)
- Describe in brief about Dengue fever and different laboratory tests.
  - Classification of parasites seen in blood.
  - Enumerate the etiology complications of infective endocarditis.
  - Differentiate between lobar pneumonia and bronchopneumonia.

**Second B.P.Th. (New Course) Examination, June/July 2006  
PATHOLOGY AND MICROBIOLOGY**

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 50

**SECTION - B & SECTION - C**

- Instructions :*
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer book will not be assessed in any case.
  - 6) Do not write anything on the blank portion of question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

**SECTION - B  
(Pathology)**

2. Attempt **any five** out of six : (5×3=15)
  - a) Thrombus
  - b) Inflammatory exudate
  - c) Lencocytosis
  - d) Healing by secondary intention
  - e) Caseation necrosis
  - f) Osteomyelitis
  
3. Attempt **any three** out of four : (3×5=15)
  - a) Enumerate the various laboratory investigations in a case of iron deficiency anaemia.
  - b) Describe the clinical presentation, pathologic features and complications of rheumatoid arthritis.
  - c) Describe the pathology and complications of pyogenic meningitis.
  - d) State the differences between benign and malignant tumors.

Second B.P.Th. (New Course) Examination, Nov./Dec. 2006  
PATHOLOGY AND MICROBIOLOGY

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 50

SECTION – B & SECTION – C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer book will not be assessed in any case.
  - 6) Do not write anything on the blank portion of question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

SECTION – B  
(Pathology)

2. Attempt **any five** out of six: (5×3=15)
- a) Fate of a thrombus.
  - b) Stages of lobar pneumonia.
  - c) Cellular events in acute inflammation.
  - d) Pathologic findings in osteomyelitis.
  - e) Define necrosis. Enumerate four different types.
  - f) Enumerate fat soluble vitamins and write about lesions of Vit. C.
3. Write **any three** out of four: (3×5=15)
- a) Factors affecting wound healing.
  - b) Describe differences between benign and malignant tumours.
  - c) Write pathogenesis and morphology of osteoarthritis.
  - d) Describe pathogenesis and morphology of subacute bacterial endocarditis.





63602

Second B.P.Th. (New) Examination, November/December 2009  
PATHOLOGY & MICROBIOLOGY

Total Duration: Section A + B + C = 3 Hours

Section B &amp; C Marks: 50

## SECTION - B &amp; SECTION - C

- Instructions :**
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

## SECTION - B

## Pathology

2. Answer the following (any five out of six)

(5×3=15)

- a) Pathology of Rickets *2/2*
- b) Lobar pneumonia *3*
- c) Pyogenic osteomyelitis of long bones *3*
- d) Parkinsonism *1/2*
- e) Myositis ossificans
- f) Tuberculous meningitis. *2*

3. Answer the following (any three out of four) :

(3×5=15)

- a) Poliomyelitis.
- b) Granulomatous infection with specific reference to pulmonary tuberculosis. *4*
- c) Atherosclerosis. *2/2*
- d) Factors affecting wound healing and steps in healing of fracture bone. *2*

P.T.O.



63912

**Second B.P.Th. (Revised) Examination, May/June 2010**  
**PATHOLOGY AND MICROBIOLOGY**

Total Duration: Section A + B + C = 3 Hours Section B & C Marks: 50

**SECTION - B & SECTION - C**

- Instructions:**
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

**SECTION - B**

**Pathology**

**(Marks : 30)**

2. Answer the following (any five out of six) : **(5×3=15)**

- A) Define gangrene. Write differences between dry and wet gangrene.
- B) What is subdural hematoma ? Describe in brief its pathology.
- C) Describe differences between benign and malignant tumors.
- D) Define granulomatous inflammation. Give various causes of granuloma formation.
- E) Write short note on Myositis ossificans.
- F) Describe effects of left and right sided heart failure.

3. Answer the following (three out of four) : **(3×5=15)**

- A) Define Osteomyelitis, give types. Describe pathogenesis of acute osteomyelitis.
- B) What is stroke ? Describe pathology of cerebral infarction.
- C) What is cirrhosis ? Give etiological classification of cirrhosis and describe consequences of portal hypertension.
- D) What are COPDs ? Describe types and etiopathogenesis of emphysema.

**P.T.O.**

1993

126

A 217

II Year B.P.Th. (New) Examination, October 2003  
ELECTRICAL AGENTS

Total Duration : Section A+B+C = 3 Hours

Section B & C Marks : 60

SECTION - B & SECTION - C

- Instructions :*
- 1) All questions are compulsory.
  - 2) The numbers to the right indicate full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

SECTION - B

2. Answer any 5 out of 6 : (5×3 = 15)
- a) Monode electrode of SWD.
  - b) Therapeutic uses of Laser.
  - c) Facilitation of muscle contraction with Faradism.
  - d) Ions used in iontophoresis
  - e) Photosensitisation of UVR.
  - f) Water bag technique of ultra sound.
3. Answer any 3 out of 4 : (3×5 = 15)
- a) Dangers of Infra red radiations.
  - b) Uses of ultra sound.
  - c) Compare luminous and nonluminous infra red.
  - d) Uses of cryotherapy.

SECTION - C

4. Discuss physiological effects and indications of UVR. (7+8)
5. Explain S-D curve in detail. 15

OR

Explain electrodeplacement of tens and add a note of indications and contraindications.

(7+4+4 = 15)

20



1990

19

R 167

Second B.P.Th. (New Course) Examination, June/July 2004  
ELECTRICAL AGENTS

Total Duration : Section A + B+ C = 3 Hours

Section B & C Marks : 60

SECTION – B & SECTION C

- Instructions :** 1) All questions are compulsory.  
2) The number to the right indicates full marks.  
3) Draw diagrams wherever necessary.  
4) Answer each Section in the respective answer sheet only.  
5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION – B

2. Attempt **any five** out of six : (5×3 = 15)
- a) Contraindications to ultrasound.
  - b) Possible therapeutic mechanism for pulsed SWD.
  - c) Types of TENs.
  - d) Paraffin wax bath techniques.
  - e) Types of IRR generators.
  - f) Dangers of using direct current in iontophoresis.
3. Attempt **any three** out of four : (3×5 = 15)
- a) Classify standard doses of UVR, based on erythma reaction and list the skin types.
  - b) UVR sensitizers and Leed's Regimen.
  - c) Physiological effects of infrared radiations.
  - d) Application of IRR (principles).

SECTION – C

4. a) Define microwave diathermy and give its parameters. 3  
b) Potential dangers and contraindications. 5  
c) Physiological and therapeutic effects. 7
5. a) What are low frequency currents ? 3  
Safety precautions with electrical apparatus. 5  
Physiological and therapeutic effects of short duration currents. 7
- OR
- b) What is interferential therapy ? 3  
Advantages of interferential therapy over low frequency currents. 5  
Principle of interferential therapy and therapeutic uses according to different modes and beat frequencies. 7

21

1989

1989  
1992  
1992  
18

Please mention this subject code  
on your Section 'B' & 'C' Answer Sheets  
Subject Code : B 168

Second B.P.Th. (New Course) Examination, Oct./Nov. 2004  
ELECTRICAL AGENTS

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION – B & SECTION – C

- Instructions:**
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

SECTION – B

2. Attempt any **five** out of six: (5×3 = 15)
  - a) 3 differences between galvanic and faradic currents
  - b) Effects of faradism under pressure
  - c) 3 indications for Laser therapy
  - d) 3 ions used in ionisation with their effects
  - e) 3 contraindications of S.W.D.
  - f) 3 physiological effects of ultrasound
3. Attempt any **three** out of four: (3×5 = 15)
  - a) Therapeutic effects of Infra red rays
  - b) Therapeutic effects of ultra violet rays
  - c) Properties of LASER
  - d) Test dose in U.V.R.

SECTION – C

4. Describe the Contra planar technique of application of S.W.D. in pelvic infection and write the physiological and therapeutics effects of S.W.D. (5+5+5 = 15)
5. Describe the interferential therapy and enumerate the uses and precautions. (7+5+3 = 15)

OR

- Describe the application of Iontophoresis. Enumerate the physiological and therapeutic effects of Iontophoresis. (5+5+5=15)

**Second B.P.Th. (New Course) Examination, July/August 2005**  
**ELECTRICAL AGENTS**

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION – B & SECTION – C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION – B

2. Attempt any **five** out of six: (5×3=15)
  - a) 3 indications of laser.
  - b) Testing of ultrasound machine.
  - c) 3 danger of Infra-Red.
  - d) Motor point (Definition).
  - e) 3 Contra indications of Cryotherapy.
  - f) Define Galvanic current giving 2 examples of Iontophoresis.
3. Attempt any **three** out of four: (3×5=15)
  - a) Cavitation.
  - b) Conventional TENS.
  - c) Cross fire method.
  - d) Danger of ultrasound.

SECTION – C

4. Define Faradic current. Write about any 3 physiological effects and any 3 indications for use of Faradic current. 15
5. Write about principles of production of IFT with physiological effects and indication of IFT. 15

OR

- Write about test dose of U.V.R. What is Tridymite formation ? Write about any four physiological effects of U.V.R. 15



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**Second B.P. Th. (New) Examination, December 2005**  
**ELECTRICAL AGENTS**

Duration : Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION – B & SECTION – C

- Instructions:** 1) All questions are compulsory.  
2) The number to the right indicates full marks.  
3) Draw diagrams wherever necessary.  
4) Answer each Section in the respective answer sheet only.  
5) Answers written in the inappropriate Sectional answer book will not be assessed in any case.

SECTION – B

2. Attempt **any five** out of six : (5×3=15)
- a) Dangers of SWD
  - b) Motor points
  - c) E<sub>3</sub> dose of UVR
  - d) Contra-indication of UVR
  - e) Russian currents
  - f) Any 3 ions used in iontophoresis with its uses.
3. Attempt **any three** out of four : (3×5=15)
- a) Techniques of placement of electrode in SWD
  - b) Therapeutic uses of IFT
  - c) Wound healing by laser therapy
  - d) Mercury arc tube

SECTION – C

4. a) Discuss the physiological effects. 7½  
b) Therapeutic uses of Ultrasonic therapy. 7½
5. a) What is faradic -type current ? 1  
b) Discuss the physiological effects. 5  
c) Therapeutic uses of it in detail. 9

OR

- a) What is TENS ?
- b) What are different types of TENS ?
- c) Describe the mechanism of action of each type of TENS. [1+5+9=15]

**Second B.P.Th. (New Course) Examination, June/July 2006  
ELECTRICAL AGENTS**

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

**SECTION – B & SECTION – C**

*Instructions: 1) All questions are compulsory.*

*2) The number to the right indicates full marks.*

*3) Draw diagrams wherever necessary.*

*4) Answer each Section in the respective answer sheet only.*

*5) Answers written in the inappropriate sectional answer book will not be assessed in any case.*

*6) Do not write anything on the blank portion of question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*

**SECTION – B**

2. Attempt any five out of six : (5×3=15)
- a) 3 contra indication of ultrasound
  - b) Beat frequency
  - c) Lewis's hunting reaction
  - d) Selective impulses
  - e) Coupling media
  - f) Motor points.
3. Attempt any three out of four : (3×5=15)
- a) 5 physiological effects of ultra violet rays
  - b) 5 dangers of infra-red rays
  - c) 3 indication and 2 contra-indication of laser
  - d) 5 laws governing radiation.

**SECTION – C**

4. With short wave diathermy, how would you give Cross-fire treatment. 10  
Write 5 contra indicates of SWD. 5
5. Define Faradic current. Write Physio-logical and therapeutic of Faradic current. (1+6+8)
- OR**
- Describe 2 types of TENS (transcutaneous electrical nerve stimulation). 4
- Write about Pain relieving mechanism  $\bar{c}$  diagram. 6
- Enumerate 3 ways to pointer the electrodes in TENS 3  
and 2 contra-indicate of TENS. 2

Second B.P.Th. (New Course) Examination, November/December 2006  
ELECTRICAL AGENTS

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION – B & SECTION – C

*Instructions :* 1) *All questions are compulsory.*

2) *The number to the right indicates full marks.*

3) *Draw diagrams wherever necessary.*

4) *Answer each Section in the respective answer sheet only.*

5) *Answers written in the inappropriate sectional answer book will not be assessed in any case.*

6) *Do not write anything on the blank portion of question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*

SECTION – B

2. Attempt **any five** out of six : (5×3=15)
- Russian currents.
  - Effects and uses of UVR in vit. D production.
  - $E_2$  test dose of UVR.
  - Electrotonus.
  - Conventional TENS.
  - Dangers of ultra sound.
3. Attempt **any three** out of four : (3×5=15)
- Non-thermal effects of ultrasound.
  - Physiological effects of IFT.
  - Phonophoresis.
  - Any five ions used in iontophoresis with its uses.

SECTION – C

4. a) Describe various techniques of placement of electrodes in SWD with its uses.  
b) Write effects of spacing in SWD.  
c) Write various contraindications of SWD. (6+6+3=15)
5. a) What is faradic type current ?  
b) Discuss the physiological effects of the same.  
c) Describe the therapeutic uses of faradic type current. (1+5+9=15)

OR

Discuss the wound healing by using following electrotherapy modalities.

- a) UVR                      b) Laser                      c) US (5+5+5=15)



51216

Second B.P.Th. (2012) Examination, Summer 2015  
KINESIOLOGY

Total Duration : Section A + B = 3 Hours

Total Marks : 80

SECTION – A & SECTION – B

- Instructions :**
- 1) Use **blue/black** ball point pen only.
  - 2) Do not write anything on the **blank portion of the question, paper**. If written anything, 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. The Question paper pattern is a mere guideline. Questions can be asked from any paper's syllabus into any question paper. Students cannot claim that the Question is out of syllabus. As it is only for the placement sake, the distribution has been done.
  - 7) **Use a common answer book for all Section.**

SECTION – A SAQ (50 Marks)

1. Short answer question (**any five** out of six) :
  - a) What is Torque ?
  - b) Explain stress and strain with examples.
  - c) Define Arthro-kinematics with examples.
  - d) Name the muscles of mandibular elevation and depression.
  - e) Explain the Carrying angle of Elbow.
  - f) Describe the 'Q' angle and state its use.

(5×3=15)

P.T.O.

1009

6

A 219

II B.P.Th. (New Course) Examination, October 2003  
PSYCHOLOGY

Total Duration : Section A+B+C = 2 Hours

Section B and C Marks: 30

SECTION - B & SECTION - C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The number to the right indicate full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

SECTION - B

2. Answer any 5 out of 6: (each 3 marks) (5×3 = 15)
- A) Explain different types of conflicts with suitable examples.
  - B)  List out different characteristics of schizophrenia.
  - C) Which are the different sources of frustration ?
  - D)  Why we forget in day to day life ?
  - E) Describe use of defence mechanisms.
  - F) Explain STM in short.

SECTION - C

3. Answer any 3 out of 4: (each 5 marks) (3×5 = 15)
- a)  Explain adjustment problem in early and late childhood.
  - b) Explain classical conditioning with the help of Povlov's experiment.
  - c) How emotions are affected on human body ? Explain with emotional theories.
  - d)  Describe types of Anxiety with its characteristics.

24

Second B.P.Th. Examination, June/July 2004  
(New Course)  
PSYCHOLOGY

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 30

SECTION - B & SECTION - C

- Instructions:* 1) All questions are compulsory.  
2) The number to the right indicates full marks.  
3) Draw diagrams wherever necessary.  
4) Answer each Section in the respective answer sheet only.  
5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

SECTION - B

2. Attempt any **five** out of six :

15

- Empty nest syndrome.
- State "Cannon-Bard's" theory of emotion.
- What are the sources of frustration ?
- Discuss briefly the common play patterns of Babyhood.
- State the monocular and binocular cues of visual depth perception.
- State the various schedules of reinforcement.

SECTION - C

3. Attempt any **three** out of four :

15

- Discuss briefly, giving examples, the various types of conflicts.
- Discuss the common causes of family friction during adolescents.
- Write a note on long term memory.
- What is cognitive learning ?



Please mention this subject code  
on your Section 'B' & 'C' Answer Sheets  
Subject Code : B 170

**Second B.P.Th. (New Course) Examination, Oct./Nov. 2004**  
**PSYCHOLOGY**

Total Duration: Section A+B+C = 2 Hours

Section B & C Marks : 30

SECTION – B & SECTION – C

- Instructions:* 1) All questions are compulsory .  
2) The number to the right indicates full marks.  
3) Draw diagrams wherever necessary.  
4) Answer each section in the respective answer sheet only.  
5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION – B

2. Attempt any five out of six : 5 × 3 = 15
- a) State Gestalt principle of Perceptual Organization.
  - b) Explain types of learning.
  - c) Describe any three schools of Psychology.
  - d) What is development ? Mention the stages of Piagetian development.
  - e) Explain any three defense mechanisms.
  - f) Define abnormality. Elucidate on any two models of abnormality.

SECTION – C

3 × 5 = 15

3. Attempt any three out of four:
- a) Explain the theories of forgetting.
  - b) What is emotion ? What are the functions of emotions ? Mention the theories of emotion.
  - c) What do you understand by the term conflict ? Explain its types.
  - d) In brief explain the types of schizophrenia.

Second B.P.Th. (New Course) Examination, July/August 2005  
PSYCHOLOGY

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION – B & SECTION – C

- Instructions:**
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION – B

2. Attempt any **five** out of six :

(5×3=15)

- a) Describe the organizational principles in perception.
- b) Write types of memory.
- c) Write about any three defense mechanisms.
- d) What is a conflict? Write about any two types of conflict.
- e) Write about psychophysiological changes during adolescence.
- f) Write a note on stress and our body.

SECTION – C

3. Attempt any **three** out of four :

(3×5=15)

- a) What is psychology? Write about the nature of psychology and any two subfields of psychology.
- b) Describe classical conditioning and throw light on its use in human life.
- c) What are emotions? Name the basic emotions and write the theories of emotions.
- d) What is the difference between normal and abnormal psychology? Write in detail about schizophrenia.

Second B.P.Th. (New Course) Examination, December 2005  
PSYCHOLOGY

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION – B & SECTION – C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The number to the **right** indicates full marks.
  - 3) Draw diagrams **wherever necessary**.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION – B

2. Attempt **any 5** out of 6 : (5×3=15)
- a)  Discuss the role of interference in forgetting.
  - b) Gestalt principle of perceptual organization.
  - c)  Methods used to study behaviour.
  - d) Discuss briefly the postnatal adjustment of newborns.
  - e) What is Latent learning ?
  - f) General Adaptation Syndrome.

SECTION – C

3. Attempt **any 3** out of 4 : (3×5=15)
- a)  Levels of Mental Retardation.
  - b)  Theories of Emotions.
  - c)  Theories of Memory.
  - d)  Discuss the common unfavourable attitudes towards an unborn child.



Second B.P.Th. Examination, July/August 2005  
PSYCHIATRY (New Course)

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION - B & SECTION - C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The number to the right indicate full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

SECTION - B

2. Answer **any five** out of six questions : 15
- a) Delusion
  - b) Insomnia
  - c) Lithium
  - d) Group Therapy
  - e) Alcohol withdrawal
  - f) Borderline personality disorder

SECTION - C

3. Answer **any three** out of four questions : 15
- a) Obsessive Compulsive Disorder
  - b) Paranoid Schizophrenia
  - c) Anorexia Nervosa
  - d) Major Depressive Disorder.
-

Second B.P.Th. (New Course) Examination, December 2005  
PSYCHIATRY

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION – B & SECTION – C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION – B

2. Attempt any **five** out of six: (5×3=15)
- a) Management of panic disorder.
  - b) Clinical features of adjustment disorder.
  - c) Aetiology of attention deficit hyperactivity disorder.
  - d) Postpartum psychosis.
  - e) Delirium : Causes and management.
  - f) Premature ejaculation.

SECTION – C

3. Attempt any **three** out of four : (3×5=15)
- a) Mood stabilisers.
  - b) Dissociative disorders.
  - c) Treatment and management of addictive disorders : general principles.
  - d) Aetiology of Anorexia Nervosa.
-

Second B.P.Th. (New Course) Examination, June/July 2006  
PSYCHIATRY

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION – B & SECTION – C

*Instructions: 1) All questions are compulsory.*

*2) The number to the right indicates full marks.*

*3) Draw diagrams wherever necessary.*

*4) Answer each Section in the respective answer sheet only.*

*5) Answers written in the inappropriate sectional answer book will not be assessed in any case.*

*6) Do not write anything on the blank portion of question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*

SECTION – B

2. Attempt **any five** out of six:

5×3=15

- a) SSRI.
- b) Management of opioid withdrawal.
- c) Gifted child.
- d) Personality Disorder.
- e) Risk factors for Suicide.
- f) Psychoanalysis.

SECTION – C

3. Attempt **any three** out of four:

3×5=15

- a) Discuss signs, symptoms and management of Panic Disorder.
- b) Discuss signs, symptoms and management of Alcohol Dependence.
- c) Differential Diagnosis of Violent behaviour.
- d) Management and Rehabilitation of Mental Retarded child.



Second B.P.Th. (New Course) Examination, November/December 2006  
PSYCHIATRY

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION – B & SECTION – C

*Instructions: 1) All questions are compulsory.*

*2) The number to the right indicates full marks.*

*3) Draw diagrams wherever necessary.*

*4) Answer each Section in the respective answer sheet only.*

*5) Answers written in the inappropriate sectional answer book will not be assessed in any case.*

*6) Do not write anything on the blank portion of question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*

SECTION – B

2. Attempt **five** out of six (3 marks each) : (5×3=15)
- a) Classification of Antidepressants (one example in each class).
  - b) Clozapine.
  - c) Management of dementia.
  - d) Define Loosening of Association, Circumstantiality and Neologism.
  - e) Signs and symptoms of Mania.
  - f) Types of Schizophrenia.

SECTION – C

3. Attempt **any three** out of four (5 marks each) : (3×5=15)
- a) Eating disorders.
  - b) Elimination disorders.
  - c) Separation anxiety disorder.
  - d) Delirium.
-



63606

Second B.P.Th. (New) Examination, November/December 2009  
PSYCHIATRY

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION - B & SECTION - C

- Instructions:**
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

SECTION - B  
(SAQ)

15 Marks

(5x3=15)

2. Answer the following (any 5 out of 6):

- a) Hallucinations. *1k*
- b) Psychotherapy.
- c) Delirium Tremens. *2*
- d) Clinical features of schizophrenia. *2*
- e) Nocturnal Enuresis. *2k*
- f) Types of personality disorder. *3*

SECTION - C  
(LAQ)

15 Marks

(3x5=15)

3. Answer the following (any 3 out of 4):

- a) Mania. *1k*
- b) Phobic disorder. *2*
- c) Causes of mental illness. *3*
- d) Attention deficit hyperactivity disorder. *4*

*7 → 21 R*  
*4 → 9 + 5 mark*  
*3 → 11 - 3 mark*  


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*27*

1995

13

A 218

## II B.P.Th. (New Course) Examination, October 2003 KINESIO MOVEMENT THERAPEUTICS AND THERAPEUTIC EXERCISE

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

### SECTION - B & SECTION - C

- Instructions:**
- 1) All questions are compulsory.
  - 2) The numbers to the right indicate full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

### SECTION - B

(Max. Marks = 30)

2. Answer any **five** out of **six** (3 marks each): (5×3 = 15)
  - a) Cough mechanism
  - b) Causes of In-coordination
  - c) Thomas test
  - d) Manual muscle testing for Brachioradialis
  - e) Hysteresis
  - f) Isokinetic exercise.
  
3. Answer any **three** out of **four** (5 marks each): (3×5 = 15)
  - a) Static stability of Elbow Joint
  - b) Trendelenburg sign
  - c) Pursed lip breathing
  - d) Preparation for crutch walking.

### SECTION - B

(Max. Marks = 30)

4. What is postural drainage ? Mention the goals of postural drainage. Describe various manual techniques used during postural drainage therapy. State the relative contra indications to these manual techniques. (2+2+8+3 = 15)
  
5. Define contracture. Describe the different types of contractures. Describe the Hold-Relax technique of active inhibition stretching. State the precautions for the same. (2+5+5+3 = 15)

OR

What do you mean by Gait cycle ? Describe the Sagittal Plane Analysis of stance phase of gait cycle. (1+14 = 15)

27

1994

W

R 168

Second B.P.Th. (New Course) Examination, June/July 2004  
KINESIOTHERAPEUTICS

Total Duration : Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION - B & SECTION - C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The number to the **right** indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each section in the respective answer sheet only.
  - 5) Answers written in the inappropriate Sectional answer book will not be assessed in any case.

SECTION - B

2. Write any **five** out of six: (5×3 = 15)
- a) Stress
  - b) Tendoachillis stretching
  - c) Measurement of axiallary crutches
  - d) Lumbopelvic rhythm
  - e) Gait determinants
  - f) Knee joint stability factors.
3. Attempt any **three** out of four: (3×5 = 15)
- |                       |   |
|-----------------------|---|
| a) Contractures       | c) Fenkle's exercises   |
| b) Resisted exercises | <input checked="" type="checkbox"/> d) Proprioceptive Neuromuscular facilitation (P.N.F.) - Principles. |

SECTION - C

LAQ

4. Write in detail about biomechanics of lumbar spine. (1×15 = 15)
5. Write in detail about manual muscle (3+5+7 = 15)
- a) Testing of Quadriceps
  - b) Progressive resisted exercises and
  - c) Strengthening of quadriceps.

OR

- Write in detail about : (3+5+7 = 15)
- a) Indications, contraindications
  - b) Manual therapy used during postural drainage with preparation and (28)
  - c) Different positions for postural drainage.



1993  
1994  
SK

Please mention this subject code  
on your Section 'B' & 'C' Answer Sheets  
Subject Code : B 169

Second B.P.Th. Examination, Oct./Nov. 2004  
KINESIOTHERAPEUTICS  
(New Course)

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION - B & SECTION - C

- Instructions:* 1) All questions are compulsory.  
2) The number to the right indicates full marks.  
3) Draw diagrams wherever necessary.  
4) Answer each section in the respective answer sheet only.  
5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION - B

2. Attempt any five out of six : (5x3 = 15)
- a) Active insufficiency of muscles
  - b) Principles of home program
  - c) Importance of functional re-education
  - d) Kinetics and kinematics of heel strike
  - e) Tendon action as trick movement
  - f) Delorme's technique for strengthening.
3. Attempt any three out of four : (3x5 = 15)
- a) Proprioceptive neuromuscular facilitation techniques – Basic techniques
  - b) Goals of breathing exercises
  - c) Principles of manual muscle testing
  - d) Frankle's co-ordination exercises.

SECTION - C

4. Describe kinetics and kinematics of knee joint (diagram). (6+6+3 = 15)
5. a) Describe the determinants of gait. 3  
b) Describe the stance phase of gait cycle. 5  
c) Describe the kinematics of stance phase of gait cycle. 7

OR

- a) Describe Active Cycle of Breathing. 3
- b) Explain principle and positions of postural drainage of lower lobes of lung. 5
- c) Discuss indications, contra indications and manual techniques used with postural drainage. 7

Second B.P.Th. (New Course) Examination, July/August 2005  
KINESIOTHERAPEUTICS

Total Duration: Section A+B+C = 3 Hours

Section B & C Marks: 60

SECTION – B & SECTION – C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION – B

2. Attempt **any five** out of six: (5×3=15)
- a) Describe axillary crutch with the help of a diagram.
  - b) Give the types of breathing exercises.
  - c) Enumerate any three principles of Proprioceptive neuro muscular facilitation techniques.
  - d) Write about Delayed Onset Muscle soreness.
  - e) Elasticity.
  - f) Define strength, power and endurance.
3. Attempt **any three** out of four: (3×5=15)
- a) Explain Scapulo-humeral rhythm.
  - b) Give the factors stabilizing the knee joint.
  - c) Describe the arches of foot.
  - d) Write briefly on kinesiological analysis of the activity of getting up from a chair.

SECTION – C

4. Describe the kinetics and kinematics of normal human gait. 15
5. Discuss the assessment of standing, posture with reference to 'ideal' erect posture. 15

OR

Give the causes of restricted motion and give methods of mobilisation of stiff knee.

(9)

**Second B.P.Th. (New Course) Examination, December 2005**  
**KINESIO THERAPEUTICS**

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION – B & SECTION – C

- Instructions:** 1) All questions are compulsory.  
2) The number to the right indicates full marks.  
3) Draw diagrams wherever necessary.  
4) Answer each Section in the respective answer sheet only.  
5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION – B

2. Attempt **any five** out of six : 5×3=15
- Enumerate any three physiological variations of posture.
  - Write any three indications for postural drainage.
  - Define "stride length" and "step length".
  - Enumerate the phases of stance phase of gait cycle.
  - Write any three contra-indications for stretching.
  - Enumerate three afferent stimuli responsible for postural reflex.
3. Attempt **any three** out of four : 3×5=15
- Write briefly about the determinants of gait.
  - Explain active and passive insufficiency of muscles with examples.
  - Discuss in brief the "Concave-Convex" rule for joint mobilization.
  - Describe in brief the facilitatory stimuli used in proprioceptive neuro-muscular facilitation.

SECTION – C

- 1×15=15
4. Discuss the kinematics and kinetics of lumbar spine flexion and extension from erect standing position. 6
- Discuss the physiological and anatomical factors limiting these movements. 6
- Add a note on normal lumbo-pelvic rhythm. 3
5. Discuss the principles of strength training. 7
- Discuss how a muscle can be strengthened from grade 1 to grade 5, using different techniques of strengthening with appropriate examples. 8
- OR
5. Describe the different types of breathing exercises.  
Draw appropriate diagrams where indicated.  
What are the indications and contra-indications to breathing exercises ?  
(4+3+4+4)



**Second B.P.Th. (New Course) Examination, June/July 2006**  
**KINESIO THERAPEUTICS**

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION – B & SECTION – C

- Instructions:** 1) *All questions are compulsory.*  
 2) *The number to the right indicates full marks.*  
 3) *Draw diagrams wherever necessary.*  
 4) *Answer each Section in the respective answer sheet only.*  
 5) *Answers written in the inappropriate sectional answer book will not be assessed in any case.*  
 6) *Do not write anything on the blank portion of question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*

SECTION – B

2. Attempt **any five** out of six : (5×3=15)
- a) Contra indications to postural drainage.
  - b) Describe elbow crutch  $\bar{c}$  a neat diagram.
  - c) Enumerate the PNF principles.
  - d) Enumerate adaptation of the skeletal muscle to resistance exercise.
  - e) Tests for in co-ordination.
  - f) Contra indications to stretching.
3. Attempt **any three** out of four : (3×5=15)
- a) Give any five differences between open and close chain exercises.
  - b) Principles of Frankle's exercises.
  - c) Uses of breathing exercises.
  - d) Describe the gait-determinants.

SECTION – C

4. Describe the biomechanics of elbow joint. (1×15=15)
5. Define posture. Describe assessment of posture. (1×15=15)

OR

- What are the causes of stiffness of a joint ? How would you mobilize a stiff shoulder ? (1×15=15)



Second B.P.Th. (New Course) Examination, November/December 2006  
KINESIO THERAPEUTICS

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION - B & SECTION - C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer book will not be assessed in any case.
  - 6) Do not write anything on the blank portion of question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

SECTION - B

2. Attempt **any five** out of six : (5×3=15)
  - a) Spirometer.
  - b) Thomas test.
  - c) Partial weight bearing crutch walking.
  - d) Pursed lip breathing exercises.
  - e) Auto-assisted exercises to (Rt) knee extensors.
  - f) 6 min. walk test.
  
3. Attempt **any three** out of four : (3×5=15)
  - a) Scoliotic posture.
  - b) Contraindication to postural drainage (Any five).
  - c) Scapulo-humeral Rhythm.
  - d) Co-ordination test for upper and lower limb.

SECTION - C

- (LAQ)
4. Write Bio-mechanics of Knee Joint. (15)
  5. a) Define normal human locomotion. 3
  - b) Write different gait-variables. 5
  - c) Discuss kinematic analysis of normal human locomotion. 7
- OR
5. a) Define Respiration. 3
  - b) Discuss in detail Mechanism of Respiration and 5
  - c) Respiratory Exercises. 7
- 15



63604

Second B.P.Th. (New) Examination, May/June 2009  
KINESIO THERAPEUTICS

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

SECTION - B & SECTION - C

Instructions: 1) All questions are compulsory.

2) The number to the right indicates full marks.

3) Draw diagrams wherever necessary.

4) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

SECTION - B

2. Attempt any five out of six : (5×3=15)
- a) Active cycle of breathing technique.
  - b) Strengthening Exr. for quadriceps with muscle power force.
  - c) Effects of spinal traction.
  - d) Uses of bridging Exr.
  - e) Determinants of gait.
  - f) Non-wt bearing gait with axillary crutches.

3. Attempt any three out of four : (3×5=15)
- a) Stress-strain curve.
  - b) Thoma's test.
  - c) Active inhibition technique.
  - d) Nervous control of co-ordination. Write two co-ordination Exr. for lower extremities in sitting.

SECTION - C

4. Describe kinetic and kinematics of shoulder joint. 15 1.
5. a) Describe breathing control. Define coughing and huffing. Explain manual therapeutic techniques used with postural drainage. (5+4+6) 2  
1/2 1/2 4

OR

5. b) Describe optimal posture. Analyse the optimal alignment of posture in saggital plane. Draw neat labelled diagram to support your description. (5+7+3)

II B.P.Th. Examination, May 2003  
PHARMACOLOGY  
(Old/New Course)

Duration: 2 Hours

Total Marks: 40

SECTION - B  
(SAQs)

15

2. Answer any 5 out of 6 :

5×3=15

- a) Mention mechanism of action and therapeutic uses of calcium channel blockers.
- b) Mention three important uses of Diazepam.
- c) Mention three important adverse effects of Aminoglycosides.
- d) Enumerate important uses of Morphine.
- e) Enumerate the drug used for the treatment of diarrhea.
- f) Write a note on Ciprofloxacin.

SECTION - C

15

3. Write briefly on any 3 out of 4 :

3×5=15

- a) Describe drug therapy for Parkinsonism.
- b) Describe the drugs used for Rheumatoid Arthritis.
- c) Enumerate primary anti-tubercular drugs. Add a note on their adverse effects.
- d) Classify anti-histaminics (H<sub>1</sub> blockers). Enumerate their therapeutic uses.

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II B.P.Th. (Old and New) Examination, October 2003  
PHARMACOLOGY

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION - B & SECTION - C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The numbers to the right indicate full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

SECTION - B

2. Answer any 5 out of 6:

(5×3 = 15)

- a) Explain the term "Teratogenicity". Give two examples.
- b) Mention three drugs with advantages used for pre-anesthetic medication.
- c) Enumerate three important adverse effects of oral contraceptive pills.
- d) Mention primary anti-tubercular drugs. Enumerate adverse effects of them.
- e) Mention any three classes of antihypertensive drug with one example of each.
- f) Mention three uses of Adrenaline.

SECTION - C

3. Write briefly on any 3 out of 4:

(3×5 = 15)

- a) Drug treatment of vomiting.
  - b) Advantages and disadvantages of sublingual route of administration with examples.
  - c) Drug treatment of Myasthenia gravis.
  - d) Adverse effects and contraindications for the use of Aspirin.
- 2



+50

**Second B.P.Th. (Old/New) Examination, June/July 2004**  
**PHARMACOLOGY**

Total Duration : Section A + B + C = 2 Hours

Section B & C Marks : 30

SECTION - B & SECTION - C

- Instructions :**
- 1) All questions are compulsory.
  - 2) The number to the right indicate full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

SECTION - B

2. Answer any 5 out of 6 :

(5×3 = 15)

- a) Mention the drugs for anaphylactic shock mention their doses and routes of administration.
- b) Mention three atropine substitutes describe one use of each.
- c) Enumerate three beta adrenergic blockers and their therapeutic uses.
- d) Why combined drug therapy is given for tuberculosis ? Give reasons.
- e) Mention advantages of simultaneous, use of propranolol and nifedipine in patients with angina.
- f) Define ADR. Explain why does succinyl-choline produces apnoea in some patients.

SECTION - C

3. Write briefly on any 3 out of 4 :

(3×5 = 15)

- a) Describe therapeutic uses of Aspirin. Mention its mechanism of action.
- b) Describe adverse effects of corticosteroids. Mention important precautions to be taken during the use.
- c) Describe mechanism of action of d-tubocurarine. Mention its uses.
- d) Describe the drugs used for peptic ulcer.

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Please mention this subject code  
on your Section 'B' & 'C' Answer Sheets

Subject Code : **B 166**

**Second B.P.Th. (New Course) Examination, Oct./Nov. 2004**  
**PHARMACOLOGY**

Total Duration : Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION – B & SECTION – C

- Instructions:** 1) *All questions are compulsory.*  
2) *The number to the right indicates full marks.*  
3) *Draw diagrams wherever necessary.*  
4) *Answer each Section in the respective answer sheet only.*  
5) *Answers written in the inappropriate Sectional answer book will not assessed in any case.*

SECTION – B

2. Answer **any 5** out of 6: (5×3=15)
- a) Explain psychic dependence and physical dependence. Enumerate 3 drugs causing psychic dependence ONLY.
  - b) Enumerate three important uses and adverse effects of Morphine.
  - c) Describe in general Disease Modifying Anti rheumatic drugs and enumerate them.
  - d) Enumerate drugs useful in Amoebiasis and mention uses of Metronidazole.
  - e) Mention two classes of Drugs useful as prophylactic treatment in Angina pectoris and enumerate adverse effects of any one.
  - f) Mention drugs useful in Parkinsonism. Enumerate adverse effects of Levo-dopa.

SECTION – C

3. Write briefly **any 3** out of 4: (3×5=15)
- a) Enumerate Atropine substitutes with their uses.
  - b) Classify Non-steroid anti inflammatory drugs. Enumerate 2 advantages of selective COX-2 inhibitors.
  - c) Classify drugs useful in Depression. Mention 3 important adverse effect of IMIPRAMINE.
  - d) Enumerate drugs useful in LEPROSY. Mention adverse effect of clofazimine.
- (4)
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**Second B.P.Th. Examination, July/August 2005**  
**PHARMACOLOGY (New Course)**

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

- Instructions:** 1) All questions are compulsory.  
2) The number to the right indicates full marks.  
3) Draw diagrams wherever necessary.  
4) Answer each Section in the respective answer sheet only.  
5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION - B

2. Attempt **any five** out of six:

(5×3=15)

- a) Which receptors are involved in actions of adrenaline? Describe therapeutic uses and adverse effects of adrenaline.
- b) Enumerate diuretics which can cause potassium loss. Describe site of action, therapeutic indications and side effects of a high ceiling diuretic.
- c) Define the term 'expectorant'. Classify these agents describing their mode of action and giving suitable examples.
- d) Describe indications and side effects of glucocorticoids.
- e) Describe various factors operating in gastro-intestinal tract which influence absorption of orally administered drugs.
- f) Enumerate fluoroquinolones. Describe their mode of action, spectrum of activity and adverse effects.

SECTION - C

3. Attempt **any three** out of four:

(3×5 = 15)

- a) Enumerate peripheral sites of release of acetylcholine and mention one agent each, blocking its action at these sites. Describe therapeutic uses of atropine explaining the underlying pharmacological basis for that use.
- b) Enumerate any four antihypertensive agents belonging to different pharmacological groups. Describe mode of antihypertensive action, other therapeutic uses if any and adverse effects of any two of them.
- c) Define the term 'Broad Spectrum Antibiotic'. Enumerate agents belonging to this group. Describe mode of action and adverse effects of any one of them. Write a note on 'superinfection'.
- d) Define the term 'Analgesic'. Describe pharmacological actions, therapeutic indications and precautions for use of morphine.

5



Second B.P.Th. (New Course) Examination, December 2005  
PHARMACOLOGY

Total Duration : Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION - B & SECTION - C

- Instructions:** 1) All questions are compulsory.  
2) The number to the right indicates full marks.  
3) Draw diagrams wherever necessary.  
4) Answer each Section in the respective answer sheet only.  
5) Answers written in the inappropriate Sectional answer book will not be assessed in any case.

SECTION - B

2. Attempt **any five** out of six questions: (5×3=15)
- Mention two therapeutic uses of adrenaline and its route of administration.
  - Mention two uses and two side effects of propranolol.
  - Define and classify hypnotics.
  - Mention two therapeutic uses of Benzyl penicillin and an important precaution to be undertaken before administration of the drug.
  - Enumerate aminoglycoside antibiotics and one therapeutic use and side effect.
  - Define haematinics and one indication of parenteral iron therapy.

SECTION - C

3. Attempt **any three** out of four questions: (3×5=15)
- Define pharmacokinetics. Describe factors modifying drug absorption.
  - Define analgesics. Classify analgesics. Mention therapeutic uses of aspirin.
  - Describe drugs used in enteric fever and mention therapeutic uses of ciprofloxacin.
  - Mention therapeutic uses and side effects of glucocorticosteroids. (6)
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(4)

**Second B.P.Th. (New Course) Examination, June/July 2006**  
**PHARMACOLOGY**

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION – B & SECTION – C

- Instructions:**
- 1) All questions are compulsory.
  - 2) The number to the **right** indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer book will not be assessed in any case.
  - 6) Do not write anything on the blank portion of question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

SECTION – B

2. Attempt any five out of six: (5×3=15)
- a) Give the reason of nifedipine and atenolol used together as prophylactic treatment of angina pectoris.
  - b) Write drug treatment for a patient of organophosphorous poisoning.
  - c) Give reasons of using adrenaline in anaphylactic shock.
  - d) Write why benzodiazepines are preferred over babilurate as a hypnotic agent.
  - e) Write the drug regimes for a patient suffering from pulmonary tuberculosis.
  - f) Define therapeutic index; how it is calculated ? Give its clinical importance.

SECTION – C

3. Attempt any three out of four : (3×5=15)
- a) Classify anti-cholinesterase drugs; write therapeutic uses and adverse effects of neostigmine.
  - b) Classify opioid analgesics; write adverse effects and contraindications of morphine.
  - c) Enumerate various insulin preparations, write about insulin resistance; how insulin resistance is managed ?
  - d) Classify cephalosporines; mention their uses and precautions during their use.

Second B.P.Th. (New Course) Examination, November/December 2006  
PHARMACOLOGY

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION – B & SECTION – C

- Instructions:*
- 1) *All questions are compulsory.*
  - 2) *The number to the right indicates full marks.*
  - 3) *Draw diagrams wherever necessary.*
  - 4) *Answer each Section in the respective answer sheet only.*
  - 5) *Answers written in the inappropriate sectional answer book will not be assessed in any case.*
  - 6) *Do not write anything on the blank portion of question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*

SECTION – B

2. Describe in short therapeutic uses and adverse effects of **any five** of the following : (5×3=15)
- a) Morphine (Opioid analgesics)
  - b) Adrenaline
  - c) Diazepam
  - d) Dexamethasone
  - e) Erythromycine
  - f) Atenolol.

SECTION – C

3. Attempt **any three** : (3×5=15)
- a) Drug therapy of rheumatoid arthritis.
  - b) Drug therapy of amoebic dysentery.
  - c) Drug therapy of moderate hypertension.
  - d) Describe various routes of drug administration with suitable examples.
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63911

Second B.P.Th. (Revised) Examination, May/June 2010  
PHARMACOLOGY

Total Duration: Section A + B + C = 2 Hours

Section B &amp; C Marks: 30

## SECTION – B &amp; SECTION – C

- Instructions :*
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

## SECTION – B

2. Answer the following (any five out of six) : (5×3=15)
- a) Mention six uses of beta receptor blockers.
  - b) Classify drugs used in the treatment of Parkinsonism.
  - c) Mention three drugs given by inhalation route in bronchial asthma and mention one important adverse effect of each of them.
  - d) Enumerate therapeutic uses of atropine and atropine substitutes.
  - e) Explain the rationale for the use of aspirin after myocardial infarction. Mention two uses of salicylates preparation applied topically.
  - f) Enumerate aminoglycoside antibiotics and mention their common features.

## SECTION – C

3. Answer the following (any three out of four) : (3×5=15)
- a) Classify drugs used in tuberculosis. Explain why combination therapy is used. Enumerate the important adverse effects of any two drugs.
  - b) Classify drugs used in the treatment of Rheumatoid arthritis and gout and explain the pharmacological basis for their use.
  - c) Enumerate various insulin preparations and oral antidiabetic drugs. Describe the adverse effects and indications for the use of insulin therapy.
  - d) Classify antihypertensive drugs. Describe the mechanism of action, adverse effects and uses of A.C.E. inhibitors.
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63914

Second B.P.Th. (Revised) Examination, May/June 2010  
KINESIO THERAPY

Total Duration: Section A + B + C = 3 Hours

Section B &amp; C Marks: 60

## SECTION - B &amp; SECTION - C

- Instructions:* 1) All questions are compulsory.  
2) The number to the right indicates full marks.  
3) Draw diagrams wherever necessary.  
4) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

## SECTION - B

2. Answer the following (any five out of six): (5×3=15)
- Mention the determinants of gait.
  - Hold-Relax technique.
  - Define 10 RM.
  - Mention the principles of strength training.
  - Elasticity.
  - Humidification.
3. Answer the following (any three out of four): (3×5=15)
- Pursed lip Breathing.
  - Pre-crutch training.
  - Frenkel's exercise.
  - Ballistic stretching.

## SECTION - C

4. Describe the Sacroiliac articulations. 5  
Describe the various ligaments of Sacroiliac region and 6  
Describe symphysis pubis articulation. 4  
(5+6+4=15)
5. a) Write notes on : 5  
Manual muscle testing of Quadriceps muscle. 5  
Strength training of Quadriceps from strength grade 1 to grade 3. 5  
Progressive resistance exercise for Quadriceps. 5  
(5+5+5=15)
- OR
- b) Write a note on : 5  
Chest mobilisation exercises. 4  
Describe cough mechanism. 6  
Write a note on postural drainage for lingula. 6  
(5+4+6=15)



Second B.P.Th. (New Course) Examination, Oct./Nov. 2004  
PSYCHIATRY

Total Duration : Section A + B + C = 2 Hours

Section B & C Marks : 30

SECTION - B & SECTION - C

- Instructions :*
- 1) All questions are compulsory.
  - 2) The number to the right indicate full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer book will not be assessed in any case.

SECTION - B

2. Attempt **any five** out of six : (5×3 = 15)
- a) Define Delusions and discuss various types of delusions.
  - b) Discuss assessment and various risk factors of Suicide Clinically.
  - c) Hypochondriasis; elaborate clinical picture and presentation and differential diagnosis.
  - d) Define and discuss clinical picture of Borderline personality disorder.
  - e) Discuss Nicotine dependence and its brief management.
  - f) Discuss Obesity, its causes and management.

SECTION - C

3. Attempt **any three** out of four : (3×5 = 15)
- a) Discuss causes and management of Insomnia.
  - b) Define Delirium, Describe clinical picture and causes and management of Delirium.
  - c) Classify Antipsychotic drugs and discuss indications and side effects of these drugs.
  - d) Discuss signs, symptoms and management of Conduct Disorder.

Second B.P.Th. (New Course) Examination, June/July 2004  
PSYCHIATRY

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION - B & SECTION - C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The numbers to the right indicate full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

SECTION - B  
(SAQ)

(5 × 3 = 15)

2. Attempt any **five** out of six:
- a) Attention Deficit Hyperactivity Disorder
  - b) Suicide
  - c) Alcohol withdrawal
  - d) Behaviour therapy
  - e) Premature ejaculation
  - f) Paranoid Schizophrenia

SECTION - C  
(LAQ)

(3 × 5 = 15)

3. Attempt any **three** out of four:
- a) Panic disorder with agoraphobia
  - b) Mania
  - c) Conversion disorder
  - d) Electroconvulsive therapy.

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II B.P.Th. (New) Examination, October 2003  
PSYCHIATRY

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION – B & SECTION – C

- Instructions:*
- 1) All questions are compulsory.
  - 2) The number to the right indicate full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer books will not be assessed in any case.

SECTION – B

2. Answer **any five** out of **six** questions: (15 Marks)
- a) Clinical features of mania.
  - b) Panic disorder.
  - c) Hallucinations.
  - d) Describe extrapyramidal symptoms and their management.
  - e) Electroconvulsive therapy—give indications, contraindications and method of administration.
  - f) Cognitive impairment in dementia.

SECTION – C

3. Answer **any three** out of **four** questions: (15 Marks)
- a) Describe the aetiology, clinical features and management of attention deficit hyperactivity disorder.
  - b) Define tolerance, withdrawal and dependence in a substance use disorder. Describe clinical features of opioid withdrawal.
  - c) Describe clinical features and management of catatonic schizophrenia.
  - d) Describe the aetiology, risk factors and management of suicide.



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Second B.P.Th. (Revised) Examination, May/June 2010  
**PSYCHOLOGY**

Total Duration : Section A + B + C = 2 Hours

Section B & C Marks : 30

SECTION - B & SECTION - C

- Instructions :**
- 1) *All questions are compulsory.*
  - 2) *The number to the right indicates full marks.*
  - 3) *Draw diagrams wherever necessary.*
  - 4) *Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*

SECTION - B

2. Answer the following (**any five** out of six) :

(5×3=15)

- a) Schedules of Reinforcement
- b) Factors influencing forgetting
- c) Any 2 schools of psychology
- d) Types of Schizophrenia
- e) General Adaptation Syndrome
- f) Factors that influence attention.

SECTION - C

3. Answer the following (**any three** out of four) :

(3×5=15)

- a) Types of conflicts
- b) Any 2 Anxiety disorders
- c) Methods to improve memory
- d) Any 2 theories of Emotions.



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Second B.P.Th. (New Course) Examination, June/July 2006  
PSYCHOLOGY

Total Duration: Section A + B + C = 2 Hours

Section B & C Marks: 30

SECTION - B & SECTION - C

- Instructions:**
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Answer each Section in the respective answer sheet only.
  - 5) Answers written in the inappropriate sectional answer book will not be assessed in any case.
  - 6) Do not write anything on the blank portion of question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

SECTION - B

2. Attempt any **five** out of six. (5×3)
- a) Write about types of memory with reference to Atkinson's information processing model of memory.
  - b) Cognitive learning.
  - c) Write about adjustment problems in early childhood.
  - d) Sublimation.
  - e) Motivation with reference to Maslow's need hierarchy model of motivation.
  - f) Behaviourism.

SECTION - C  
(LAQ)

Attempt any **three** out of four:

(3×5=15)

3. a) Define perception and write about laws of perceptual organization.
- b) Define conflict, write about various types of conflicts with example.
- c) State various causes of abnormal behaviour.
- d) Define forgetting, write about factors responsible for forgetting.



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**Second B.P.Th. (Revised) Examination, Summer 2013**  
**ELECTROTHERAPY**

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

**SECTION – B & SECTION – C**

- Instructions:** 1) *All questions are compulsory.*  
2) *The number to the right indicates full marks.*  
3) *Draw diagrams wherever necessary.*  
4) *Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.*

**SECTION – B**  
**(SAQ)**

2. Answer the following (any five out of six) : (5×3=15)
- a) Any 3 ions with its uses in Iontophoresis
  - b) Acoustic streaming by ultrasound
  - c) Types of T.E.N.S.
  - d) Types of electrodes used in electrical stimulation
  - e) Russian currents
  - f) Effects of height frequency currents on the tissues.
3. Answer the following (any three out of four) : (3×5=15)
- a) Wound healing by LASER
  - b) UVR generator
  - c) 5 Dangers of Infra Red Rays
  - d) Precautions and contra-indications of LASER.

P.T.O.



63913

**Second B.P.Th. (Revised) Examination, May/June 2010**  
**ELECTROTHERAPY**

Total Duration: Section A + B + C = 3 Hours

Section B & C Marks: 60

**SECTION - B & SECTION - C**

- Instructions :**
- 1) All questions are compulsory.
  - 2) The number to the right indicates full marks.
  - 3) Draw diagrams wherever necessary.
  - 4) Do not write anything on the blank portion of the question paper. If written anything, such type of act will be considered as an attempt to resort to unfair means.

**SECTION - B**

(SAQ)

(30 marks)

2. Answer the following (any five out of six) :

(5×3=15)

- a) Coupling media.
- b) Three contraindications of SWD.
- c) Leeds Regimen.
- d) Dangers of US.
- e) Indications for use of Interrupted D.C.
- f) Faradic reeducation.

3. Answer the following (any three out of four) :

(3×5=15)

- a) Physiological effects of IFT.
- b) Therapeutic uses of Laser.
- c) Dangers of IR.
- d) Any five physiological effects of UVR.

P.T.O.