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

BF/2015/09

# Orthopaedics

**[New Scheme w.e.f. 2009]**

Time : 3 Hours Max Marks : 80

 **USE SEPARATE ANSWER SHEET FOR EACH SECTION.**

##  SECTION - A [40 Marks]

*1.* ***Answer the following Short Notes upto 5 lines in length.*** [5x3=15]

 (a) Electromyography.

 (b) Carpal tunnel syndrome.

(c) Dequervain’s disease.

(d) Involucrum.

(e) Plantar fasciitis.

**2. Answer the following question upto 3 pages in length.** *[10]*

Discuss the etiology, clinical features, investigations and management of chronic osteomyelitis.

**3. Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]

(a) Describe in detail the clinical features, investigations and management of fracture neck of femur.

 **OR**

(b) Describe in detail the clinical features, investigations and management of cervical spine injury.

 **SECTION – B [40 Marks]**

1. ***Answer the following Short Notes upto 5 lines in length.*** [5x3=15]

 (a) Tennis elbow.

 (b) Thomas splint.

 (c) Maralgia parasthetica.

(d) Osteochondroma.

 (e) Elbow dislocation.

2. **Answer the following question upto 3 pages in length.** *[10]*

 Discuss the clinical features, investigations and management of developmental dysplasia of hip.

3. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]

(a) Describe in detail the clinical features, investigations and management of shoulder dislocation.

**OR**

(b) Describe in detail the surgical and non surgical management of paraplegia.

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BF/2015/09

# General Medicine

**[New Scheme w.e.f. 2009]**

Time : 3 Hours Max Marks : 80

 **USE SEPARATE ANSWER SHEET FOR EACH SECTION.**

##  SECTION - A [40 Marks]

*1.* ***Answer the following Short Notes upto 5 lines in length.*** [5x3=15]

 (a) Enumerate causes of generalized lymphadenopathy.

 (b) Causes of fever with dysentery.

 (c) Clinical features of rickets and riboflavin deficiency.

 (d) Drugs used in falciparum malaria.

 (e) Side effects of anti-retroviral therapy.

2. **Answer the following question upto 3 pages in length.** *[10]*

*Discuss the etiology, clinical features and management of pleural effusion.*

3. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.**  [15]

(a) Describe the c*linical features, diagnosis and treatment of congestive heart failure.*

 **OR**

(b) What are the causes, clinical features and management of peptic ulcer disease.

 **SECTION – B [40 Marks]**

1. ***Answer the following Short Notes upto 5 lines in length.*** [5x3=15]

 (a) Enumerate the causes and complications of hepatitis.

 (b) Clinical features and management of lung abscess.

 (c) Types of acne and management.

 (d) Clinical features and diagnosis of leprosy.

 (e) Causes and diagnosis of dementia*.*

2. **Answer the following question upto 3 pages in length.** *[10]*

 Discuss the etiology, clinical features, and treatment of nephrotic syndrome.

3. **Attempt any ONE question out of the following two questions and Answer**

 **should be upto 5 pages in length.**  [15]

(a) Describe the clinical features, diagnosis and treatment of community acquired pneumonia.

 **OR**

(b) Describe the clinical features, diagnosis and treatment of extra-pulmonary tuberculosis.

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

BF/2015/09

# P.T. in Orthopaedic Conditions

# [New Scheme w.e.f. 2009]

Time : 3 Hours Max Marks : 80

 USE SEPARATE ANSWER SHEET FOR EACH SECTION.

##  SECTION - A [40 Marks]

*1.* ***Answer the following Short Notes upto 5 lines in length.*** [5x3=15]

 (a) Painful arc syndrome of shoulder.

(b) Osteomalacia.

 (c) Perthes’ Disease.

(d) Mallet toe.

 (e) Cervical rib syndrome.

2. **Answer the following question upto 3 pages in length.** *[10]*

Describe the management of a 30 year old person with grade 1 meniscus tear.

3. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]

(a) Write different causes of Low Back Pain & to manage an acute PIVD in details.

 **OR**

(b) Essay on Fracture of neck of Femur.

 **SECTION – B [40 Marks]**

1. ***Answer the following Short Notes upto 5 lines in length.*** [5x3=15]

 (a) Golfer’s Elbow.

(b) Coxa Valga.

(c) Hemophilic Arthritis.

(d) Kyphosis.

(e) Tendinitis.

2. **Answer the following question upto 3 pages in length.** *[10]*

Write an essay on prosthetic phase management of a below knee amputation.

3. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]

(a) Describe different types of mechanism of anterior cruciate ligament injury, its clinical presentation & management.

 **OR**

(b) Write an essay on Ankylosing Spondylitis & its management.

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

BF/2015/09

# P.T. in Medical Conditions

**[New Scheme w.e.f. 2009]**

Time : 3 Hours Max Marks : 80

 USE SEPARATE ANSWER SHEET FOR EACH SECTION.

##  SECTION - A [40 Marks]

*1.* ***Answer the following Short Notes upto 5 lines in length.*** [5x3=15]

(a) Burger’s Disease.

 (b) Thrombophlebitis.

 (c) Blue blotters.

 (d) Pectus Excavatum.

 (e) Acne.

2. **Answer the following question upto 3 pages in length.** *[10]*

Discuss in detail causes, deformities along with medical & physiotherapy management of rickets.

3. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]

(a) Discuss in detail circle of Willis with diagram along with clinical manifestation of patient suffering from stroke.

 **OR**

 (b) Define heart failure & discuss in detail clinical features, types, investigation along with medical treatment of heart failure.

 **SECTION – B [40 Marks]**

1. ***Answer the following Short Notes upto 5 lines in length.*** [5x3=15]

(a) Dementia.

 (b) Intermittent claudication.

 (c) Moro’s reflex.

 (d) Festinating gait.

 (e) Bursitis.

2. **Answer the following question upto 3 pages in length.** *[10]*

Explain in detail pathology, types & PT management of Myopathy .

3. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]

(a) Discuss in detail classification, clinical features along with medical & PT management of Hypertension.

**OR**

(b) Discuss in detail path physiology, clinical features along with medical & PT management of Leprosy.

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

BF/2015/09

# Research Methodology and Biostatistics

# [New Scheme w.e.f. 2009]

Time : 3 Hours Max Marks : 80

NOTE : SIMPLE CALCULATOR IS ALLOWED.

 USE SEPARATE ANSWER SHEET FOR EACH SECTION.

##  SECTION - A [40 Marks]

*1.* ***Answer the following Short Notes upto 5 lines in length.*** [5x3=15]

(a) T-test.

 (b) Correlation.

 (c) Validity Analysis.

 (d) Non-parametric tests.

 (e) Descriptive research

2. **Answer the following question upto 3 pages in length.** *[10]*

Discuss the structure of a research proposal.

3. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.** [15]

(a) What is Analysis of Variance? How it is calculated? Discuss its applicability in research with some examples.

**OR**

(b) What is research? Discuss various approaches to research. Explain the importance of research in clinical practice.

 **SECTION – B [40 Marks]**

1. ***Answer the following Short Notes upto 5 lines in length.*** [5x3=15]

**(**a) What is Research question ?

 (b) What is Mean ?

(c) Define Primary data.

 (d) Define experimental research.

 (e) What is Degree of Freedom.

2. **Answer the following question upto 3 pages in length.** *[10]*

Discuss various ethical issues in human research ?

3. **Attempt any ONE question out of the following two questions and Answer should be upto 5 pages in length.**  [15]

(a) What do you understand by correlation ? Calculate and analyze the correlation coefficient between the number of study hours and marks obtained of different students in maths.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Number of Study hours** | **2** | **4** | **6** | **8** | **10** |
| **Marks obtained** | **10** | **25** | **30** | **29** | **34** |

**OR**

(b) Differentiate between parametric and non-parametric techniques. Discuss various types of non-parametric techniques.

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