

Second Year BPT Degree Supplementary Examinations - April 2014

BIOMECHANICS

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Explain in detail the articulations of the shoulder complex and add a note on its static and dynamic stability
2. Define posture and explain sagittal analysis of posture

Short notes

(10x5=50)

3. Describe COG, LOG and BOS
4. Explain in detail the biomechanics of lifting
5. Explain the phases and kinematics of stair climbing
6. Explain the structure of a synovial joint
7. Explain the role of intrinsic muscles of the hand
8. Define stress and strain. Add a note on load deformation curve
9. Describe the structure of the radio-ulnar joint
10. Define gait and classify the various phases & sub phases of the gait cycle
11. Explain the movements of the sacroiliac joint
12. Describe the role of patella in the knee joint

Answer briefly

(10x3=30)

13. Define inertia
14. Describe the functional position of the wrist and the hand
15. Angle of pull of a muscle
16. Define cadence
17. Centre edge angle
18. Movements of the TMJ joint
19. Hysteresis
20. Angle of torsion of femur
21. Pivot joint with example
22. Palmar arches

Q.P.Code: 201014

Reg. No.:.....

Second Year BPT Degree Supplementary Examinations - June 2013

BIOMECHANICS

Time: 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Explain in detail the kinetics and kinematics of the cervical spine
2. Briefly describe the structural components of the hip joint and explain the role of hip abductors in unilateral stance

Short notes

(10x5=50)

3. Describe scapulohumeral rhythm
4. Explain in detail the biomechanics of throwing
5. Explain active and passive insufficiency with hamstring muscle as an example
6. How third order lever is converted into second order lever. Explain with an example
7. Tabulate the arthrokinematics of all the movements of the knee joint
8. Screw home mechanism of the knee
9. Explain various phases of the gait cycle
10. Planes and axis
11. Explain the movements of the pelvic girdle
12. Open and closed kinematic chains

Answer briefly

(10x3=30)

13. Q angle
14. Concurrent forces
15. Define equilibrium
16. Define Newton's laws of motion
17. Extensor mechanism
18. Genu varum
19. Pronation twist
20. Concave convex rule
21. Torque and moment arm
22. Define elasticity

Q.P.Code: 201014

Reg. No.:.....

Second Year BPT Degree Examinations - October 2012

BIOMECHANICS

Time: 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Describe the role of cruciate ligaments and menisci in the kinematics of the tibiofemoral joint. Add a note on locking mechanism of the knee
2. Define gait and mention the phases of gait cycle. Describe kinetics and kinematics of stance phase of gait cycle.

Short notes

(10x5=50)

3. Describe isotonic contraction with suitable examples
4. Explain the extensor mechanism of the hand with diagrams
5. Mention the different lever systems and describe them with examples
6. Define posture and add a note on sitting posture
7. Explain the structure of plantar arches and mention three functions .
8. Mention the motions available at the patella femoral joint. Add a note on the motions of patella during flexion and extension of the knee
9. Analyze the muscle forces at the hip during unilateral stance
10. What is stress and strain. Explain the load deformation curve with an example
11. Ligaments of the wrist complex
12. Describe the joint motions and muscle activity that occur in running gait

Answer briefly

(10x3=30)

13. Forward head posture
14. Mechanical advantage of lever
15. Contractile unit of a muscle
16. Intrinsic minus hand
17. Centre edge angle of acetabulum
18. Pes planus
19. Measurement methods of crutches and canes
20. Movements of pelvis on femur
21. .Deltoid ligament and lateral collateral ligament of ankle joint
22. Concave- convex rule with an example

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Second Year BPT Degree Examinations - October 2013

BIOMECHANICS

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Explain in detail about analysis of posture in sagittal plane and mention the deviation from normal posture
2. What are the components of shoulder complex. Explain about the scapula humeral rhythm in detail

Short notes

(10x5=50)

3. Resolution of forces
4. Explain the role of intrinsic muscles of the hand
5. Angulation of femur
6. Explain the structure and role of menisci in the knee joint
7. Describe the sub-talar joint motions and the axis around which these motions occur
8. Deviations from optimal alignment in the sagittal plane of the knee
9. Mention the distance and time variables of gait
10. Radioulnar joint
11. Explain the kinematics of the cervical spine
12. Explain the role of patella as an anatomic pulley at the knee joint

Answer briefly

(10x3=30)

13. Pronation twist of the foot
14. Explain ground reaction force
15. What is joint lubrication and mention its types
16. Closed chain exercises
17. Resting position of the scapula
18. What is osteokinematics and arthrokinematics
19. Mention the difference between active and passive insufficiency
20. Classification of joints
21. Waddling gait
22. Axis and planes of the body

Q.P.Code: 201014 (Old Scheme)

Reg. No.:.....

**Second Year BPT Degree Supplementary Examinations - September 2014
(2010 Scheme)**

BIOMECHANICS

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays (2x10=20)

1. Explain different types of power and precision grip with muscle action and joint position
2. Explain in detail the hip joint forces and muscle function in unilateral and bilateral stance

Short notes (10x5=50)

3. Explain the lumbo-pelvic rhythm
4. Explain the effects of immobilization on ligament, tendon and bone
5. What are the components of muscle tension. Explain the length- tension relationship
6. Compare squat lifting with stoop lifting
7. Explain the kinematics of rib cage during ventilation
8. Name and describe the motions present in the temporomandibular joint
9. Which muscles contribute to dynamic stabilization of the glenohumeral joint. Briefly describe its role in dynamic stabilization.
10. Describe the arches of the hand with diagrams and mention any two functions
11. Explain the young's modulus of elasticity with an example
12. Explain the biomechanical role of inter vertebral disc

Answer briefly (10x3=30)

13. What is carrying angle and give its range
14. What is equilibrium and mention its types.
15. Cylindrical grip
16. Cross-eyed patella
17. Supination twist of the foot
18. Q-angle
19. Trabecular systems of the head and neck of femur
20. Functional position of wrist and hand
21. Triangular fibro cartilage complex of wrist
22. Explain creep with a diagram

Second Year BPT Degree Supplementary Examinations - April 2014

ELECTROTHERAPY

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Define pain. Explain the pain gate theory with a neat diagram.
2. Define electrodiagnosis. Explain in detail about characteristics of strength duration curve in denervated and partially denervated muscles

Short notes

(10x5=50)

3. Treatment of psoriasis using ultra violet radiation.
4. Principles and uses of whirlpool therapy.
5. List out the methods of application of wax and explain any two in detail.
6. Physiological effects of cold.
7. What is coherence. Mention the therapeutic effects of LASER.
8. Effect of current flow in the tissues.
9. Safety devices.
10. Therapeutic uses and contraindications of fluido therapy.
11. Treatment of pain using Iontophoresis.
12. Define beat frequency. Mention the physiological effects of interferential therapy.

Answer briefly

(10x3=30)

13. Attenuation.
14. Contrast bath.
15. Accommodation.
16. Sinusoidal currents.
17. Faradism under pressure.
18. Photosensitization in ultra violet radiation.
19. Bio feedback.
20. Cross fire method in short wave diathermy.
21. Chronaxie and rheobase.
22. Ohms law

Q.P.Code:202014

Reg. No.:.....

Second Year BPT Degree Supplementary Examinations - June 2013

ELECTROTHERAPY

Time: 3 hrs

Max marks :100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Explain physiological and therapeutic effects of faradic current.
2. Define piezoelectric effect. Explain the methods of application of ultrasound therapy.

Short notes

(10x5=50)

3. Explain test dose for ultraviolet radiation.
4. Safety precautions used in physiotherapy department.
5. Explain pain gate mechanism.
6. Explain interferential therapy with its physiological effects.
7. Discuss non -luminous IRR generators.
8. Define LASER and explain its principles.
9. Absorption and attenuation of ultrasound.
10. Describe about hydrocollator pack.
11. What is contrast bath. Explain its therapeutic effects and contraindications.
12. Anodal and cathodal galvanism.

Answer briefly

(10x3=30)

13. Indications of transcutaneous electrical nerve stimulation
14. Notes on S D Curve
15. Semiconductors.
16. Lowering skin resistance for electrical stimulation
17. Lewis hunting reaction.
18. Coupling media.
19. Dangers of SWD.
20. Iontophoresis.
21. Russian currents.
22. Uses of fluidiotherapy.

Q.P.Code: 202014

Reg. No.:.....

Second Year BPT Degree Examinations - October 2012

ELECTROTHERAPY

Time: 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Define ultraviolet radiation.Explain the production of ultraviolet radiation in detail.
2. Illustrate and explain the production of short wave diathermy . Discuss the transmission of high frequency currents in the tissue.

Short notes

(10x5=50)

3. Explain the various methods of wax application.
4. Explain the indications and contraindications of galvanic current.
5. Define TENS. Describe the indications and contraindications of TENS.
6. Describe the strength duration curve.
7. Explain the non thermal effects of ultrasound.
8. Define infrared radiation. Mention the types of infrared generators. Explain the indications and contraindications of the same.
9. What are the physiological effects of cryotherapy .
10. Discuss briefly the electrode spacing in short wave diathermy.
11. Mention the different methods of application of interferential therapy
12. Properties of LASER and its biophysical and biostimulation effects.

Answer briefly

(10x3=30)

13. Condensors
14. Sinusoidal current
15. Accomodation
16. Merits of strength duration curve
17. Pulsed electromagnetic energy
18. Classification of LASER
19. Acoustic streaming
20. Whirlpool bath
21. Contraindications of hydrocollator packs
22. Eddy currents

Q.P.Code: 202014

Reg. No.:.....

Second Year BPT Degree Examinations - October 2013

ELECTROTHERAPY

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Discuss physiological and therapeutic effects of short wave diathermy.
2. Explain in detail the production of LASER. Add a note on the therapeutic effects of LASER

Short notes

(10x5=50)

3. Define low frequency currents. Explain therapeutic effects of interrupted direct current.
4. Define TENS. Explain with the help of a diagram the placement of electrodes and parameters for acute low back pain.
5. Describe about hydrocollator packs.
6. Any four methods of cold application.
7. Define Ohms law and explain the effective resistance of a circuit if the resistors are connected in parallel.
8. Explain the thermal effects of ultrasound therapy.
9. Indications and contraindications of interferential therapy.
10. Name the methods of application of wax therapy. Add a note on the Indication and contraindications of wax therapy.
11. Describe propagation of action potential.
12. Effects of whirlpool therapy.

Answer briefly

(10x3=30)

13. Contrast bath method
14. Motor unit.
15. H.V.P.G.S.
16. Standing waves in ultrasound
17. Fuse and its importance.
18. Diadynamic currents.
19. Types of infrared radiation.
20. Faradism under pressure.
21. Piezoelectric effect.
22. Bio feedback.

Second Year BPT Degree Regular Examinations - September 2014 (2012 Scheme)

ELECTROTHERAPY

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x14=28)

1. Explain in detail the physiological effects and therapeutic uses of Faradic type of current. Add a note on surging (6+6+2=14)
2. Discuss in detail the principle of production of short wave diathermy (SWD) and the indications and contraindications of SWD (6+4+4=14)

Short notes

(4x8=32)

3. Method of application of LASER
4. Nonthermal effect of ultrasound
5. Methods of application of electrodes in TENS
6. Resistance in series and parallel

Answer briefly

(10x4=40)

7. Methods of application of Faradic type of current
8. Uses of infra redrays
9. Contraplanar method of SWD
10. Mutual induction
11. Prevention of earthshock
12. Dangers of waxtherapy
13. Types of UVR lamps
14. Construction of condenser
15. Accommodation
16. Therapeutic uses of whirlpool bath

Second Year BPT Degree Supplementary Examinations - April 2014

EXERCISE THERAPY

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Explain in detail the structures responsible for balance and various types of balance retraining (5+2+3=10)
2. Define massage. Describe the order of techniques for facial massage. Explain the therapeutic uses of each. (2+3+5=10)

Short notes

(10x5=50)

3. Mention the types of active exercises and list out the uses of each type of active exercises
4. Define axis and plane. Mention the axis and plane of shoulder joint movements
5. Any five important principles of manual muscle test
6. Define stretching. Explain indications and contraindications of stretching
7. Classify the passive movements. Mention the indications, contraindications of passive movements
8. List out the difference between isometric, isotonic and isokinetic exercises
9. Postural drainage positions for right and left upper lobes
10. Briefly explain proprioceptive neuromuscular facilitation (PNF) with emphasis on contract-relax and rhythmic stabilization
11. Explain the sequences of functional re-education from lying to sitting
12. Explain the physiological adaptations to aerobic exercises

Answer briefly

(10x3=30)

13. Define plyometric exercises
14. Reciprocal inhibition
15. Concave-convex rule and convex-concave rule
16. Any three properties of water
17. Disadvantages of group exercises
18. Benefits of yogasanas
19. Define vital capacity (VC)
20. Any three causes of limb length discrepancy
21. List the vital parameters
22. Define power and strength

Second Year BPT Degree Supplementary Examinations - June 2013

EXERCISE THERAPY

Time: 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. What do you mean by Proprioceptive Neuromuscular facilitation(PNF). Discuss the principles of PNF and any three techniques of PNF.
2. Define postural drainage and discuss its indications & contra indications

Short notes

(10x5=50)

3. Describe the types of breathing exercises in brief.
4. Concentric and eccentric contractions.
5. Principles of Frenkel's exercises
6. Closed chain exercise
7. Discuss in brief regarding the types of balance training
8. Describe the types of suspension therapy
9. List the effects and precautions of stretching
10. Describe contract relax and hold relax techniques
11. Phases of aerobic exercises
12. Discuss the principles of goniometry

Answer briefly

(10x3=30)

13. Muscle tone
14. Muscle energy techniques
15. Pulleys
16. Endurance
17. Free exercises
18. Roll and slide
19. List the components of balance
20. Yoga
21. Diagrammatic representation of levers
22. List any four abnormal postures

QP.Code: 203014

Reg. No.:.....

Second Year **BPT** Degree Examinations - October 2012

EXERCISE THERAPY

Time: 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Define breathing exercise. Explain the types, indications and precautions of breathing exercise. (2+3+3+2=10)
2. Define muscle strength and mention the methods of strengthening quadriceps muscle from grade 1 to grade 5 (2+8=10)

Short notes

(10x5=50)

3. Indications, precautions and contraindications for hydrotherapy.
4. Immediate physiological response to aerobic exercises
5. Define passive movements and list out the advantages & disadvantages of passive movements
6. Anterior and posterior pelvic tilt.
7. List out the difference between true and apparent limb length measurement
8. Effleurage
9. Precautions, do and don't for stretching exercises
10. Define in-cordination. List the equilibrium and non equilibrium co-ordination tests
11. Classification of walking aids
12. Explain the types of suspension therapy with examples

Answer briefly

(10X3=30)

13. Define trick movements
14. Line of gravity
15. One muscular endurance test
16. Medical research council (MRC) - grading
17. Superficial sensory assessment
18. Types of goniometers
19. Muscle spindle
20. Karvonen's formula
21. Indications and contraindication of breathing exercises
22. Define hold-relax

Second Year BPT Degree Examinations - October 2013

EXERCISE THERAPY

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x10=20)

1. Define stretching. Discuss the techniques, effects and precautions of stretching. Add a note on hamstrings muscle stretching.
2. Describe the types, measurements and prescription of walking aids

Short notes

(10x5=50)

3. Discuss the causes for decreased muscle performance
4. Principles of mobilization
5. Merits and demerits of hydrotherapy
6. Principles of pranayamas
7. Physiological responses to aerobic exercises
8. Discuss the determinants of stretching exercises
9. Multiple angle isometrics
10. Active assisted exercises
11. Forced expiratory techniques
12. Rhythmic initiation

Answer briefly

(10x3=30)

13. Petrissage
14. Gravity
15. List any two pulmonary function tests
16. Define posture
17. Define mobilization
18. Define passive movements
19. Define range of motion
20. Momentum
21. List the vital parameters
22. Power

Second Year BPT Degree Examinations - September 2014

(2012 Scheme)

EXERCISE THERAPY

Time : 3 hrs

Max marks : 100

- Answer all questions
- Draw diagrams wherever necessary

Essays

(2x14=28)

1. Define suspension therapy. Explain in detail about the principles, types, indications and contraindications of suspension therapy.
2. Define coordination. What are the principles of coordination exercises. Explain in detail about Frenkel's exercises.

Short notes

(4x8=32)

3. Describe concentric and eccentric exercises with examples.
4. Describe the indications, contraindications and goals of stretching exercises.
5. Explain progressive resisted exercises. Describe Delorme's technique.
6. What is good posture. Discuss about corrective methods and patient education to maintain good posture.

Answer briefly

(10x4=40)

7. Explain Jacobson's relaxation techniques.
8. Limb length measurement.
9. Indications and contraindications for joint mobilization.
10. Explain the grades of muscle strength.
11. Types of walking aids.
12. Physiological effects of aerobic training.
13. Therapeutic effects of exercises in water.
14. Principles of goniometry.
15. Explain rhythmic stabilization.
16. Therapeutic effects of massage.

Second Year BPT Degree Supplementary Examinations - April 2014

MICROBIOLOGY AND PATHOLOGY

Time: 3 hrs

Max marks: 100

- Answer all questions
- Write section A and section B in separate answer books(32 Pages). Do not mix up questions from section A and section B.

Q P Code: 205014

Section A – Microbiology

Marks: 50

Essay:

(10)

1. Define and classify sterilization. Name the moist heat methods of sterilization. Describe the autoclave in detail.

Short notes:

(5x5=25)

2. Laboratory diagnosis of urinary tract infections.
3. Nosocomial infection.
4. Explain Hypersensitivity reactions and types
5. Prophylaxis against tetanus.
6. Laboratory diagnosis of hepatitis B virus infection.

Answer briefly:

(5x3=15)

7. Bacterial capsule.
8. Name the opportunistic infections seen in HIV.
9. Name any six disinfectants used in a hospital.
10. Name the dermatophytes and infections caused by them.
11. Oral polio vaccine.

Q P Code: 206014

Section B – Pathology

Marks: 50

Essay:

(10)

1. Classify bone tumors. Explain the clinical and morphological features of osteosarcoma.

Short notes:

(5x5=25)

2. Graves disease.
3. Basal cell carcinoma.
4. Osteoporosis.
5. Pathological calcification.
6. Sickle cell anemia.

Answer briefly:

(5x3=15)

7. Marasmus
8. List the population at risk of developing AIDS.
9. Types of Gangrene with examples
10. Explain Osteomyelitis
11. Enumerate the transfusion transmitted infections.

Reg. No.:

Second Year **BPT** Degree Supplementary Examinations - June 2013

MICROBIOLOGY AND PATHOLOGY

Time: 3 hrs

Max marks: 100

- Answer all questions
- Write section A and section B in separate answer books. Do not mix up questions from section A and section B.

Q P Code: 205014 Section A- Microbiology

Marks:50

Essay: (10)

1. Describe the pathogenesis, laboratory diagnosis and methods of prevention of pulmonary tuberculosis

Short notes: (5x5=25)

2. Candida albicans
3. Laboratory diagnosis of cholera
4. Hot air oven
5. Pathogenesis of poliomyelitis
6. Functions of T cells

Answer briefly: (5x3=15)

7. Classification of bacteria based on morphology
8. Rapid plasma reagin card test
9. Significant bacteriuria
10. Routes of transmission of HIV
11. Enumerate the parasites causing malaria

Q P Code: 206014 Section B - Pathology

Marks: 50

Essay: (10)

1. Classify meningitis. Describe the pathology and laboratory diagnosis of tuberculosis meningitis.

Short notes: (5x5=25)

2. Gangrene
3. Brain Abscess
4. Cardiac oedema
5. Leukoplakia
6. Malignant melanoma

Answer briefly: (5x3=15)

4. Hypertrophy
5. Scurvy
6. Sickle cell anemia
7. Gastritis
8. Alcoholic cirrhosis

Reg. No.:

Second Year **BPT** Degree Examinations - October 2012

MICROBIOLOGY AND PATHOLOGY

Time: 3 hrs

Max marks: 100

- Answer all questions
- Write section A and section B in separate answer books. Do not mix up questions from section A and section B.

Q P Code: 205014

Section A - Microbiology

Marks: 50

Essay:

(10)

1. Enumerate the agents causing meningitis. Discuss the laboratory diagnosis of acute bacterial meningitis.

Short notes:

(5X5=25)

2. Opportunistic fungal infections in AIDS
3. Chemical disinfectants
4. Mechanisms of acquired immunity
5. Mycobacterium
6. Laboratory diagnosis of syphilis

Answer briefly:

(5x3=15)

7. Post streptococcus sequelae
8. Bacteroides
9. Ridley and Jopling classification of leprosy
10. Routes of transmission of bacillus anthracis
11. Structure of an enveloped virus

Q P Code: 206014

Section B – Pathology

Marks: 50

Essay:

(10)

1. Classify arthritis. Describe the features of rheumatoid arthritis.

Short notes:

(5X5=25)

2. Pathogenesis of shock.
3. Fracture healing
4. Megaloblastic anemia
5. Filariasis
6. Thrombosis

Answer briefly:

(5x3=15)

7. Atrophy
8. Necrosis
9. Asbestosis
10. Ulcer
11. Tuberculosis meningitis

Second Year BPT Degree Examinations - October 2013

MICROBIOLOGY AND PATHOLOGY

Time: 3 hrs

Max marks: 100

- Answer all questions
- Write section A and section B in separate answer books. Do not mix up questions from section A and section B.

Q P Code: 205014

Section A – Microbiology

Marks: 50

Essay:

(10)

1. Define pyrexia of unknown origin (PUO). Name the causes for PUO. Describe the laboratory diagnosis of typhoid fever.

Short notes:

(5x5=25)

2. Laboratory diagnosis of HIV.
3. Hot air oven.
4. Laboratory diagnosis of cholera.
5. Bacterial cell wall.
6. Streptococcus pyogenes infections and its laboratory diagnosis.

Answer briefly:

(5x3=15)

7. Define zoonosis and mention three examples.
8. Name the causative agents of gas gangrene
9. Blood agar.
10. Name three bacteria and three viruses causing meningitis.
11. Acid fast staining.

Q P Code: 206014

Section B – Pathology

Marks: 50

Essay:

(10)

1. Define and classify shock. Describe the pathogenesis of septic shock.

Short notes:

(5x5=25)

2. Pathogenesis of gouty arthritis.
3. Diabetic nephropathy.
4. Lab diagnosis of AIDS.
5. Pathogenesis of atherosclerosis.
6. Metastasis.

Answer briefly:

(5x3=15)

7. CSF findings in pyogenic meningitis.
8. Four causes of hematuria.
9. List cardinal signs of inflammation.
10. Fallot's tetralogy- components.
11. What is necrosis. Explain the types

(New Scheme)

Reg. No.:.....

**Second Year BPT Degree Examinations - September 2014
(2012 Scheme)**

MICROBIOLOGY AND PATHOLOGY

Time: 3 hrs

Max marks: 140

- Answer all questions
- Write section A and section B in separate answer books(32 Pages).
Do not mix up questions from section A and section B.

Q P Code: 214014

Section A – Microbiology

Marks: 50

Essay:

(14)

1. Define sterilization. List the various physical methods of sterilization. Explain use of autoclave in detail

Short notes:

(2x8=16)

2. Enumerate the causes of pyrexia of unknown origin. Describe in detail pathogenesis and laboratory diagnosis of typhoid fever
3. Describe in detail pathogenesis and laboratory diagnosis of syphilis

Answer briefly:

(5x4=20)

4. Dermatophytes
5. Life cycle of malarial parasite
6. Polio vaccines
7. ELISA
8. Source of infection

Q P Code: 215014

Section B – Pathology

Marks: 50

Essay:

(14)

1. Define thrombosis. Discuss the pathogenesis and fate of thrombosis

Short notes:

(2x8=16)

2. Clinical features and laboratory diagnosis of iron deficiency anemia
3. Mention the types and morphological changes in shock

Answer briefly:

(5x4=20)

4. Gross and microscopy of ulcerative colitis
5. Gumma
6. Components of Fallots tetralogy
7. Bronchiectasis
8. Complications of diabetes mellitus
