

Applied Pathology & Microbiology

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

(Use separate answer booklet for Section A & B)

Section – A

Applied Pathology (50 Marks)

Q.P Code : AHS-114

LONG ESSAY

2 X 10 = 20 Marks

1. Classify hemolytic anemias, Etiopathogenesis and laboratory diagnosis of hemolytic anemia.
2. Define pneumoconiosis. Types of pneumoconiosis. Briefly write about asbestosis.

SHORT ESSAY (Answer any three)

3 X 5 = 15 Marks

3. Laboratory findings of iron deficiency anemia.
4. Chronic bronchitis
5. Differences between transudate and exudate
6. Leukemoid reaction
7. Causes and diagnosis of pulmonary congestion

SHORT ANSWERS (Answer any five)

5 X 3 = 15 Marks

8. Agranulocytosis
9. Peripheral smear findings in chronic myeloid leukemia
10. Clinical features of pulmonary edema
11. Bleeding time-list the different methods
12. Causes of neutrophilia
13. Causes of pleural effusion
14. List the laboratory tests to diagnose bleeding disorders

Section – B

Applied Microbiology (50 Marks)

Q.P Code : AHS-115

(Use separate answer booklet for Section-B)

LONG ESSAY

2 X 10 = 20 Marks

1. Define and classify disinfection. Write in detail about different methods, advantages & disadvantages of disinfection.
2. Discuss in detail nosocomial infections. Write about hospital infection control policy

SHORT ESSAY (Answer any three)

3 X 5 = 15 Marks

3. Clostridium difficile
4. Disinfection of patient care unit
5. Infection control measures for ICU's
6. Autoclave principle and function
7. Ventilator associated pneumonia

SHORT ANSWERS (Answer any five)

5 X 3 = 15 Marks

8. Formaldehyde fumigation
9. Catheter related blood stream infections
10. Kelsey sykes test
11. Gluteraldehyde
12. Catheter related urinary tract infections
13. Vancomycin resistant enterococci
14. MRSA

B.Sc. Allied Health Sciences Second Year (Semester-III)

Examination May-2013

B.Sc. Operation Theater Technology (OTT)

Time : 3 Hrs.

Paper – II

Max. Marks : 100]

Introduction to OT Technology

Q.P Code : AHS-116

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Discuss pre anaesthetic assessment monitoring. Induction, intubation, maintenance and reversal of anaesthesia
2. What are the precautions you will take while you are keeping the operation theatre ready for a HIV +VE patient to undergo laparotomy.

SHORT ESSAY (Answer any Ten)

10X 5 = 50 Marks

3. Suture materials.
4. Helping surgeons for wash up, holding out cap, mask, gown, and gloves and drape for operation.
5. Mechanical washing.
6. How do you set tray for appendicetomy.
7. Spino epidural anaesthesia.
8. What is nitrous oxide? Why is it used to give general anaesthesia?
9. Hot air oven.
10. Endo – tracheal tube.
11. Artificial ventilation.
12. Vascular scars wound management.
13. Sterility in operative rooms.
14. Inhalational agents.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

15. LM A
16. E T O gas sterilization
17. Auto clave
18. Sterilization of imago lamp
19. Wrapping and packing
20. U V treatment
21. Aldehyde group of disinfectants
22. Corrosion staining and rust deposit
23. Setting tray for in growing nail and foreign body
24. Care of the titanium instruments.
25. Tournique application
26. Swab count.

B.Sc. Allied Health Sciences Second Year (Semester-III)

Examination May-2013

B.Sc. Operation Theater Technology (OTT)

Time : 2.30 Hrs.

Paper - IV

Max. Marks : 80]

Medicine Relevant to OT Technology

Q.P Code : AHS-118

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Define hypertension. What is the general classification of hypertension? How you are going to diagnose peri operative myocardial infarction and management?
2. What are the anatomical and physiological changes in elderly patients? How to recognize and manage peri operative complications of elderly patients?

SHORT ESSAY (Answer any Six)

6X 5 = 30 Marks

3. Discuss in brief the etio patho genesis of Bronchial Asthma.
4. Peri operative complications and management of Ischemic heart disease patient.
5. Define Diabetes Mellitus, classification and clinical features of Diabetes Mellitus
6. Physiological changes in pregnancy.
7. Aetiopathogenesis of P.I.H.
8. Define Anaemia. Classification and clinical features of Anaemia.
9. Define COPD, etiopathogenesis and clinical features of COPD.
10. Define Obesity, classification and etiopathogenesis of Obesity.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

11. Peri operative complications of Diabetes Mellitus.
12. Hypertensive crisis
13. Prei operative complication of cesarean section.
14. Peri operative complication of anemic patient.
15. Peri operative complication of COPD.
16. How you are going to diagnose Ischemic heart disease.
17. Peri operative complications and treatment of obesity.
18. Peri operative complications and treatment of Bronchial Asthma.
19. Etio pathogenesis of Ischemic heart disease
20. Peri operative complications and treatment of hypertensive patient.
21. Peri operative complications of P.I.H patient.
22. Diabetic keto acidosis.

SRI DEVARAJ URS ACADEMY OF HIGHER EDUCATION & RESEARCH
(A DEEMED TO BE UNIVERSITY)

B.Sc. Allied Health Sciences Second Year (Semester-III)

Examination May-2013

B.Sc. Operation Theater Technology (OTT)

Time : 2.30 Hrs.

Paper - III

Max. Marks : 80]

Pharmacology

Q.P Code : AHS-117

Your answers should be specific to the questions asked.

Draw neat labelled diagrams wherever necessary.

LONG ESSAY

2 X 10 = 20 Marks

1. Enlist various routes of administration of drugs. Write the advantages and disadvantages of intravenous route of administration.
2. Classify general anaesthetics. Write the advantages and disadvantages of halothane.

SHORT ESSAY (Answer any Six)

6X 5 = 30 Marks

3. Nitrates.
4. Heparin.
5. Enalapril.
6. Plasma expanders.
7. Transdermal patches.
8. Techniques of local anaesthesia.
9. Therapeutic uses and adverse effects of atropine.
10. Therapeutic uses and adverse effects of succinyl choline.

SHORT ANSWERS (Answer any Ten)

10 X 3 = 30 Marks

11. Enlist two cardioselective beta blockers and one therapeutic use of it.
12. Enlist three drugs used in hypertensive emergencies.
13. Write the rationale of using lignocaine with adrenaline.
14. Mention three antiarrhythmic drugs.
15. Mention three differences between physostigmine and neostigmine.
16. Mention three drugs used in anaphylactic shock.
17. Define dissociative anaesthesia. Mention one drug which causes it.
18. Mention three intravenous general anaesthetic agents.
19. Mention three drugs used as pre-anaesthetic medication.
20. Define prodrug. Give two examples.
21. Define diuretic. Give two examples.
22. Mention three drugs administered by topical route.

* * *