Rajiv Gandhi University of Health Sciences, Karnataka II Year B.Sc. Nursing Degree Examination - 21-Jun-2023

Time: Three Hours

Max. Marks: 37 Marks

PATHOLOGY AND GENETICS (RS-2, RS-3, RS-4 & RS-5) O.P. Code: 1763

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. Answer All Questions

(Note: Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS

 $1 \times 10 = 10 \text{ Marks}$

1. Explain the types, Pathogenesis and clinical features of Pneumonia.

SHORT ESSAYS

3 x 5 = 15 Marks

- 2. Name the causes of cell Injury and mention the signs of Inflammation.
- 3. Explain the method of testing for Blood cell counts.
- 4. Explain the examinations done on urine.

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

- 5. Enlist four impacts of Genetic disorder on families.
- 6. Define consanguinity.
- 7. List the areas of assessment for developmental delay.
- 8. Define Oncogene.
- 9. List two Pediatric risk factors requiring genetic testing.
- 10. List four major works done by HGP (Human Genome Project).

Rajiv Gandhi University of Health Sciences, Karnataka II Year B.Sc. Nursing Degree Examination - 01-Mar-2023

Time: Three Hours

Max. Marks: 37 Marks

PATHOLOGY AND GENETICS (RS-2, RS-3, RS-4 & RS-5) Q.P. Code: 1763

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. Answer All Questions

(Note: Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS

 $1 \times 10 = 10$ Marks

1. Explain the etio-pathophysiology and clinical features of Rheumatic Heart Disease.

SHORT ESSAYS

 $3 \times 5 = 15 \text{ Marks}$

- 2. Explain the forms of cell adaptation after injury.
- 3. Explain the method of testing for Blood Group detection.
- 4. Explain the methods of collection of urine.

GENETICS (12 Marks)

SHORT ANSWERS

 $6 \times 2 = 12 \text{ Marks}$

- 5. Name the four phases of Mitosis.
- 6. Name four prenatal diagnostic measures.
- 7. Define Down's syndrome
- 8. Name any one inherited cancer and the respective gene responsible for it.
- 9. Name any two methods of Somatic Gene therapy.
- 10. Define Positive Eugenics.

Rajiv Gandhi University of Health Sciences, Karnataka II Year B.Sc. Nursing Degree Examination - 26-May-2022

Time: Three Hours

Max. Marks: 37 Marks

PATHOLOGY AND GENETICS (RS-2, RS-3, RS-4 & RS-5) Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary. Answer All Questions (Note: Both OP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS

1 x 10 = 10 Marks

What are the types of wound healing? Mention the factor affects wound healing. Enumerate healing by primary intention.

SHORT ESSAYS

3 x 5 = 15 Marks

- Morphology of renal carcinoma.
- Ca Stomach. Aetiopathogenesis and pathology. 3.
- Methods of collection of CSF and other body fluids. 4.

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

- Enlist four autosomal recessive disorders.
- 6. Define Karyo-typing.
- Four inborn errors of metabolism.
- 8. Define Infertility.
- Four maternal infections affecting the fetus. 9.
- 10. Genetic counselling.

Time: Three Hours

Max. Marks: 37 Marks

PATHOLOGY AND GENETICS (RS-2, RS-3 & RS-4) Q.P. Code: 1763

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. Answer All Questions

(Note: Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS

1 x 10 = 10 Marks

Explain the etio-pathophysiology and clinical features of Typhoid.

SHORT ESSAYS

3 x 5 = 15 Marks

- Write the differences between Transudate and Exudate.
- Name the sites of bone marrow aspiration and the cells observed in the aspirated sample.
- Name the examinations done on sputum with inferences.

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

- Name the types of Mutation.
- Define Spina Bifida.
- 7. Define Meiosis.
- 8. Name any two inborn hematological disorders.
- Name any two methods of Somatic Gene therapy.
- List two Pediatric risk factors requiring genetic testing.

Year B.Sc. Nursing Degree Examination - 29-Nov-2021

Time: Three Hours

Max. Marks: 37 Marks

PATHOLOGY AND GENETICS (RS-2, RS-3, RS-4 & RS-5) Q.P. Code: 1763

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary. Answer All Questions

[Note: Both OP Codes 1762 and 1763 are to be answered within total duration of 3 hours).

LONG ESSAYS

1 x 10 = 10 Marks

Explain the etio-pathology and the clinical features in Hepatitis.

SHORT ESSAYS

3 x 5 = 15 Marks

- Write the names of four major electrolytes in blood and their normal values.
- 3. Explain the method of testing for Haemoglobin using Sahli's Haemometer.
- 4. Explain the examinations done on pleural fluid with inferences,

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

- Enlist four causes of gene mutation.
- 6. Define Down's Syndrome.
- Define Mitosis.
- 8. Name two genetic disorders of Nervous System.
- 9. Name any two vectors used in gene therapy.
- 10. List two Adult risk factors requiring genetic testing.

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Rajiv Gandhi University of Health Sciences, Karnataka II Year B.Sc. Nursing Degree Examination - 27-Nov-2020

Time: Three Hours

Max. Marks: 37 Marks

PATHOLOGY AND GENETICS (RS-4) Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary. Answer All Questions (Note: Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS

1 x 10 = 10 Marks

Write the etio- pathological changes and clinical features in primary Tuberculosis.

SHORT ESSAYS

3 x 5 = 15 Marks

List the branches of Pathology and any four methods used in it.

Explain the method of testing for Haemoglobin using Sahli's Haemometer.

Name the sites of cerebrospinal fluid aspiration and the examinations done on 4 Cerebrospinal Fluid with inferences,

GENETICS (12 Marks)

SHORT ANSWERS

List four roles of Nurses in Genetics.

6 x 2 = 12 Marks

Name four maternal infections affecting the fetus, 6. WWW.FirstRaffiel.com

List four congenital disorders.

8. Define Apoptosis.

9. Define oncogene,

10. Define Genome,

Time: Three Hours

Max. Marks: 37 Marks

PATHOLOGY AND GENETICS (RS2, RS3 & RS4) Q.P. Code: 1763

Your answers should be specific to the questions asked.

Draw near labeled diagrams wherever necessary, Answer All Questions

(Note: Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS

1 x 10 = 10 Marks

Differentiate between Gastric and Duodenal Ulcers.

SHORT ESSAYS

3 x 5 = 15 Marks

List the types and pathophysiology of oedema.

List the Serological tests. Mention the diseases related to them.

Explain the examinations done on semen and list the abnormalities observed.

GENETICS (12 Marks)

SHORT ANSWERS

Define Mutation.

6 x 2 = 12 Marks

Define spontaneous abortion.
 List the areas of assessment for genetic abnormalities.

Name any two inborn disorders of amino acid metabolism.

9. List four major works done by HGP (Human Genome Project).

10. Define Eugenics.

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Rajiv Gandhi University of Health Sciences, Karnataka II Year B.Sc. Nursing Degree Examination - OCT-2019

Time: Three Hours

Max. Marks: 37 Marks

PATHOLOGY AND GENETICS (RS2, RS3 & RS4) Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary. Answer All Questions (Note: Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS

1 x 10 = 10 Marks

Write the etiology, pathological changes and clinical features in Bronchial Asthma.

SHORT ESSAYS

3 x 5 = 15 Marks

Explain the stages of wound healing.

Explain the method of testing for Bleeding and Clotting time.

Explain the examinations done on sputum with inferences.

GENETICS (12 Marks)

SHORT ANSWERS

Define Mitosis.

6 x 2 = 12 Marks

Name four drugs having harmful effects on foetus. List four assessments done for motor development.

Define spina bifida.

Name any two vectors used in gene therapy. When First Ranker

10. Define Eugenics.

Rajiv Gandhi University of Health Sciences, Karnataka II Year B.Sc. Nursing Degree Examination - APRIL-2019

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics

Q.P. Code: 1763

(RS2 Batch 2007-2008) & (RS3 & RS4 Batch 2008-2009 Onwards)

Your answers should be specific to the questions asked.

Draw neat labeled diagrams wherever necessary

(Note: Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

1 x 10 = 10 Marks

- What is wound healing? Describe the stages and factors effecting wound healing.
- Describe the etiopathology and complications of tuberculosis.

SHORT ESSAYS (Answer any three)

3 x 5 = 15 Marks

- Peptic ulcer.
- Blood grouping.
- Semen analysis.
- Benign and malignant tumors.

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

- What is Trisomy? Give two examples.
- 8. What is Infertility?
- Goals of Human genome project.
- 10. Define chromosomal aberrations,
- Name any three clinical features Huntington's disease.
- Define genetic counselling and two steps taken during the process.

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II Year B.Sc. Nursing Degree Examination - SEP-2018

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics O.P. Code: 1763

(RSZ Batch 2007-2008) & (RS3 & RS4 Batch 2008-2009 Onwards) Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary

(Note: Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

 $1 \times 10 = 10 \text{ Marks}$

- Mention the methods of collection of Cerebrospinal Fluid and laboratory tests used in analysis.
- Define and classify Cirrhosis. Write morphology of Alcoholic Cirrhosis.

SHORT ESSAYS (Answer any three)

 $3 \times 5 = 15 \text{ Marks}$

- 3. Wound healing.
- 4. Pathophysiology of thrombosis.
- Metastasis
- Bronchiectasis.

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

- Mention any four abnormalities of Edward's Syndrome.
- Give four examples for Autosomal recessive disorder.
- 9. Mention karyotypic pattern in Turner's syndrome.
- Mention four chromosomal structural abnormalities. 10.
- Mention four chromosomal banding techniques. 11.
- 12. Lyon Hypothesis.

II Year B.Sc. Nursing Degree Examination - APRIL-2018

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary (Note: Both OP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

 $1 \times 10 = 10 \text{ Marks}$

- Discuss cutaneous wound healing by first intention. Mention local and systemic factors that influence wound healing. Enumerate the complications of the same.
- Discuss the etiology and pathogenesis of rheumatic heart disease...

SHORT ESSAYS (Answer any three)

3 x 5 = 15 Marks

- 3. Describe Benign prostatic hyperplasia
- 4. Explain the etiology and pathogenesis of bronchogenic carcinoma
- 5. Describe the Acute payogenic meningitis
- 6. Explain about Infective endocarditis

GENETICS (12 Marks)

SHORT ANSWERS

 $6 \times 2 = 12 \text{ Marks}$

- 7. Define Infertility
- 8. Define Karyotyping
- 9. What is Mutation
- Factors responsible for chromosomal aberrations
- Clinical features of Turner's syndrome 11.
- 12. Name the various procedures of prenatal diagnosis

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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Nursing Degree Examination - APRIL 2017

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary (Note: Both OP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

 $I \times 10 = 10 \text{ Marks}$

- Discuss the difference between benign and malignant growth.
- Explain in detail the process of wound healing.

SHORT ESSAYS (Answer any three)

 $3 \times 5 = 15 \text{ Marks}$

- Explain etiopathogenesis of Primary tuberculosis.
- Describe about Bronchial asthma.
- 5. Explain about the Peptic ulcer.
- Explain Transfusion reaction.

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

- Name the types of chromosomes depending upon the placement of centromere.
- Mention any four characteristics of Autosomal recessive disorders.
- Define Barr body.
- 10. Application of recombinant DNA technology
- 11. Clinical features of Down's syndrome
- 12. Role of nurse in genetic counseling.

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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Nursing Degree Examination - SEP-2017

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary (Note: Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

1 x 10 = 10 Marks

- 1. Define Thrombosis. Explain its causes and mechanism of formation of intravascular thrombus
- How do the tumours spread in the body? Explain the differences between being and malignant neoplasms

SHORT ESSAYS (Answer any three)

 $3 \times 5 = 15$ Marks

- Describe wound healing
- 4. Explain etiopathology of renal calculi
- Describe Lung abscess
- 6. How will you collect urine for routine examination culture, biological tests?

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

- Mention any four structural chromosomal aberrations
- 8. List out any four causes of congenital anomalies
- Types of neural tube defects
- 10. Define Mutation
- 11. Define Eugenics
- Mention four ethical issues in the role of nurse in genetic counseling

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Rajiv Gandhi University of Health Sciences, Larnataka

II Year B.Sc. Nursing Degree Examination - SEP 2016

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary (Note: Both OP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

 $1 \times 10 = 10 \text{ Marks}$

- Define inflammation, enumerate the cardinal signs of inflammation and describe the vascular changes in acute inflammation
- Explain indetail the etiopathogenesis of Tuberculosis

SHORT ESSAYS (Answer any three)

 $3 \times 5 = 15 \text{ Marks}$

- 3. Differentiate between Benign and Malignant growths.
- 4. Describe Pathology of Rheumatic heart disease.
- 5 Explain about Blood grouping.
- Describe the etiopathogenesis of Embolism. 6.

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

- 7. Mention any four trisomies.
- 8. List down four characteristics of Autosomal dominant inheritance
- 9. Name any four inborn errors of metabolism
- 10. Name any four prenatal diagnostic tests
- 11 Define Gene therapy
- 12. Mention any four clinical manifestations of Turners syndrome

II Year B.Sc. Nursing Degree Examination - October 2015

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary (Note: Both OP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

I x 10 - 10 Marks

Discuss the differences between benign and malignant tumours.

Discuss etiology, morphology and complications of peptic ulcer.

SHORT ESSAYS (Answer any three)

Enumerate about Ancurisms

3 x 5 = 15 Marks

6 x 2 = 12 Marks

4. Describe Bone healing

5. Describe Haemoglobin estimation

Explain the etiopathogenesis of Primary tuberculosis

GENETICS (12 Marks)

SHORT ANSWERS

Mention any four prenatal diagnostic tests. 7.

Role of nurse in genetic counseling 8:

Structure of the chromosome

Define Karyotyping 1 10.

11. List any four Autosomal abnormalities

12 Define Infertility

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II Year B.Sc. Nursing Degree Examination - APRIL - 2015

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary (Note: Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

 $1 \times 10 = 10 \text{ Marks}$

- Define inflammation. Describe cellular events in acute inflammation.
- Discuss etiology, pathogenesis and morphology of carcinoma cervix.

SHORT ESSAYS (Answer any three)

 $3 \times 5 = 15 \text{ Marks}$

- Etiopathogenesis of thromboembolism
- Describe Osteoporosis
- Explain Bronchiectasis
- Describe Semen analysis

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

- Define Mutation
- What is Gene therapy
- Disorders of chromosome structure
- Types of genes
- 11. Define Spontaneous abortion
- 12. Mention four characteristics of Down syndrome

II Year B.Sc. Nursing Degree Examination - September 2014

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary (Note: Both OP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

 $1 \times 10 = 10 \text{ Marks}$

- Define inflammation. Discuss the cellular events of inflammation.
- Discuss the etiology of community acquired acute pneumonia. Write in brief morphology of lobar pneumonia. Mention its complications.

SHORT ESSAYS (Answer any three)

3 x 5 = 15 Marks

- Difference between benign and malignant growth
- Describe Bronchiectasis
- 5. Pathology of cirrhosis of liver
- Explain about CSF analysis

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

- Mention four Sex linked inheritance disorders.
- Mention four Prenatal diagnostic tests.
- Discuss the disorders of chromosomal number.
- Define Turner's syndrome.
- 11. Define Sex chromatin.
- List four causes of Spontaneous abortion.

II Year B.Sc. Nursing Degree Examination - April 2014

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever neces (Note: Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

 $1 \times 10 = 10 \text{ Marks}$

- Define cirrhosis of liver. Explain etiopathogenesis of cirrhosis of liver
- Describe pathology and complications of peptic ulcer

SHORT ESSAYS (Answer any three)

 $3 \times 5 = 15 \text{ Marks}$

- 3. Inflammation
- 4. Pneumonia
- Urine culture and sensitivity
- Breast Cancer

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

- Iso chromosome
- Mention four characteristics of sex linked recessive inheritance 8.
- 9 Mention four prenatal diagnostic tests
- 10. Genetic counseling
- Genetic counseling
 Mention any four causes of Congenital anomalies
 Pheylketonuria 11
- 12. Pheylketonuria

II Year B.Sc. Nursing Degree Examination - Aug 2013

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary (Note: Both OP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

 $1 \times 10 = 10 \text{ Marks}$

- 1. Define acoplasm. Discuss different pathways of spread of a malignant tumor.
- Define peptic ulcer. Discuss the pathogenesis and morphology.

SHORT ESSAYS (Answer any three)

3 x 5 = 15 Marks

- Pathophysiology of edema
- 4. Aortic meurysms
- Renal calculi
- 6. Blood grouping and cross matching

GENETICS (12 Marks)

SHORT ANSWERS

6 x 2 = 12 Marks

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- 7. Spontaneous abortion
- 8. Clinical features of Klinefelter's syndrome
- 9. Ammiocentesis
- 10. Methods of transfer of gene in gene therapy
- 11 Name single gene disorders
- 12. Legal and ethical issues in genetic counseling

II Year B.Sc. Nursing Degree Examination - Mar 2013

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics O.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary (Note: Both QP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

 $1 \times 10 = 10 \text{ Marks}$

- Define oedema. Discuss pathogenesis of renal edema.
- 2. Discuss etiopathogenesis and morphology of pyogenic osteomyelitis.

SHORT ESSAYS (Answer any three)

 $3 \times 5 = 15 \text{ Marks}$

- Atrophy
- Differentiate between Benign and malignant tumors.
- Bleeding time & clotting time
- Factors affecting wound healing

GENETICS (12 Marks)

SHORT ANSWERS

 $6 \times 2 = 12 \text{ Marks}$

- Prenatal testing and diagnosis
- Down syndrome (Trisomy 21)
- Sickle cell anaemia
- Autosomal recessive disorders
- Sex chromosome
- Tumour suppressor genes

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Rajiv Gandhi University of Health Sciences, Karnataka

II Year B.Sc. Nursing Degree Examination - Sep 2012

Time: 3 Hours

Max. Marks: 37 Marks

Pathology & Genetics Q.P. Code: 1763

Your answers should be specific to the questions asked. Draw neat labeled diagrams wherever necessary (Note: Both OP Codes 1762 and 1763 are to be answered within total duration of 3 hours)

LONG ESSAYS (Answer any one)

 $1 \times 10 = 10 \text{ Marks}$

- Mention the blood collection methods for pathology, biochemistry and microbiology tests
- 2. Discuss the etiopathogenesis and complications of rheumatic heart diseases

SHORT ESSAYS (Answer any three)

 $3 \times 5 = 15$ Marks

- Bone healing
- Cryptorchidism
- 5. Methods of blood grouping and cross matching
- Lung abscess

GENETICS (12 Marks)

6 x 2 = 12 Marks

- SHORT ANSWERS
 - What is trisomy. Give two examples
 - 8. Mention four autosomal recessive disorders
 - 9. What is Lyon hypothesis
- 10. What is co dominance. Give 2 examples
- 11. Mention four abnormalities in Turner's syndrome
- Goals of Human genome project