



SRI Y.N. COLLEGE (Autonomous)

(Affiliated to Adikavi Nannaya University) Trice accredited by NAAC with 'A' Grade

Recognized by UGC as College with Potential for Excellence

NARASAPUR – 534 275

Syllabus – II Year PARA MEDICAL TECHNOLOGY

Semester – IV

PATHOLOGY – 1 (Theory) – Paper - 4

UNIT – 1

URINE ANALYSIS :-

Introduction, Collection of samples, physical examination, chemical examination, Microscopical examination.

UNIT - 2

SPUTUM ANALYSIS :-

Introduction, Physical examination, preparation of sputum smear, staining of sputum smear, mounting of sputum smear, microscopic examination of sputum.

UNIT - 3

SEMEN ANALYSIS :-

Introduction, Collection of Semen, Physical Examination, Microscopic Examination of Semen.

UNIT - 4

BODY FLUIDS :-

Introduction, Peritoneal fluid, Pericardial fluid, Pleural fluid, cerebrospinal fluid.

UNIT - 5

DISPOSAL OF HOSPITAL WASTE :-

Introduction, Classification of Hospital waste, Disposal of cotton swabs, Disposal of blood and body fluids, Disposal of syringes and Needles, Disposal of Urine.

REFERENCE BOOKS :-

Text Book of Pathology – Dr. M.Ramulu & C.Premchand.

PRACTICALS OF PATHOLOGY – 1

1. Physical Examination of Urine.
2. Chemical Examination of Urine.
3. Physical Examination of Sputum.
4. Staining of Sputum Smear.
5. Microscopical examination of sputum smear.
6. Physical Examination of Semen.
7. Disposal of syringes and Needles.
8. Classification of Hospital waste.



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II YEAR PARAMEDICAL TECHNOLOGY

Semester – IV

PATHOLOGY – 1 - PAPER - 4

NOTE: Question Bank: Examiners are requested to choose questions from Question Bank.

SHORT ANSWER TYPE QUESTIONS :-

1. Define microscopic examination of urine
2. Types of urine samples
3. Bile pigments
4. Preparation of sputum Smear
5. Methods of staining of sputum smear
6. Physical examination of sputum
7. Microscopic examination of semen
8. Determination of morphology of sperm
9. Physical examination of semen
10. Pleural fluid
11. Peritoneal fluid
12. Cerebrospinal fluid
13. Classification of Hospital waste.
14. Disposal of cotton and swabs
15. Disposal of Blood
16. Disposal of Urine
17. Disposal of Syringes and needles.

LONG ANSWER TYPE QUESTIONS :-

1. Mention the different types of casts in urine.
2. Write notes on physical examination of urine.
3. Write about the Benedict's Qualitative test and Feulings tests of urine.
4. Write briefly about the chemical examination of urine by strip method.
5. Write down the physical examination of sputum.
6. How will examine sputum smear microscopically.
7. Explain about the ziehl neelson cold staining method.
8. How will you examine different parameters of a semen by physical examination.
9. Write notes on microscopic examination of semen.
10. Explain about the determination of morphology and sperm count.
11. Explain about the pericardial fluid.
12. Explain in detail about pleural fluid.
13. Write notes on peritoneal fluid.
14. Write notes on cerebrospinal fluid.
15. Write the classification of hospital waste and explain about it in detail.
16. Explain about the disposal of cotton and swabs.
17. Write notes on disposal of blood.
18. Write notes on disposal of syringes needles and urine.



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II YEAR PARAMEDICAL TECHNOLOGY

Semester – IV

Pathology – 1 Paper – 4

Time : 3 Hrs.

Max. Marks : 75

PART - I

Answer any Five of the following.

Draw a neat labeled diagram whenever necessary.

5 x 5 = 25M

1. Bile Pigments.
2. Types of Urine samples.
3. Physical examination of sputum.
4. Preparation of sputum smear.
5. Physical examination of smear.
6. Determination of morphology of sperm.
7. Cerebrospinal fluid.
8. Classification of Hospital waste.

PART – II

Answer Five Questions choosing at least TWO Question from each section A&B.

Draw a neat labeled diagram whenever necessary.

5 x 10 = 50M

SECTION - A

9. Write notes on physical examination of urine.
10. Mention the different types of casts in urine.
11. Explain about the Ziehl nelson cold staining method.
12. Write down the physical examination of sputum.
13. Explain about the determination of morphology and sperm count.

SECTION - B

14. Write notes on microscopic examination of semen.
15. Explain in detail about Pleural fluid.
16. Write notes on Cerebrospinal fluid.
17. Write the Classification of hospital waste and explain about it in detail
18. Explain about the disposal of cotton and swabs.

BLUE PRINT :

PAPER 4 BLUE PRINT FOR QUESTION PAPER SETTERS

Unit No. & Name	Essay Questions 10 Marks	Short Answers 5 Marks	Marks allocated the
<u>UNIT – 1</u> Urine Analysis	02	01	25
<u>UNIT – 2</u> Sputum Analysis	02	02	30
<u>UNIT – 3</u> Semen Analysis	02	01	25
<u>UNIT – 4</u> Body fluids	02	01	25
<u>UNIT – 5</u> Disposal of Hospital Waste	02	01	25