



SRI Y.N. COLLEGE (Autonomous)

(Affiliated to Acharya N. R. Murthy University) **Recognized & cited by NAA with A grade**

Recognized by UCC as College with Potential for excellence

NARASAPUR — 534.275

1st Year Para Medical Courses

Semester — I

Syllabus — Human Anatomy & Physiology (Paper — 1)

UNIT-I

THE HUMAN BODY AS A WHOLE : Definitions, Subdivisions of Anatomy, Positions and Fundamental Planes, Dorsal Cavity and Ventral Cavity.

TISSUE : Types, Structure, Location **and** function of Epithelial tissue, Connective tissue, Muscle tissue, Nerve tissue, Glandular tissue, Active and Passive Transport. Muscular Skeletal System.

UNIT-III:

Digestive System : Basic anatomy of Alimentary Canal, Liver, Gall bladder, Pancreas and Physiology of Digestion.

Respiratory System : Basic anatomy of nose, larynx, trachea, bronchi, lungs, Physiology of respiration.

UNIT-V

Circulatory System: Basic anatomy of Blood, Arteries, Veins, Capillaries, structure and function of Heart, Cardiac cycle, Blood pressure, mechanism of circulation.

Nervous System: Structure of Brain, Cranial nerves, Spinal nerves, ANS. reflex arc, Sympathetic nervous system.

UNIT-VI

EXCRETORY SYSTEM: Basic anatomy of kidney, Ureter, Urinary bladder and Urethra, physiology of excretion.

Reproductive System: Basic anatomy of Testis and Ovary

PRACTICAL FOR HUMAN ANATOMY:

1. Demonstration of Digestive System from Model
2. Demonstration of Respiratory System from Model
3. Demonstration of Nervous System from Model
4. Demonstration of Circulatory System from Model.
5. Demonstration of Excretory System from Model
6. Determination of Blood Groups
7. Blood pressure recording
8. Demonstration of ECG

HISTOLOGY

General Slides :

1. Epithelial Tissue
2. Skeletal and Cardiac Muscle
3. Elastic Cartilage
4. T.S. of Bone

Systemic Slides :

1. Liver, Stomach, Small intestine
2. Lungs, Trachea
3. Kidney
4. Uterus
5. Ovary
6. Testis

Permanent Slides :

1. Connective Tissue - Blood.
2. Nervous tissue.
3. Pancreas

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SRI Y.N. COLLEGE (Autonomous)

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NARASAPUR — S.34 275

Department of Zoology

SEMESTER — I

PARAMÉÉICAL SCIENCE PAPER-I

HUMAN ANATOMY & PHYSIOLOGY



Time: 3 Hrs.

Max.Marks 75

SECTION — 1

An.swer any FIVE of the following. Dmw a labeled diagram wherever necessary. 5 X 5 = 25

1. Fundamental Planes — kWd L
2. Nerve tissue — wJ deaes•mo
3. Pancreas — JKM
4. Pulmonary function — @k JW
5. Blood pressure — fiJ udio
6. Reflex Arch — An d m
7. Anatomy of Kidney — @fioNo D °§m m
8. Ovary —

SECTION — 2

Answer any FIVE questions. Choosing at least two questions from Section A & B. Draw a suitable labeled diagram wherever necessary. 5 x 10 = 50

SECTION QA

9. Describe the sUb -divisions of Anatomy.
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10. Describe the types Of Epithelial tisSUC.
ఉపకళా కణజాలము రకములు వివరింపుము.

11. Describe the process of Digestion in Mammals.

12. Describe the transport of Oxygen and Carbon dioxide

13. Describe the structure and working of the Human (Mammalian) Heart.

14. Describe the structure and working of the Human (Mammalian) Heart.

15. Describe the structure of human kidney.

16. Describe the process of removal of nitrogenous waste products in Human.

17. Write a detailed account on sympathetic nervous system.

1a. Describe the structure of Male reproductive system.

SECTION - B

[Signature]

5. I. Srinivasarajulu

6. R. Srinivasarajulu

3. *[Signature]*

7.

4. K. Srinivasarajulu

8. *[Signature]*

BLUE PM

Under Section — 1: 8 questions from unit 1, 2, 3, 4, 5, 6, 7 & 8

Under Section — 2: Section A-5 questions from unit 1, 2, 3 & 4

Section B-5 questions from unit 5, 6, 7 & 8

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NARSAPUR - 534

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(Affiliated to Andhra University)

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Recognized by UGC as College with Potential for Excellence

NARASAPUR — 534 275

Department of Zoology

SEMESTER — I

PARAMEDICAL SCIENCE PAPER-I

HUMAN ANATOMY & PHYSIOLOGY

PRACTICAL MODEL QUESTION PAPER

Time: 3 Hrs.

Max.Marks: 50

- | | |
|---|--------------|
| 1. Determine the Blood groups and write the procedure. | 10 + 5 = 15M |
| 2. Identify, draw and comment on the given spotters.
A, B, C, D, & E | 5 x 4 = 20 M |
| 3. Record and Field Note Book | 10 + 5 = 15M |
| Total: | <u>50M</u> |

2.

3. 

4. Dr. Uthe Devi

5. Dr. Suryanarayana Raju

7. S. Krishnakumar

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

SHORT ANSWER TYPE QUESTIONS:

1. Fundamental Planes — J@W8 fiJ
2. Body Cavities — 980 FROM
3. Body Positions — t6d / HN wWo8eo
4. Macro Anatomy — సూల శరీర నిర్మాణ శాస్త్రము
5. Muscle Tissue — కండర
6. Nerve Tissue — నాడీ కణజాలము
7. Functions of Epithelial Tissue — ఉపకళా కణజాలము విధులు
8. Connective Tissue — సంయోజక కణజాలము
9. Pancreas — క్లోమం
10. Role of Stomach — జీర్ణాశయము యొక్క పాత్ర
11. Liver — కాలేయము
12. Types of Teeth — దంతాలు రకాలు
13. Structure of Tooth — దంత నిర్మాణము
14. Lungs — ఊపిరితిత్తులు
15. Trachea — వాయునాళము
16. Anatomy of Nose — నాసికము యొక్క అంతః నిర్మాణము
17. Pulmonary Function — పుపుస క్రియ
18. Blood Pressure — రక్త ఒత్తిడి శక్తి



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2. I tñ8cribe fltC l'uiid<mci tal >l<nas and f4uman body positions.

1. Idescribe the types of Epithelial tissue.

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4. Describe the types of Connective tissue.

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5. Describe the process of Digestion in Mammals.

ft. What is digestive system? Explain the physiology of digestion that takes place in the stomach and duodcaum.

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7. Describe the transport of oxygen and carbon dioxide in Humans.

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It. What is respiration† Describe t*e process of respiration in Human.

9. Describe the structure of Kidney.

10. Describe the focess Of excretion in Humans.

11. i) * * * * * removal of nitrogenous waste products. మానవునిలో నత్ర సబంధ వ్యర్థపదార్థముల విసర్జన విధానమును వివరింపుము.
12. Describe the structure and working of the Human Heart. మానవ హృదయ నిర్మాణమును మరియు పనిచేయు విధానమును వివరింపుము.
13. Describe the internal circulation of the Human Heart. మానవ హృదయ ద్వితీయ ప్రసరణ గూర్చి వివరింపుము.
14. Differentiate between Artery and Vein. ధమనులు మరియు సిరలు మధ్య తేడములు వివరింపుము.
15. Write a detailed account on sympathetic Nervous system. భూత (సింపాథటిక్) నాడీ వ్యవస్థ గూర్చి విపులంగా వివరింపుము.
16. Describe the structure of Human Brain. మానవ మెదడు నిర్మాణమును వివరింపుము.
17. What are Reflex arch? Give few examples of Reflex arch and write a detailed account on Reflex arch. నేమి? ప్రతీకార చర్యలకు కొన్ని ఉదాహరణలు తెల్పి, ప్రతీకార చర్యల గూర్చి విపులంగా వివరింపుము.
18. Describe the Nervous system in mammal. క్షీరద నాడీ వ్యవస్థను గూర్చి వివరింపుము.
19. Describe the male reproductive system in Humans. పురుష వ్యవస్థ నిర్మాణమును వివరింపుము.
20. Describe the female reproductive system in Humans. స్త్రీ వ్యవస్థను గూర్చి వివరింపుము.

1. AMH

2.

3. Ramesh

4. H. K. Reddy

Ramesh

Pravara
H. K. Reddy

Q\$ROVED

AMH

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