


Scheme of Examination by the University:

University examinations are to be designed with a view to ascertain whether the candidate has acquired the necessary knowledge, minimal level of skills, ethical and professional values with clear concepts of the fundamentals which are necessary for him/her to function effectively and appropriately as a physician of first contact. Assessment shall be carried out on an objective basis to the extent possible.

Nature of questions will include different types such as structured essays Long Answer Questions (LAQ), Problem based question (PBQ), Short Answers Questions (SAQ) and Multiple- Choice Questions (MCQ). Marks for each part should be indicated separately. MCQs shall be accorded a weightage of not more than 20% of the total theory marks. In subjects that have two papers, the learner must secure at least 40% marks in each of the papers with minimum 50% of marks in aggregate (both papers together) to pass.

Practical/clinical examinations will be conducted in the laboratories or hospital wards. The objective will be to assess proficiency and skills to conduct experiments, interpret data and form logical conclusion. Clinical cases kept in the examination must be common conditions that the learner may encounter as a physician of first contact in the community. Selection of rare syndromes and disorders as examination cases is to be discouraged. Emphasis should be on candidate's capability to elicit history, demonstrate physical signs, write a case record, analyze the case and develop a management plan.

Viva/oral examination should assess approach to patient management, emergencies, attitude in all, ethical and professional values. Candidate's skill in interpretation of common investigative data, X rays, identification of specimens, ECG, etc. is to be also assessed.


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There shall be one main examination in an academic year and a supplementary to be held not later than 90 days after the declaration of the results of the main examination

The details of the University examinations (theory & Practical) as notified by the Dr NTR University of Health Sciences are detailed in the following pages. These details include the structure and weightage of their question paper; the structure and weightage of the practical examination components.

A. Theory: (out of 80 marks)

a. Anatomy

Theory	Max Marks	Topics (marks weightage out of 80)
Paper I	80	General Anatomy (5); General Histology (5); General Embryology (5); Upper Limb (25); Head & Neck (25); Neuro Anatomy (15)
Paper II	80	Systemic Histology (5); Systemic Embryology (5); Genetics (5); Lower Limb (25); Abdomen & Pelvis (25); Thorax (15).
Total	160	

b. Physiology

Theory	Max Marks	Topics (marks weightage out of 80)
Paper I	80	General Physiology (4); Hematology (16); Cardiovascular Physiology (20); Respiratory Physiology (16); Gastrointestinal Physiology (12); Renal Physiology (12).

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Paper II	80	Nerve and Muscle Physiology (12); Endocrine physiology (16); Reproductive physiology (12); Central nervous system (28); Special senses (8); Integrated Physiology (1).
Total	160	

Biochemistry

Theory	Max Marks	Topics (marks weightage out of 80)
Paper I	80	Enzymes (6); Biological Oxidation (6); Digestion and absorption (2); Detoxification (2); Carbohydrate chemistry and metabolism (14); Vitamins (13); Free Radicals and Antioxidants (2); Nutrition (6); Lipid chemistry and metabolism (13); Heme metabolism (8); Organ Function tests (6); Integration of metabolism and homeostasis (2).
Paper II	80	Protein chemistry and metabolism (12); Mineral metabolism (12); Nucleic acid chemistry and metabolism (6); Molecular Biology (13); Hormones (4); Extracellular matrix (4); Plasma proteins (5); Immunology (4); Cell and organelles, Cell membrane, Transport across cell membranes (2); Cancer (6); Acid-Base balance and water- Electrolyte balance (12).
Total	160	

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General Outline of the theory paper:

Type of Question(s)	Marks for each	Total No. Questions	Total
Structured Essay Questions (Long Answer Questions) LAQ	15	2	30
Short Answer Questions SAQ	5	8	40
Problem based Short Answer question	5	2	10
Total			80

P. G. S.
30/5/23