

B.Sc. MEDICAL RECORD SCIENCE
(New Syllabus 2015-2016 & 2018-2019)

FIRST YEAR

**PAPER I – BASIC SCIENCES (ANATOMY, PHYSIOLOGY, MICROBIOLOGY,
BIOCHEMISTRY, PHARMACOLOGY AND FORENSIC MEDICINE)**

Q.P. Code: 801731

Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on:

(3 x 10 = 30)

1. What are the parts of the heart? Describe the functions.
2. Classifications of Vitamins.
3. Medico – Legal aspects of poisoning.

II. Write notes on:

(8 x 5 = 40)

1. Draw and Label a neat diagram of Skin.
2. General and Local Anaesthetics.
3. Functions of Protein.
4. Disinfectants Vs Antiseptics.
5. Coagulation of Blood.
6. Drugs acting on Autonomic Nervous System.
7. Inquest.
8. AIDS.

III. Short answers on:

(10 x 3 = 30)

1. Name three diseases caused by bacteria.
2. Nerve supply of the Eye.
3. Insulin.
4. Blood supply of the Heart.
5. Differences between Small Intestine and Large Intestine.
6. Narcotics.
7. Phases of Menstrual Cycle.
8. Functions of Pancreas.
9. Uses of Fingerprint.
10. Abrasions.

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BIOCHEMISTRY, PHARMACOLOGY AND FORENSIC MEDICINE)**

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Time: Three Hours

Maximum: 100 Marks

Answer all questions

I. Elaborate on: **(3 x 10 = 30)**

1. Name the Pituitary hormones and its functions on target organs.
2. Draw a neat diagram of Animal cell. Mention the functions of Cell Organelles.
3. Classification of Bone.

II. Write notes on: **(8 x 5 = 40)**

1. Drowning.
2. Draw and Label a neat diagram of Heart.
3. Drug Addiction.
4. Chemotherapy.
5. Functions of Skin.
6. Oral Rehydration Solution.
7. Name the parts of Nervous System and its functions.
8. Functions of Water.

III. Short answers on: **(10 x 3 = 30)**

1. Wound Certificate.
2. Classification of Muscle Tissue.
3. Essential Amino acid.
4. Name the foods rich in Protein.
5. Name the Auditory Ossicles.
6. Fertilization.
7. Name any three Antibiotics.
8. Balanced Diet.
9. Name the Salivary Glands.
10. Draw and Label a diagram of Tooth.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0321]

MARCH 2021

Sub. Code: 1731

(AUGUST 2020 EXAM SESSION)

B.Sc. MEDICAL RECORD SCIENCE

FIRST YEAR (Regulations 2015-2016 & 2018-2019)

**PAPER I – BASIC SCIENCES (ANATOMY, PHYSIOLOGY, MICROBIOLOGY,
BIOCHEMISTRY, PHARMACOLOGY AND FORENSIC MEDICINE)**

Q.P. Code : 801731

Time: Three hours

Answer ALL Questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Medico – Legal Autopsy.
2. Describe the classification of the Microorganisms.
3. Describe the Composition and Functions of Blood.

II. Write notes on:

(8 x 5 = 40)

1. Food Poisoning.
2. Describe the Various Routes of Drug Administration.
3. Hanging.
4. Diuretics.
5. Draw and Label a neat diagram of Kidney.
6. Classification of Carbohydrates.
7. Mechanism of Respiration.
8. Cerebrospinal fluid.

III. Short answers on:

(10 x 3 = 30)

1. Road Traffic Accident.
2. Name three Viruses.
3. Name the organs of special sense.
4. Antipyretics.
5. Valves of the Heart.
6. Functions of the Cerebellum.
7. Parts of the Respiratory system.
8. Antihistamines.
9. Functions of the Stomach.
10. Taste buds.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0422]

APRIL 2022

Sub. Code: 1731

(FEBRUARY 2021 & AUGUST 2021 EXAM SESSIONS)

B.Sc. MEDICAL RECORD SCIENCE

FIRST YEAR (Regulations 2015-2016 & 2018-2019)

PAPER I –BASIC SCIENCES

**(ANATOMY, PHYSIOLOGY, MICROBIOLOGY, BIOCHEMISTRY,
PHARMACOLOGY & FORENSIC MEDICINE)**

Q.P. Code: 801731

Time: Three Hours

Answer All questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Draw & label a neat diagram of Kidney. Add a note on its features.
2. Classification of Joints with suitable examples. Add a note on Shoulder Joint.
3. Draw & label a neat diagram of Gastro Intestinal tract.

II. Write notes on:

(8 x 5 = 40)

1. Salivary Glands.
2. Diabetes Mellitus.
3. Neuron.
4. Inflammation.
5. Balanced Diet.
6. Hanging.
7. Functions of Blood.
8. Fat soluble Vitamins.

III. Short answers on:

(10 x 3 = 30)

1. Name any 3 Cranial Nerves.
2. Blood pressure.
3. Local Anaesthesia.
4. Pituitary Gland.
5. Valves of the Heart.
6. Goiter.
7. Menopause.
8. Functions of Cerebellum.
9. Patella.
10. Oral Rehydration Therapy.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1122]

NOVEMBER 2022

Sub. Code: 1731

B.Sc. MEDICAL RECORD SCIENCE

FIRST YEAR (Regulations 2015-2016 & 2018-2019)

**PAPER I – BASIC SCIENCES (ANATOMY, PHYSIOLOGY, MICROBIOLOGY,
BIOCHEMISTRY, PHARMACOLOGY & FORENSIC MEDICINE)**

Q.P. Code: 801731

Time: Three Hours

Answer All questions

Maximum: 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Draw and label a neat diagram of Heart. Add a note on its features.
2. Name the Endocrine Glands. Add a note on its secretions and its functions.
3. Draw and label a neat diagram of Nephron. Add a note on formation of urine.

II. Write notes on:

(8 x 5 = 40)

1. Food Poisoning.
2. Nosocomial Infection.
3. Functions of Skin.
4. Asphyxial death.
5. Vitamin B complex.
6. Anticoagulants.
7. Classification of Organism.
8. Drug Addiction.

III. Short answers on:

(10 x 3 = 30)

1. Stomach.
2. Meninges.
3. Anti Histamine.
4. Road Traffic Accident.
5. Functions of Bile.
6. Hypertension.
7. Insulin.
8. Acromegaly.
9. Carpal Bones.
10. Biceps Brachii.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0423]

APRIL 2023

Sub. Code: 1731

B.Sc. MEDICAL RECORD SCIENCE

FIRST YEAR (Regulations 2015-2016 & 2018-2019 onwards)

**PAPER I – BASIC SCIENCES (ANATOMY, PHYSIOLOGY, MICROBIOLOGY,
BIOCHEMISTRY, PHARMACOLOGY & FORENSIC MEDICINE)**

Q. P. Code: 801731

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

I. Elaborate on: (3 x 10 = 30)

1. Draw a neat diagram of Skin and write its functions.
2. Write the classification of Bones with examples.
3. Write components and functions of Blood.

II. Write notes on: (8 x 5 = 40)

1. Define Hanging and explain its types.
2. Anti-coagulants.
3. Difference between Benign and Malignant Tumors.
4. Draw and Label a neat diagram of Brain.
5. Nephron.
6. Needle – prick injury.
7. Food Poisoning.
8. Classification of Tumors.

III. Short answers on: (10 x 3 = 30)

1. Pancreatic Enzymes.
2. Rape.
3. Phagocytosis.
4. Functions of Brain.
5. Drowning.
6. Anti-Pyretics.
7. Allergy.
8. Pleura.
9. Features of Long Bone.
10. Muscle Tissue.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1123]

NOVEMBER 2023

Sub. Code: 1731

B.Sc. MEDICAL RECORD SCIENCE

FIRST YEAR (Regulations 2015-2016 & 2018-2019 onwards)

**PAPER I – BASIC SCIENCES (ANATOMY, PHYSIOLOGY, MICROBIOLOGY,
BIOCHEMISTRY, PHARMACOLOGY & FORENSIC MEDICINE)**

Q. P. Code: 801731

Time: Three hours

Maximum : 100 Marks

Answer ALL Questions

I. Elaborate on: (3 x 10 = 30)

1. Explain in detail the anatomy of heart with suitable diagram and add a note on blood supply to heart.
2. Name the Pituitary hormones and explain their functions. Add a note on Dwarfism.
3. Define Immunity; list the various types of Immunity. Add a note on Hypersensitivity reactions.

II. Write notes on: (8 x 5 = 40)

1. Enumerate the Water soluble vitamins and add a note on Thiamine.
2. Functions of blood and plasma
3. Verbal autopsy.
4. Food poisoning.
5. Adrenal gland.
6. Lung function tests.
7. Synovial joint.
8. Drug addiction.

III. Short answers on: (10 x 3 = 30)

1. Stages of Inflammation.
2. Diuretics.
3. Gall bladder.
4. Anaphylaxis.
5. Tetany.
6. BCG vaccine.
7. List out the mechanical event of cardiac cycle.
8. Functions of Pancreas.
9. Composition of CSF.
10. Disinfection.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 0424]

APRIL 2024

Sub. Code: 1731

B.Sc. MEDICAL RECORD SCIENCE

FIRST YEAR (Regulations 2015-2016 & 2018-2019 onwards)

**PAPER I – BASIC SCIENCES (ANATOMY, PHYSIOLOGY, MICROBIOLOGY,
BIOCHEMISTRY, PHARMACOLOGY & FORENSIC MEDICINE)**

Q. P. Code: 801731

Time: Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Draw a neat diagram of Lungs. Add a note on Mechanism of Respiration.
2. Write the Classification of Bones with suitable examples.
3. Write a note on Components and Functions of Blood.

II. Write notes on:

(8 x 5 = 40)

1. Human cell.
2. Vitamin – C.
3. Wound Certificate.
4. Nephron.
5. Classification of Tumors.
6. Medico Legal autopsy.
7. Types of Tissue.
8. Chemotherapy.

III. Short answers on:

(10 x 3 = 30)

1. Antipyretic.
2. Lobes of the Liver.
3. Functions of the Brain.
4. Phagocytosis.
5. Beriberi.
6. Inquest.
7. Anemia.
8. Functions of Spleen.
9. Allergy.
10. Deltoid.

THE TAMIL NADU DR. M.G.R. MEDICAL UNIVERSITY

[AHS 1125]

NOVEMBER 2025

Sub. Code: 1731

B.Sc. MEDICAL RECORD SCIENCE

FIRST YEAR (Regulations 2015-2016 & 2018-2019 onwards)

**PAPER I – BASIC SCIENCES (ANATOMY, PHYSIOLOGY, MICROBIOLOGY,
BIOCHEMISTRY, PHARMACOLOGY & FORENSIC MEDICINE)**

Q. P. Code: 801731

Time: Three hours

Answer ALL Questions

Maximum : 100 Marks

I. Elaborate on:

(3 x 10 = 30)

1. Name the parts of the Digestive systems. Explain the steps of digestion in the Small intestine.
2. Classify Tumours according to the sites of Origin. Enumerate the causative factors and mode of spread of Tumours.
3. Describe various Blood groups. Add a note on Transfusion reactions.

II. Write notes on:

(8 x 5 = 40)

1. Fat Soluble Vitamins.
2. Lab investigations for diabetes.
3. Rape.
4. Drowning.
5. Salivary gland.
6. Composition of blood.
7. Shoulder joint.
8. Antibodies.

III. Short answers on:

(10 x 3 = 30)

1. Renal function tests.
2. Antihistamines.
3. Haemoglobin.
4. Deworming.
5. Functions of Lymph.
6. Rabies vaccine.
7. ECG.
8. Plasma proteins.
9. Functions of Eustachian tube.
10. Asphyxia.
