

ORDINANCE No. 36

DIPLOMA EXAMINATION UNDER THE FACULTY OF MEDICINE GENERAL RULES:

The diploma shall be conferred after the candidate has undergone the specified training and passed the examination (Written, Viva, Practical and Clinical). The Examination will be held twice a year in the month of April and November.

SUBJECTS OF AWARD :

1. Diploma in Embryology (D.E.)
2. Diploma in Clinical Pathology (D.C.P.)
3. Diploma in Public Health (D.P.H.)
4. Diploma in Gynaecology and Obstetrics (D.G.O.)
5. Diploma in Laryngology and Otology (D.L.O.)
6. Diploma in Anaesthesia (D.A.)
7. Diploma in Child Health (D.C.H.)
8. Diploma in medical Radiology and Electrotherapy (D.M.R.D.)
9. Diploma in Tuberculosis (D.T.C.I.)
10. Diploma in Ophthalmic Medicine & Surgery (D.O.M.S.)
11. Diploma in Orthopaedics (D. Orth.)
12. Diploma in Venereology and Dermatology (D.V. & D.)
13. Diploma in Cardiology (D.Card)

ELIGIBILITY

(a) Academic Qualifications:-

A candidate for the above diploma must be either -

- (i) an M.B.B.S. of this University or
- (ii) an M.B.B.S. of any other University recognised by the University and Medical Council of India for the purpose.

OTHER REQUIREMENTS:-

A candidate, who is an M.B.B.S. of at least one year's standing of the University or any other University incorporated by any law in force for the time being recognised by the Medical Council of India after full registration may be admitted for a diploma a course in Embryology, Clinical Pathology, Public Health, Gynaecology and Obstetrics, Laryngology and Otology, Anaesthesia, Child Health, Medical Radiology, and Electrotherapy,

Tuberculosis, Ophthalmic Medicine and Surgery, Orthopaedics Veneriology and Dermatology and Cardiology by A college under the Faculty of Medicine, Provided that students registered for M.D. or M.S. Course may appear at a Diploma Examination in the subject related to their M.D. or M.S. course during the session of their study.

Provided further that for the different diploma courses in Clinical subjects the candidate should have held an appointment as house staff or Resident or Demonstrator in his concerned speciality in a hospital attached to a teaching Institution recognised by this University or any other Hospital recognised by this University for the purpose for one year, or should have had a total of two years professional experience in his subject of specialization.

Provided further that for the Diploma in Tuberculosis House appointment may be held in the department of specialty concerned or in the department of medicine or Surgery for a period of one year and for the Diploma in Medical Radiology and Electrolgy House appointment may be held in any of the clinical departments for one year.

for Diploma in Embryology the candidate should be an M.B.B.S. of at least one year's standing of this University or any other University incorporated by law in force and recognised by the Medical Council of India.

OR

The candidate should have passed not less than 2 years previously the examination of M.Sc. in Zoology of this University or any other University, Which is recognised for this purpose.

OR

Has held a teaching job in the capacity of not lower than a Demonstrator in Anatomy in a recognised Medical College for a period of at least one academic year; or has held a teaching job in the capacity of not lower than a Demonstrator in Zoology in a recognised College for at least one year after getting the degree of M.Sc. in Zoology.

For Diploma in Clinical Pathology, the candidate should have held a job of a resident pathologist or a demonstrator in the Department of Pathology of a Medical College or a Hospital recognised by this or any other University for eligibility for registration. He will have to work in the Medical College Hospital, Raipur during the entire period of study.

APPLICATIONS -

The application for registration should reach the Registrar, Ravishankar University, Raipur through the Dean on a prescribed form accompanied by a certificate stating that the candidate is eligible for appearing in the Diploma.

EXAMINATION -

(a) Application Forms - The application forms shall be submitted by a prescribed date and the examination will be held in the month of April every year excepting in the case of failures who can re-appear in the month of November. Application form will be accompanied by certificate from the head of the institution stating the fulfillment of the conditions laid down under eligibility.

(b) The procedure for appointment of examiner will be the same as for M.D. and M.S.

SCHEME OF EXAMINATIONS

Scheme of Theory and Practical Examinations.

DIPLOMA IN EMBRYOLOGY

Paper I : General Embryology, Comparative Vertebrate Embryology and Histogenesis, Experimental Embryology including the Techniques of Embryology.

Paper II : Organe-genesis, Applied Embryology, including malformations, Recent Advances.

Viva and Laboratory work in the various aspect of the subject.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Practical and Laboratory work	150	75
Grand Total	400	200

DIPLOMA IN CLINICAL PATHOLOGY

Paper I : Bacteriology, Serology and Chemical Pathology.

Paper II : Morbid Anatomy, Histopathology and Clinical Pathology.

Viva and Practical in various compartments of the subjects.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Practical and Laboratory work	150	75

Grand Total	400	200
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DIPLOMA IN PUBLIC HEALTH

There will be two examinations in a year-one in October and one in April in Parts I and II respectively.

A candidate will not be allowed to appear in Part II Examination unless he has passed Part I Examination.

Examination in Part I will consist of two papers and Part II of the papers, viva and practical in the various compartments of the subject.

PART I

Paper I: Chemistry in relation to Public Health, Nutrition and Physiological Hygiene.

Paper II: Microbiology including Bacteriology Immunology Rickettsias, Medical Entomology, Protozoology and Helminthology.

Practical : Viva and Practical in the different sections of the subjects.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	50
Viva and Practical	100	50
Paper II	100	50
Viva And Practical	100	50
Grand Total	400	200

PART II

Paper I : Public Health Administration, Laws and Vital Statistics.

Paper II : Epidemiology.

Paper III : Hygiene and Sanitation including Public Health Engineering, Practical and Viva in the various compartments of the subjects.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	50
Viva and Practical	100	50
Paper II	100	50
Viva and Practical	100	50
Paper III	100	50

Viva And Practical	100	50
Grand Total	600	300

DIPLOMA IN GYNAECOLOGY AND OBSTETRICS

There will be two examinations in a year-one in the month of October and the other in April in Part I and II respectively. A candidate will not be allowed to appear in Part II examination unless he has passed Part I examination.

Each examination will consist of two papers, clinical and practical and viva-voce.

PART I

Paper I: Anatomy and Embryology of Female Pelvis including soft parts and generative organs.

Paper II: Physiology and Pathology of the Female generative organs, morbid histology and Bacteriology concerning Obstetrics and Gynaecology.

Practical : Viva and Practical in various compartments of the subject.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Practical	150	75
Grand Total	400	200

PART II

Paper I : Obstetrics including obstetrics operation, diseases of the new born and family planning.

Paper II : Gynaecology and Social Health Center Organisation.

Practical : Viva, Clinical and Practical in the different compartments of the subjects.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Practical	150	75

Grand Total	400	200
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DIPLOMA IN LARYNGOLOGY AND OTOTOLOGY

This will consist of the following:

Paper I: Anatomy, Physiology, Pharmacology in relation to Anaesthesia.

Paper II: Anaesthesia and Analgesiaits History, Theory and Practice.

Practical: Viva, and Practical in various compartments of the subject.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Practical	150	75
Grand Total	400	200

DIPLOMA IN CHILD HEALTH

This will consist of the following:-

Paper I: Anatomy and Physiology of Childhood, Neonatal Pediatrics Growth and Dentition, Nutrition, Preventive and Social Pediatrics.

Paper II : Diseases of Infancy and Childhood including Pathology and Bacteriology, Psychological Disorders, Recent Advances in Paediatrics, Surgical Diseases including Ocular diseases, Infancy and Childhood their drug therapy and management.

Practical : Viva, Clinical and Practical in the various compartments of the subject.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Practical	150	75
Grand Total	400	200

DIPLOMA IN MEDICAL RADIOLOGY AND ELECTROTHERAPY

There will be two examinations in a year-one in the end of the October and the other in April.

A candidate will not be allowed to appear in Part II examination unless he passes Part I examination. Each examination will consist of two Papers, Viva and Practical.

PART I

Paper I : Electro-magnetism and Electric Technology, Current Electricity, Electro-Magnetic, Induction and Electric Techniques.

Paper II : Electro-Magnetic Radiations, Elements of Radioactivity and Radioactive Isotopes.

Practical : Viva and Practical in various compartments of the subject.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Practical	150	75
Grand Total	400	200

PART II

Paper I: Radiography and Radio-diagnosis.

Paper II: Radiography.

Practical : Viva and Practical in the various compartments of the subject.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Practical	150	75

Grand Total	400	200
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DIPLOMA IN TUBERCULOSIS

- Paper I: Social Medicine, Epidemiology, Pathology and Bacteriology, Anatomy, Physiology and Pharmacology in relation to tuberculosis.
- Paper II: Medical Tuberculosis and Surgery in relation to tuberculosis.
- Practical : Viva-Clinical, Practical and Laboratory work in the various compartments of the subject.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Clinical, Practical and Laboratory work	150	75
Grand Total	400	200

DIPLOMA IN OPHTHALMIC MEDICINE AND SURGERY

This will consist of the following:

- Paper I: Anatomy, Physiology, Embryology and Optics, Bacteriology and Pathology of the Eye.
- Paper II: Ophthalmic Medicine and Surgery relation of Ophthalmology to General Medicine.
- Practical : Viva, Clinical, Practical including darkroom examination, Pathological specimens, instruments and appliances.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Practical	150	75
Grand Total	400	200

DIPLOMA IN ORTHOPAEDICS

The examinations shall consist of the following:

- Paper I: Anatomy, Physiology, Pharmacology and Pathology pertaining to the Locomotor system,

Paper II: Diseases of the Locomotor system, Rehabilitation. Physiotherapy and Recent advances.

Practical : Viva, Clinical and Practical work on the Various compartments of the subject.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Clinical and Practical	150	75
Grand Total	400	200

DIPLOMA IN VENERIOLOGY AND DERMATOLOGY

This will consist of the following:

Paper I : Anatomy, Physiology, Pathology, Bacteriology and Mycology of Skin.

Paper II : Venereal and Skin Diseases. Leprosy in its dermatological aspects and recent advances in the treatment of Skin diseases.

Practical : Viva, Clinical and Practical work on the Various compartments of the subject.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Practical	150	75
Grand Total	400	200

DIPLOMA IN CARDIOLOGY

The Examination shall be written, oral and practical.

(a) The written examination shall consist of two papers viz. :-

Paper I (a) : Anatomy, and developmental Physiology, Biochemistry, Pathology, Pharmacology in relation to cardiovascular diseases, preventive and social epidemiological aspect.

Marks 100

Paper II : Diseases and Therapeutics of cardiovascular system cardiovascular surgery, recent advances in cardiovascular surgery cardiovascular diseases in relation to systematic diseases and other specialties and rehabilitation.

Marks 100

- (b) Oral 50 Marks
(c) Clinical and Practical 100 Marks 100 Marks

X-Ray

F.C.G. & graphic Records

1. Long case and
2. Short cases.

Transitory Provision - The repealed Ordinance relating to Diploma examination shall remain effective till the examinations of 1974, and this new Ordinance shall be applicable for the examination of 1975.

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DIPLOMA IN ANAESTHESIOLOGY

This will consist of the following :-

Paper I : Anatomy, Physiology, Pharmacology in relation to Anaesthesia.

Paper II : Anaesthesia and Analgesia its History, Theory and Practice.

Practical : Viva and Practical in the various compartments of the subject.

	<u>Max. Marks</u>	<u>Min. Pass Marks</u>
Paper I	100	
Paper II	100	125
Viva	50	
Practical including Instruments	150	75
Grand Total	400	200

DIPLOMA IN EMBRYOLOGY

1. A candidates for the above diploma course must be either (a) and M.B.B.S. from this University or (b) an M.B.B.S. of any other University, who is a teacher in any of the Medical Colleges under the University, or (d) has passed not less than 2 years previously the examination of M.Sc. in Zoology of this University or any other University, which in recognised for this purpose.

2. A candidate who is an M.B.B.S. of at least one year's standing of this University or any other University incorporated by law in force recognised by the Medical Council of India may be admitted to this diploma course.

3. Students registered for M.S. Anatomy course may appear in this diploma examination during the session of their study.

4. The candidates should have experience of one Year's standing in the Department as demonstrator.

APPLICATION -

The application for registration should reach the Registrar, Ravishankar University through proper channel on a prescribed form accompanied by a certificate, stating that candidate is eligible to appear.

COURSE OF STUDY -

Training will be imparted in the following subjects. :-

- (a) General Embryology including Genetics, Heredity, Environments and Phylogeny.
- (b) Organogenesis.
- (c) Comparative vertebrate embryology.
- (d) Experimental Embryology
- (e) Chemical Embryology
- (f) Tissue culture and other embryological techniques.
- (g) Recent advances in embryology.
- (h) Applied embryology including abnormalities and congenital anomalies.

LECTURES AND DEMONSTRATION

On general and systemic embryology.	30 lectures.
Special lectures on applied aspect covering Medical, Surgical, Obstetrical. Gynaecological Paediatric aspects.	10 lectures
Chemical and experiment embryology	5 lectures.
Tissue culture	2 lectures.

Recent advances

3 lectures.

50 Lectures.

PRACTICAL CLASSES

- (a) Laboratory work entailing the preparation and whole mount of chick and pig embryos of various developmental stages.
- (b) Embedding, serial sectioning, mounting and staining of other available animal material.
- (c) Acknowledge of the different histological techniques and staining methods used for embryological work.
- (d) Demonstration and practicals of wax, paper and plastic reconstruction methods.
- (e) Tissue culture.
- (f) Study of certain special techniques used for embryology

DIPLOMA IN CLINICAL PATHOLOGY DISTRIBUTION OF TOPICS IN PAPERS

Paper I : Bacteriology, Serology and Chemical Pathology.

Paper II : Morbid Anatomy Histopathology and Clinical Pathology.

Viva and Practical in various compartments of the subjects.

COURSE OF STUDY -

Training will be imparted in the following subjects -

1. Clinical Pathology.
2. Chemical Pathology.
3. Bacteriology and Serology.
4. Histopathology.

The course will consist of the Lectures, Demonstration and Practical work in the Department of Pathology for one academic year.

1. Lectures - A minimum of 30 lectures shall be delivered on topics pertaining to special and advanced techniques, interpretation of results and fallacies to cover all the subsections of pathology and bacteriology.
2. Practical Training - The candidate shall actually work in various section of the department such as clinical pathology, chemical pathology, bacteriology and serology, histopathology and

blood bank, during which period he shall acquire practical experience and technical skill in the execution of various tests.

The above will cover the subjects specified below -

CLINICAL PATHOLOGY -

1. All haematological techniques.
2. Urine analysis with quantitative estimations of abnormal constituents.
3. Coprology.
4. Sputum and Seminal fluid Examinations.

CHEMICAL PATHOLOGY-

1. Estimation of Blood Constituents like sugar, urea, calcium etc.
2. Analysis of gastric and duodenal contents.
3. Liver function tests.
4. Renal function tests.

BACTERIOLOGY AND SEROLOGY -

Practical training in this section shall include knowledge of collection and forwarding of specimens for bacteriological examination.

1. Sterilisation of glassware.
2. Preparation of culture media.
3. Practice of routine and special staining techniques.
4. Techniques of cultivation of aerobic and anaerobic microorganisms and use of proper culture media, Identification of the organisms.
5. Care of laboratory animals.
6. Animal experiments and autopsy.
6. Animal experiments and autopsy.
7. Dark ground examination of the discharges.
8. Serological tests in syphilis, salmonellosis rickettsias.
9. Assay and sensitivity tests of antibiotics.
10. Preparation and standardisation of vaccines.
11. Special biological tests -

- (a) Friedman's test.
- (b) Aschiem Zondek Test.

HISTO-PATHOLOGY -

1. Training in preparation of paraffin blocks, cutting sections, staining and interpreting.
2. Frozen section-techniques.
3. Mounting of specimens.
4. Interpretation of routine surgical pathological slides.

DIPLOMA IN PUBLIC HEALTH

Course of study - The training will be imparted in the following subjects in two parts during one academic year. One of this, three and half months will be devoted for Part I and remaining period for Part II.

PART I

- (i) Bacteriology - This shall include the study of bacterial preparation, standardisation, storage and use of prephylactic vaccines, methods of disinfection and standardisation of disinfections Bacteriology of water milk and edible substances Bacteriology of air, dust, soil and sewage.
- (ii) Immunology and Serology - Serological test and preparation standardisation and used of antisera.
- (iii) Filterable - Viruses and Rickettias.
- (iv) Protozoology and Halminthology.
- (v) Medical Entomology - Including classification of animal kindgom, study of insects transmitting diseases, and poison apparatus of snakes and other venemous animals.
- (vi) Public Health Chemistry - Including principles and methods of analysis, volumetric and gravimetric.
- (vii) Nutrition - Including problems of nutrition in public health, field experiments in nutrition, analysis of diets and detection of deficiency.
- (viii) Physiological Hygiene - Including phenomenon of Life, Environment-climate. urgon, rural and social sex, hygiene, population problems, family planning, industrial psychology, problems of locomotion, industrial hazards and assessment of fitness. The course will consist of Lecture Demonstration.

Practical and Field Work as detailed below -

Bacteriology and allied subjects - 200 hours.

Public Health Chemistry.

Nutrition and Physiological - 160 hours.

Hygiene Attendance in the Clinical.

Practice of Infections Disease -

Hospital of Ward - 60 hours.

Field Work - As per requirement.

PART II

- (i) Public Health Administration - Including organisation Sanitary laws ; legislation ; school health ; industrial health ; social insurance ; social medicine maternal and child health ; and hospital construction and administration including infections diseases.
- (ii) Epidemiology and Biometrics - General epidemiology including experimental epidemiology, Special epidemiology, Vital Statistics, Biometry.
- (iii) Sanitary Engineering, Construction and Planning. The course will consist of Lecture demonstrations practicals and field work as detailed below :-

Attendance for at least 80 hours each in the following subjects :-

- 1. Principle of Public Health and Sanitation.
- 2. Epidemiology.
- 3. Statistical Methods and Vital Statistics.
- 4. Sanitary Law and Administration.
- 5. Sanitary Engineering Construction and planning practical training in Malaria - 30 Hours.

DIPLOMA IN GYNAECOLOGY AND OBSTETRICS (D.G.O.)

COURSE OF STUDIES -

The course will consist of lectures, demonstrations and clinical clerkship in the Department of obstetrics and Gyaecology for one academic year. Training will be imparted in following subjects :-

	<u>Lect.</u>	<u>Demons.</u>	<u>Cl. Postings</u>
1. Anatomy and Embryology of the the female pelvis including soft parts.	4	4
2. Physiology and 4	4

	endocrinology of the female reproductive system.			
3.	Obstetrics & Gynaecology including Physiology and Pathology of pregnancy, labour and puerperiam.			
4.	Diseases of the female genital organs-including pathology	40	24	4 Months
5.	Operative Obstetrics and Gynaecology	..	10	3 Months
6.	Preventive Obstetric and Gynaecology posting at antenatal, postnatal and family planning clinics and primary health centre.	1 Month
7.	Neonate physiology and diseases	2	2	1 Month
Total		50	40	9 Months

DIPLOMA IN OTORHINOLANYNGOLOGY

COURSE OF STUDY -

The training will be imparted in the following subjects :-

- (i) Anatomy and Embryology of ear, nose and throat.
- (ii) Physiology of ear, nose and throat.
- (iii) Pathology and bacteriology of the ear, nose and throat.
- (iv) Medicine and Surgery of the ear, nose and throat.
- (v) Operative Surgery of the ear, nose and throat.
- (vi) Relation of Otolaryngology to general medicine and surgery.

The course will consist of lecture demonstration and clinical clerkship in the department of Laryngology and Otology for one academic year.

LECTURE DEMONSTRATION -

- (i) Applied Anatomy including Embryology.
- (ii) Applied Physiology.
- (iii) Applied Pathology and Bacteriology.
- (iv) Otolaryngologic Medicine and Surgery classes including clinical lectures.

DIPLOMA IN ANAESTHESIOLOGY

The training will be imparted in the following subjects :-

1. Anatomical and Physiological considerations in relationship to Anaesthesia.
2. Pharmacology and Elementary Chemistry of Drugs used for and in association with different types of Anaesthesia.
3. Principles of Physics applied to Anaesthesia.
4. History of Anaesthesia.
5. Theory and Practics of Anaesthesia and Analgesia.
7. Oxygen Therapy and Fluid balance in Anaesthetic practics.
8. Pre-operative investigation, preparation and medication, the recognition of post-operative complications and their treatment in so far as they are related to anaesthesia.
9. Aspects of Internal Medicine as related to Anaesthesia.
10. Principals and Methods of resuscitation and artificial.
11. Role of anaesthetist in the management of patients suffering from poisonings, coma, poliomyelitis, tetanus etc.
12. Eedico-legal aspe.

The course will consist of lecture-demonstration and work in the Department of Anaesthesia for one academic year.

LECTURE-DEMONSTRATION -

- (a) Human Anatomy in relation to Anaesthesia.
- (b) Physiology in relation to Anaesthesia.
- (c) Pharmacology and Elementary Chemistry of Drugs used for and in association with Anaesthesia.
- (d) Principles of Physics in relation to Anaesthesia and Anaesthetic Machines.
- (e) History, Theory and Practics of Anaesthesia and Analgesia in relation to Medical and Surgical conditions.
- (f) Principles and Methods of Resuscitation and treatment of coma, poisonings and cases of respiratory insufficiency.
- (g) Aspects of internal medicine as related to Anaesthesia.
- (h) Medico-legal aspects of Anaesthesia.

PRACTICAL -

A properly supervised record of administration of different types of Anaesthesia on 50 occasions including atleast 200 major surgical procedures.

DIPLOMA IN CHILD HEALTH

COURSE OF STUDY -

Training will be imparted in the following subject -

- (i) Anatomy and Physiology of Childhood.
- (ii) Pharmacology of drugs used in Paediatric conditions Pathology and Bacteriology in relation to paediatrics.
- (iii) Prematurity.
- (iv) Diseases and abnormalities of the newborn.
- (v) Growth and Dentition.
- (vi) Infant Nutrition.
- (vii) Diseases of gastro-Intestinal, circulatory, respiratory, nervous and haemopoetic systems genitourinary tract, ductless glands; psychological disorders, specific fevers, common diseases of the skin.
- (viii) Common disease of the eye.
- (ix) Surgical diseases of Infancy and childhood including E.N.T.
- (x) School Health.
- (xi) Preventive and Social Paediatrics.

The course will consist of lectures, demonstrations and clinical clerkship in the Department of Paediatrics for one academic year.

LECTURES (INCLUDING CLINICAL LECTURES) -

General Paediatrics (Including Pathology)	50
Paediatric Surgery	15
Applied Anatomy, Physiology and Pharmacology	15
Psychological Disorders	10

DEMONSTRATION AND FIELD WORK -

Child Welfare Centre	20
Child Guidance Clinic	10
School Health	5

DIPLOMA IN MEDICAL RADIOLOGY AND ELECTROTHERAPY**COURSES OF STUDY -**

The training will be imparted in the following subjects in two parts during one academic year.

PART-I

- (i) Electro-Magnetism and Electric Technology.
- (ii) Current Electricity.
- (iii) Electron-Magnetic Induction.
- (iv) Electric Technics.
- (v) Electro-Magnetic Radiations.
- (vi) Elements of Radio activity.
- (vii) Radio-active Isotopes.

The course will consist of lecture-demonstrations and Practical work.

Lecture-demonstration	40
Practical	10

PART-II

- (i) Radiography and Radio Diagnosis.
- (ii) Radiotherapy.

The course will consist of lecture-demonstration and Practical.

Lecture-demonstration	60
Practicals	60

DIPLOMA IN TUBERCULOSIS**COURSE OF STUDY -**

Training will be imparted in the following subjects -

- (i) Pulmonary Tuberculosis-its character, diagnosis, complications and treatment.
- (ii) Pulmonary Tuberculosis - Its administrative and preventive aspects (Social aspects).
- (iii) Non-Pulmonary tuberculosis, including, tuberculosis of the lymphatic glands, bones, joints, internal organs skin and organs of special senses - their character, diagnosis, complications and treatment.

- (iv) Epidemiology, Pathology and Bacteriology.
- (v) Anatomy of thorax, lungs including the Bronchopulmonary system etc. in relation to tuberculosis.
- (vi) Physiology, Applied.
- (vii) Pharmacology, applied.

The course will consist of lecture-demonstrations, laboratory work and Clinical Clerkship in Tuberculosis, Clinic or Hospital attached to the college for one academic year.

LECTURES -

Pulmonary tuberculosis	50
Non-pulmonary tuberculosis	30
Epidemiology and Bacteriology	15
Anatomy of Thorax etc. in relation to tuberculosis	5
Applied Physiology	6
Applied Pharmacology	4
Demonstration	30

DIPLOMA IN OPHTHALMIC MEDICINE AND SURGERY

COURSE OF STUDY -

The training will be imparted in the following subjects :

Anatomy of the Eye and adnexa, Embryology, Physiology Pharmacology, Pathology, Optics, Refraction, Radiology, Ophthalmic Medicine and Surgery, Operative Surgery and Relation of Ophthalmology to General Medicine, and Prevention of Blindness.

The course will consist of the lecture-demonstration and practical work in the Department of Ophthalmology for one academic year.

LECTURE OF DEMONSTRATIONS -

1. Anatomy of the Eye and Adnexa	6
2. Embryology	2
3. Physiology	4
4. Parmacology	4
5. Pathology	8
6. Optics Refraction	10

7.	Radiology		3
8.	Ophthalmic medicine and Surgery	}	60
9.	Operative Surgery		
10.	Relation of Ophthalmology to General Medicine.		

Ward rounds, clinical meetings once a week symposium once a month dark room demonstration and use of optical instruments will be arranged by the department. Classes in the basic subjects will deal with the applied aspects of the subjects.

SCHEME OF EXAMINATION

Written Examination -

<u>Subject</u>	<u>Paper</u>	<u>Max. Marks</u>	<u>Mini. Marks</u>
Basic Sciences	I	100	50
Applied to Ophthalmology Ophthalmic Medicine and Surgery	II	100	50
Ophthalmology in relation to general medicine including prevention of Blindness	III	100	50
Clinical Oral And Practical Examination :			
Clinical		100	50
Oral and Practical instruments, Dark room etc.		100	50

DIPLOMA IN ORTHOPAEDICS

COURSE OF STUDY -

Training will be imparted in the following subjects -

- (i) The anatomy and Physiology of the Locomotor system.
- (ii) The deformities and diseases of the Locomotor system.
- (iii) Injuries of the locomotor system.
- (iv) Physiotherapy in relation to treatment of Orthopaedics.
- (v) Rehabilitation and occupational Therapy.
- (vi) Recent advances in the diseases of the Locomotor system.

The course shall consist of Lecture-demonstrations and clinical work in the department for one academic year.

LECTURE DEMONSTRATIONS -

Anatomy of the Locomotory system.	10
Physiology of the Locomotor system.	5
Pharmacology of drugs used in Orthopaedic surgery	3
Pathology pertaining to the Locomotor system.	10
Deformities, diseases and injuries of the Locomotory system.	30
Physiotherapy, Rehabilitation and Occupational Therapy.	5

DIPLOMA IN VENEROCLOGY AND DERMATOLOGY COURSE OF STUDY -

Training will be imparted in the following subjects -

1. Anatomy and Physiology,
2. Haematology, Pathology, Bacteriology and Mycology related to the subject.
3. Venereal Diseases as a social problem.
4. Diseases of skin and its appendages.
5. Leprosy in its dermatological aspects.
6. Recent advance in skin diseases.
7. Recent advances in the therapy of skin and venereal diseases.

The course will consist of lecture-demonstrations and clinical clerkship in the department of skin and V.D. for one academic year as well as practical Laboratory Cytological work in the skin and V.D. as well as Pathology Department.

LECTURE DEMONSTRATIONS -

Anatomy	4
Physiology	4
Pathology, Bacteriology and Mycology of skin	10
Veneral Disease.	15
Skin Diseases	25
Leprosy and recent advances	5
Recent advances in Pharmacology of skin and V.D.	5
Social Problems in skin and V.D.	5

DIPLOMA IN CARDIOLOGY**COURSE OF STUDIES:**

The course will consist of the lectures, demonstration and practical classes in the Department of Cardiology for one academic year. It will include ward rounds, posting in the wards, conducting cardiology out-patient, attending cardiac emergencies, clinical meetings once a week (in collaboration with Thoracic, surgical and vascular surgical unit), Symposia one in two months Demonstration and use of cardiac instruments will be arranged by the Department. Classes on the basis subject will deal with the applied aspects of the subjects.

1.	Anatomy and embryology	5
2.	Applied Physiology and Biochemistry	5
3.	Pharmacology and applied therapeutics	5
	Pathology and Bacteriology	5
	Radiology and Radiological anatomy	5
	Clinical cardiology	40
	Clinical cardiology	10
	Cardio-vascular surgery	5
4.	Cardiology Laboratory techniques :	
	Interpretation of various graphic techniques	25
	Electrocardiograph	
	Phonocardiograph	
	Ballistochoardiograph	
	Vector pressure and Circulation time	
	Pholobogram and arteriogram	
	Cardiac Catheterisation	
	Angiocardiograph	
	Laboratory investigations	5
	Social and Field work	5
	Prevention and Rehabilitation	5
