Name of Deptt. Physiology	
S.No.	Topic
1	General Physiology
2	Blood
3	Muscle & Nerve
4	Cardio Vascular system
5	Autonomic Nervous system
6	Special Senses
7	Digestive System
8	Excretory system
9	Body temperature and functions of skin
10	Endocrinology
11	Reproduction
12	Respiratary system
13	Central Nervous system

Practical

1	Study of student microscope
2	Enumeration of red blood cells
3	Enumeration of White blood cells
4	Determination of Haemoglbin
5	Determination of blood group
6	Determination of bleeding time and clotting time
7	Determination of packed cell volume and erythrocyte sedimentations rate
8	Differential leucoyte counts
9	Examination of pulse
10	Recording of blood pressure
11	Determination of vital capacity and timed vital capacity
12	Electrocardiography / ECG recording
13	Clinical examination of CVS and repiratory system

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DEPARTMENT OF BIOCHEMISTRY

DATE :-

THEORY

TOPIC	TOPIC COVERED (YES/NO)
Carbohydrates	
Lipids	
Proteins and amino acids	
Nucleic acids and nucleotides	
Enzymes	
Plasma proteins	
Biological oxidation	
Acid-base balance	
Regulation of blood glucose	
Diabetes mellitus	
Cancer	
Metabolism of carbohydrates	
DNA replication and repair	
Transcription and translation	
Metabolism of xenobiotic	
Metabolism of nucleotides	
Vitamins	
Minerals metabolism	
Hemoglobin and porphyrins	
Digestion and absorption	
AIDS	
Metabolism of lipids	
Metabolism of amino acids	
Organ function test	
Hormones	
Nutrition	
Qualitative analysis of carbohydrates	
Color reactions of proteins and amino acids	
Identification of non-protein nitrogen substances	
Normal and abnormal constituents of urine	
Analysis of saliva	
Free and total acidity in gastric juice	
Blood glucose estimation	
Urine creatinine estimation	
Serum total protein estimation	
Serum lipid profiles	
Liver function profile	
Blood gas profile	
Kidney function profile	
Profile of hypo and hyperthyroidism	

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DEPARTMENT OF ANATOMY

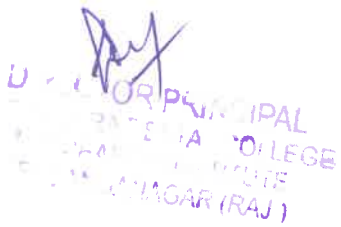
DATE:-

SYLLABUS OF BDS 1st YEAR

SR NO.	TOPIC	SUB TOPIC	COVERED/NOT	REMARKS
I.	INTRODUCTION OF ANATOMY			
	1.	Anatomical Terms		
	2.	Skin , Superficial Fascia and Deep Fascia		
	3.	Cardio vascular system , Portal system , Collateral circulation and Arteries		
	4.	Lymphatic system , Regional lymph nodes		
	5.	Osteology - including ossification and growth of bones		
	6.	Myology - including types of muscle tissue and innervation		
	7.	Syndesmology – including classification of joints		
	8.	Nervous System		
II.	HEAD AND NECK			
	1.	Scalp face and temple , Lacrimal apparatus		
	2.	Deep fascia of neck , posterior triangle , sub-occipital triangle , anterior triangle , anterior median region of neck deep structures of neck		
	3.	Cranial cavity meninges , Parts of brain ventricles of brain dural venous, Sinus cranial nerves attached to brain , Pituitary gland		
	4.	Cranial nerves in details		
	5.	Orbital cavity – Muscles of eye ball supports of eye ball nerves and Vessels in the orbit		
	6.	Parotid Gland		
	7.	T.M.J Muscles of mastication Infra-temporal fossa , Pterygo palatine fossa		
	8.	Sub Mandibular region		
	9.	Wall of Nasal Cavity Paranasal sinuses		
	10.	Palate		
	11.	Oral Cavity Tongue		
	12.	Pharynx Palatine Tonsil and		

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		Auditory tube Larynx OSTEOLOGY - fetal skull, adult skull, individual bones of skull, hyoid bone and Cervical vertebrate		
III.	**THORAX**			
	1.	Thoracic Wall		
	2.	Heart Chambers		
	3.	Coronary Artery		
	4.	Pericardium		
	5.	Lungs – Surface pleural cavity		
	6.	Diaphragm		
IV.				
	1.	Peritoneal cavity		
	2.	Organs in abdominal and pelvic cavity		
V.	**EMBRYLOGY**			
		Oogenesis, Spermatogenesis Fertilization placenta primitive streak neural creast bilaminar and Trilaminar germinal disc intra embryonic mesoderm formation and Notochord formation and fate Pharyngeal arches pouches and clefts; Development of Face ,tongue, palate, thyroid gland, pituitary gland, salivary glands and anomalies in their development; Tooth development in brief		
VI.	**HISTOLOGY**			
		The cells basic tissue – Epithelium connective tissue including cartilage and bone; Muscle tissue; Classification of glands – serous, mucus, mixed glands; Blood vessels; Lymphoid tissue		
		Trachea; Lung Epiglottis;		
		Nervous tissue – Peripheral nerve , Optic nerve, sensory ganglion, motor ganglion, skin		
		Tooth, Lip, Tongue, Hard Palate, Oesophagus, Stomach, Duodenum, ileum, Colon, Vermiform, Appendix, Liver, Pancreas, Thyroid and Parathyroid gland, Supra renal		



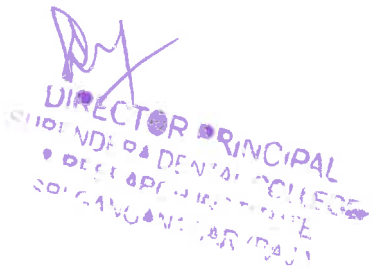
		gland, Pituitary gland, kidney, ureter, urinary bladder, ovary and testis		
VII.	**CLINCAL PROCEDURE**			
	A.	**Intra muscular injection –** Demonstration on dissected specimen and on a living person of the following sites of injection- **1.** Deltoid muscles and its relation with axillary nerve and radial nerve. 2. Gluteal region and relation of siatic nerve. 3. Vastus lateralis muscle		
	B.	Intra venous injection & venesection Demonstration of veins in dissected specimen and on living person. 1.Median cubital bone 2.Cephalic veins 3.basilic vein 4.long saphenous vein		
	c.	**Arterial pulsation** **Demonstration of arteries on dissected specimen and feeling of pulsation of following arteries in living person.** **1.Superficial temporal** **2.Facial** **3.Carotid** **4.Axillary** **5.Branchial** **6.Radial** **7.Ulnar** **8. Femoral** **9.Popleteal** **10.Dorsalis pedis**		
	D.	**Lumber puncture** **Demonstration on dissected specimen of spinal cord cauda equine & epidural space.** **Intra vertebral space between L4 and L5.**		

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Name of Deptt. Pharmacology		BDS 2nd year
S.No.	Topic	Teacher Name
1	General Pharmacology	Dr. A. P. Dadhich
2	Autonomic Drugs	Dr. A. P. Dadhich
3	Autocoids	Dr. A. P. Dadhich
4	CNS Drugs	Dr. A. P. Dadhich
5	Cardiovascular Drugs	Dr. A. P. Dadhich
6	Diuritic & Anti Diuritics	Dr. A. P. Dadhich
7	Drugs acting on blood	Dr. A. P. Dadhich
8	G.I.T Drugs	Dr. A. P. Dadhich
9	Raspiratory Drgus & Asthma	Dr. A. P. Dadhich
10	Endocrines	Dr. A. P. Dadhich
11	Chemotherapy	Dr. A. P. Dadhich
12	Vitamins	Dr. A. P. Dadhich
13	Pharmacotherapy of emergency	Dr. A. P. Dadhich
14	Chealating agents	Dr. A. P. Dadhich
15	Dental Pharmacology	Dr. A. P. Dadhich
16	Pharmacotherapy of common diseases	Dr. A. P. Dadhich

Practical

1	Introduction	Dr. A. P. Dadhich
2	Demonstration & Dosage forms	Dr. A. P. Dadhich
3	Mixtures	Dr. A. P. Dadhich
4	Emulsions	Dr. A. P. Dadhich
5	Powders	Dr. A. P. Dadhich
6	Mandl's paint / gum paint	Dr. A. P. Dadhich
7	Mouth washes	Dr. A. P. Dadhich
8	Tooth powder & paste	Dr. A. P. Dadhich
9	Prescription writing for 15 general conditions	Dr. A. P. Dadhich
10	Dental prescriptions	Dr. A. P. Dadhich



NAME OF DEPTT – GENERAL PATHOILOGY

SUBJECT – GENERAL PATHOLOGY

YEAR - (BDS II YEAR) THEORY

S NO	TOPIC
1	INTRODUCTIUON OF PATHOLOGY
2	ETIOLOGY AND PATHOGENESIS OF DISEASE OF CELL INJURY
3	DEGENERATIONS
4	CELL DEATH& NECROSIS
5	INFLAMMATION
6	HEALING
7	INFECTION
8	SYPHLIS
9	TYPHOID
10	NUTRITIONAL DISORDERS
11	IMMUNOLOGICAL MICHANISMS IN DISEASE
12	AIDS AND HEPATITIS
13	DEARANGEMENTS OF BODY FLUIDS
14	DISORDERS OF CARCULATION
15	THROMBOSIS
16	EMBOLISM
17	ISCHAEMIA AND INFRACTION
18	ADAOTIVE DISORDERS OF GROWTH
19	GENERAL ASPECTS OF NEOPLESIA
20	HYPERTANSION
21	DIABETES MELLITUS
22	ANAEMIAS
23	LEUKEMIAS
24	DISEASE OF LYMPH NODE
25	DISEASE OF ORAL CAVITY
26	DISEASE OF SALIVARY GLAND
27	COMMON DISEASE OF BONE
28	DISEASE OF CARDIOVASCULAR SYSTEM
29	HAEMORRHAGIC DISORDERS

NAME OF DEPTT – GENERAL PATHOLOGY

SUBJECT – GENERAL PATHOLOGY

YEAR - (B.D.S II YEAR) PRACTICAL

S.NO	TOPIC
1	MICROSCOPPE
2	COLLECTION OF BLOOD & ANTICOAGULANTS
3	HISTPATHOLOGY OF TISSUE PROCESSINNG & STAINING
4	HAEMOGLOBIN (H.B)
5	TOTAL W.B.C (T.L..C) COUNT
6	DIFFRENTAIAL W.B.C COUNT
7	E.S.R & P.C.V
8	BLEEDING TIME & CLOTTING TIME
9	URINR PHYSICAL & CHEMICAL
10	HISTOPATHOLOGY SLIDES

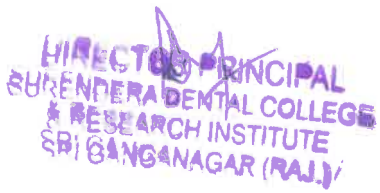
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NAME DEPTT- GENERAL MICROBIOLOGY

SUBJECT – GENERAL MICROBIOLOGY

YEAR – (BDS II YEAR) PRACTICAL

S NO	TOPIC
1	Introduction& lab rules
2	Microscope
3	Gram stain
4	Sterilization & disinfection
5	Culture media
6	Identification of bacteria
7	Z.N STAIN
8	Hanging drop
9	Antibiotic sensitivity tests
10	Parasitology seminar



NAME OF DEPARTMENT: -GENERAL MICROBIOLOGY

SUBJECT :- GENERAL MICROBIOLOGY

YEAR – (BDS -II year) THEORY

S,NO	TOPIC
	GENERAL MICROBIOLOGY
1.	History, introduction, scope, aims and objective
2	Morphology and physiology of bacteria
3	Bacteria Genetics and Drug Resistance in bacteria
B	IMMUNOLOGY
1	Infection
2	Immunity
3	Structure and function of immune system
4	The compliment system
5	ANTIGEN
6	Immunoglobulins antibodies
7	Immune response
8	Antigen-Antibodies reaction
9	Immune deficiency disorders
10	Hypersensitivity reactions
11	Autoimmune disorders
12	Immunology of transplantapion and malignancy
13	immunehaematology
C	SYSTEAMATIC BACTERIOLOGY
1	Pyogenic cocci
2	Meningococcus
3	Corynebacterium diphtheria
4	mycobacteria
5	clostridium

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Name of Deptt. Gen. Surgery	
S.No.	Topic
1	Disease of Lymphatic system
2	Cysts -including oral cavity
3	Infections
4	Sinus and Fistula
5	Ulcers, Including malignant ulcers
6	Gangrence- dry, wet, gas gangre
7	Wounds
8	Haemorhage, bleeding disorders
9	Shock
10	Head Injury - Nervous system
11	Disease of thyroid
12	Disease of pratmyroid gland
13	Disease of oral cavity
14	Disease of Larynx, Nasophapym
15	Fractures, including face trauma
16	Swelling of Jaw
17	Anamoties of development of face
18	Principles of operative surgery
19	Biopsy
20	Peripheral Nerve injury, facial nerve
21	RT and its uses
22	Lasers and cryo surgery

Practical

1	Introduction to clinical practice
2	General Scheme of case
3	Introduction / partculers of PT
4	History taking - Chief complaint
5	History of present illness
6	Past history, family history, personal history - Importance
7	General examination
8	Physical examination
9	Vital parameters
10	Examination of abdomen
11	Examination of swelling
12	Examination of Ulcers
13	Instruments, identification and its uses

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Deptt. of Gen. Medicine

Theory

S. No.	Topic
1	Introduction of Medicine and Trems used in Medicine
2	Anatomy and Physiology of Gastrointgestinal and Functions
3	Investigation of Gastrointestinal Tract
4	Oral Manifestations of systemic diseases, Stomatiti, Gingi-Hyper
5	Dysphagia, Dyspesis, GERD
6	Gastrits, Deudonal Ulcer Syndrome, Peptic-Ulcer Disorder
7	Infection, Malabsortion Syndrome
8	Pancreatic disorder, IBS,
9	Liver and Billary tract disease Phy, function and Investigation
10	Jaundice
11	Cirrhosis of Liver
12	Portal Hypertension
13	Ascites
14	Heaptits-Acute and chronic
15	Amoebiasis and Amoebiac Liver Abscess
16	Diarrhoea, Dysentry and ulcerative lesion of intestine
17	Anatomy and Physiology of Respiratory system
18	Respiratory Signs-Symptoms and Investigation
19	Bronchial Asthma
20	Pneumonias, Pulmonary Embolism
21	Pulmonary Suppuration, Lung-Absass, Empyema
22	COPD
23	Pulmonary Tuberculosis (Koch's-Disease)
24	Respiratory Failure ARD Syndrome
25	Pleural Effusion
26	Bronchectesis
27	Pneuthorax, Pyothorax, Lung cancers
28	Acute Resporatory failure with CPR
29	Introduction to Cardiovascular system Sign & Symptom, Presentation and Investigation
30	Ac Rheumatic fever, Jones criteria area
31	Disorder of heart rate rhythm and conduction, common Arrhythmias
32	Heart Failure - LVF, CHF, Conaestive cardiac failure
33	Congenital heart disease
34	Valvular heart disease chronic Rheumantic
35	Systemic-hypertension
36	Infective endocartits
37	Coronary artery (ischaemic heart) disease
38	Acute circulatory failure and shock
39	Kidney and Its Disorders
40	Disorders of Blood and Lymphoreticular tissue
41	Diseases of Nervous System
42	Nutritional and Metabolic disease, Marasmus, kwasiorkor
43	Diseases of Endocrine System

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44	Diseases due of Infection
45	Medical Emergencies in dental practice
46	allergy and Hypersensitivity (Anaphylactic-Shock)
Practical	
1	Bed Side Examination of Patients
2	Introduction, History Taking, Inspection, Palpation, Percussion, Ausculation, Deginitions of signs, symptoms diagnosis, differential diagnosis treatment and prognosis
3	General Physical examination and build nourishment, pulse, BP, respiration, Vital, Parameters
4	Quadrants of Abodomen
5	Chest Examination, Inspration and Expiration
6	Abodomen examination, (Liver Spleen, Kindeys, Overies and FT.)
7	Examination of Anaemia Patient
8	Bronchial Asthma Patient
9	Jaundica Patient
10	Pulm, Koch's Patient
11	Facial Injury
12	Hypertension and Complications
13	Ascites - fluid thrill, Shifting Dullness
14	Oral Cavity Presentation
15	Paracentesis, Ascitic fluid, Pleural Fluid and LP
16	Instruments- Ryles's Tube, IV Set, BT Set, Folyes Catheter End. Tracheal tube, Syring IV cannula (Jelco)
17	X-RAY --chest, Abdomen, PI, Fluid
18	Chronic Bronchitis, URTI, Tonsilites
19	Alcholic- Cirrohsis
20	Diabetics Patient and Complications of diabetics
21	COPD Patient and complication
22	Examination of Hemiplegia, patients
23	Examination of Epiletic Patient and Precaution by dental doctor
24	HIV Patient and Precaution by dental doctor
25	Pain Abdomen
26	Lumbago, Osteoarthritis
27	Pain Chest, Angina, CAD
28	Hepato Splenomegaly
29	Clubbing, Koilonychia, Anaemia, Jaundic, Cynosis, Haemoptysis, Hametemsis, Haematuria, Crepts, Ronchi, Rub

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