



Shri.Prakashchand Jain Bahuuddeshiya Sanstha  
**SHRI.PRAKASHCHAND JAIN HOMOEOPATHIC MEDICAL  
COLLEGE,HOSPITAL & RESEARCH,**



Address: - Jain Knowledge City Jalgaon Road, Palakheda (BK), Tal. Jamner, Dist. Jalgaon-424206  
E-mail:- [principalspjhmc@gmail.com](mailto:principalspjhmc@gmail.com) Website: - <http://www.bhmsjamner.org.in/>  
Contact: 7720074644/9503729884

**DEPARTMENT OF HUMAN PHYSIOLOGY & BIOCHEMISTRY**

**Department Infrastructure**

Sr. No	Name of the Department	Required	Available
1	Human Physiology & Biochemistry	175 sq. mtr	93.40 sq. mtr
	Room for teaching and supporting staff		
	Separate laboratory for hematology and biochemistry		
	Museum and demonstration room for clinical physiology		

HOD

PHYSIOLOGY & BIOCHEMISTRY  
Shri.Prakashchand Jain  
Homoeopathic Medical College,  
Hospital & Research Palaskheda Bk  
Jamner, Tal. Jamner, Dist. Jalgaon

Principal

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**Departmental Staff Information**

Sr. No.	Name of the Teaching Faculty	Qualification	Designation
1.	Dr. Sanjay Vitthalrao Rithe	D.H.M.S	Associate Professor & HOD
2	Dr. Rizwan Jameel Shaikh	M.D	Assistant Professor
3	Dr. Juilee Deepak Sonawane	M.D	Assistant Professor

**Non-Teaching Staff**

Sr. No.	Name of the Non—Teaching Staff	Qualification	Designation
1.	Mrs. Bhagyashri Sanghavi	D.M.L.T	Lab Technician
2.	Mr. Moin Pathan	10th	MTS

  
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Date: 08/01/2026

**DEPARTMENT OF HUMAN PHYSIOLOGY & BIOCHEMISTRY**  
**1<sup>ST</sup> BHMS 2024-25**  
**DEC 24 – DEC 25**

Sr. No.	Details	1 <sup>st</sup> YEAR	
		Required	Conducted
1	Lectures	325	294
2	Symposium	NA	NA
3	Practical	330	298
4	Inter – departmental Seminars	-	10
5	Seminars	-	13
6	Case Presentation	NA	NA
7	Journal Club	NA	NA

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**DEPARTMENT OF HUMAN PHYSIOLOGY & BIOCHEMISTRY**  
**List of Equipment**

Sr. No	Name of equipment	Required	Available
<b>PHYSIOLOGY</b>			
1	Medical Microscope	25	25
2	Equipment for ESR or Westergren's pipette for ESR Stand	25(with spare Pipettes)	25(with spare pipettes)
3	Haematocrit tubes	35	35
4	Sahli's Haemoglobinometer	35	35
5	Haemocytometer	25	25
6	Sphymomanometer	25	25
7	stethoscope	25	25
8	Clinical Digital Thermometer	25	25
9	Knee Hammer	25	25
10	Tunning Fork	1 set	1 set
11	Electrocardiograph (ECG machine)	01	01
12	Electronic stop watch	04	04
13	Glass distillation	01	02
14	Centrifuge	01	02
15	Colorimeter	02	02
16	PH meter electric	02	02
17	Color Perception Lantern	01	01
18	Educational compact disc, digital video discs, films, slides model with audio visual	As required	CD- 02, DVD- 02. Models - 13, AV ppt - 150
19	Perimeter	01	03
20	Spirometer	01	01
21	Tonometer	01	02
22	Handgrip Dynamometer	01	01
23	Bicycle Ergometer	01	01
25	Mini cycle	-	01
26	Stethograph's	-	05
27	Incubator	-	01
28	Blood group porcelain Tiles	-	15



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29	Tongue Depressor	-	06
30	Torniquets	-	15
31	Models	-	12
32	Student made model	-	01
	Department library Books	-	21
	Charts	-	Role Charts-13 Vinyl Charts- 20
<b>BIOCHEMISTRY</b>			
1	Electronic /Monopan Balance	01	01
2	Centrifuge	01	02
3	Chemical Balance	01	02
4	Water Bath	01	02
5	Urinometer	25	25
6	Chemicals	As required	As required – List attached
7	Hydrometer	02	02
8	Albuminometers	10	10
9	Glucometer	10	10
10	Thermometer	10	10
11	Colorimeter	01	01
12	Hot air oven	01	01
13	Glass ware like pipette, burettes , wire gauge with asbestos ,center hot plate , stove ,syringes ,burners , rubber tubing stands clamps	As required	As required – list attached
14	Ph(Potential of Hydrogen)	01	01
15	Binocular research microscope	02	02
16	Stethoscope: demonstration with multiple pieces	02	02
17	Ophthalmoscope	01	01
18	Otorhinolaryngoscope	01	01
19	Revolving stools	45	45
20	Vinyl Charts	-	04

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**DEPARTMENT OF HUMAN PHYSIOLOGY & BIOCHEMISTRY**

**List of Departmental Library Books**

Sr. No.	Accession No.	Name	Author
1	Phy-1 53	Physiology: prep manual for undergraduates 6 <sup>th</sup> edition	Joshi
2	Phy - 2 57	Practical physiology for MBBS(OSPE) as per mci syllabus	Richa Gupta
3	Phy - 3 63	Handbook Of practical physiology	Madan Mohan
4	Phy - 4 67	Practical biochemistry for medical ,dental & allied courses	Rajagopal
5	Phy - 5 70	MCQS in Biochemistry 3 <sup>rd</sup> edition	Rajagopal
6	Phy - 6 76	Cocise Textbook of Biochemistry as per competency based curriculum	Rajagopal
7	Phy - 7 86	Biochemistry & clinical pathology	Mishra
8	Phy - 8 164	Lab Manual biochemistry	Bhat
9	Phy -9 2034	C C Chatterjee's human physiology 14 <sup>th</sup> edition Vol-1	John Nitin Ashok
10	Phy - 10 2035	C C Chatterjee's human physiology 14 <sup>th</sup> edition Vol-2	John Nitin Ashok
11	Phy -11 2164	Guyto & hall textbookmedical physiology 3 <sup>rd</sup> edition	Mario Vaz
12	Phy -12 2165-A	Tortora's principles of Anatomy & Physiology with study guide - Global edition	Tortora
13	Phy - 13 2175-A	Text book of Physiology 9 <sup>th</sup> edition Vol-2	Jain A K
14	Phy - 14 2185	Hutchison's Clinical Methods : an integrated approach to clinical practice, international	Michael Gynn
15	Phy - 15 3129	A handbook of Physiology Question & answer format	Vinay Jain
16	Phy - 16 3159	Human Anatomy & Physiology illustrated	B. Jain
17	Phy- 17 2165-B	Tortora's principles of Anatomy & Physiology with study guide - Global edition	Tortora
18	Phy- 18 2175-B	Text book of Physiology Vol II	A K Jain
19	Phy - 19 2175-C	QA Physiology 12 <sup>th</sup> edition	A K Jain
20	Phy - 20 3819	Essentials of Biochemistry	V Satyanarayana
21	Phy- 21 3241-A	LPR fundamentals of medical Physiology Vol- 1 edition 7th	L prakasam Reddy
22	Phy - 22 3241-B	LPR fundamentals of medical Physiology Vol- 2 edition 7th	L prakasam Reddy

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**DEPARTMENT OF HUMAN PHYSIOLOGY & BIOCHEMISTRY**

**List of Models – Physiology**

Sr. No.	Name of Models	Quantity
1	Human Brain	01
2	Human Heart	01
3	Human Kidney	01
4	Human Ear	01
5	Human Eye	01
6	Human Brain	01
7	Thyroid Gland	01
8	Human respiratory System	01
9	Nervous System	01
10	Circulatory System	01
11	Female reproductive System	01
12	Male reproductive System	01
13	Ishihara's Book	01
14	Excretory System-Student made	01
15	Gastro-Intestinal system- Student made	01

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**DEPARTMENT OF HUMAN PHYSIOLOGY & BIOCHEMISTRY**

**List of Charts – Physiology**

Sr. No	Name of Charts	Quantity
1	Digestive System	1
2	Skeletal System	1
3	Haemopoietic System	1
4	Brain – Parts of	1
5	Human brain – Parts of	1
6	Neuron structure	1
7	Skin Structure	1
8	Autonomic nervous System – Components	1
9	Muscular System	1
10	Spinal Cord segments	1
11	Cranial Nerves	1
12	Respiratory System	1
13	Heart Anatomy	1
14	Nose, Throat, Neck	1
15	Circulatory System	1
16	Blood Circulation	1
17	Excretory System	1
18	Red blood cell	1
19	Spleen – Structure	1
20	Kidneys & Bladder	1
21	Kidney	1
22	Gastro- Intestinal Tract	1
23	Stomach	1
24	Liver	1
25	Female Reproductive System	1
26	Male Reproductive System	1
27	Endocrine Glands	1
28	Respiratory System	1
29	Human Heart	1
30	Cardio – vascular System – Structure & components	1
31	Urinary tract	1
32	Nervous System & Brain	1
33	Eye – Structure & Physiology	1
34	Digestive System	1
35	Vitamins	1
36	Malnutrition	1
37	Menstrual Cycle	1
38	Clotting Mechanism	1
39	Body temperature regulation	1

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**List of Charts – Biochemistry**

Sr. No.	Name of printed Charts	Quantity
1	Vitamins	01
2	Lipids	01
3	Carbohydrates	01
4	Proteins	01
Students Handmade Charts		
5	Role of Lipids	01
6	Lipoproteins	01
7	Glycolysis	01
8	Kreb's Cycle	01
9	Balanced Diet	01
10	Rhodopsin Cycle	01
11	Enzymes	01

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**DEPARTMENT OF HUMAN PHYSIOLOGY & BIOCHEMISTRY**  
**List of Furniture – Physiology**

Sr. No.	Furniture Item	Quantity
1	Tables	03
2	Platform	02
3	Wall cabinets	04
4	Chairs	06
5	Stools	30
6	Ceiling Panel Lights	08
7	Ceiling Fans	04
8	Bed with mattress	01
9	Computer	01

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**List of Furniture – Biochemistry**

Sr. No.	Furniture Item	Quantity
1	Tables	02
2	Platform	02
3	Wall cabinets	04
4	Chairs	01
5	Stools	45
6	Ceiling Panel Lights	06
7	Ceiling Fans	04

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## DEPARTMENT OF HUMAN PHYSIOLOGY & BIOCHEMISTRY

### List of Chemicals – Physiology

Sr. No.	Items	Quantity
1	N/10 HCL	1000ml
2	Distill water	2000ml
3	RBC diluting Fluid	1000ml
4	WBC diluting Fluid	1000ml
5	Spirit ( Ethanol)	5000ml
6	Capillary tube ( small bore)	3 Box
7	Filter Paper	6Box

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Sr. No.	Items	Quantity
1	Glacial acetic Acid	1000ml
2	Hydrogenperoxide	1000ml
3	10% bacl	1000ml
4	Na <sub>2</sub> Co <sub>3</sub>	1000ml
5	HgCl <sub>2</sub>	500ml
6	Lead acetate	1000ml
7	20% Sulphosalicylic acid	1000ml
8	Esbach's Reagent	1000ml
9	Absolute Alcohol	500ml
10	1% Acetic Acid	500ml
11	40% NaoH	500ml
12	Million's Reagent	500ml
13	NaNo <sub>2</sub>	500ml
14	1:500 Formalin	500ml
15	5% NaoH	500ml
16	CuSo <sub>4</sub>	500ml
17	11% alpha naphthol	500ml
18	Molisch's reagent	500ml
19	Bruck's reagent	500ml
20	NaoH	500ml
21	CPR Indicator	500ml
22	Ammonium Molybdate	500ml
23	Felhing A Reagent	500ml
24	Felhing B Reagent	500ml
25	Benedict's reagent	500ml
26	Barfoed's reagent	500ml
27	1% alpha naphthol	500ml

Sr. No.	Items	Quantity
28	Selwinoff's Reagent	500ml
29	Iodine solution	500ml
30	Na <sub>2</sub> Co <sub>3</sub> olution	500ml
31	AgNo <sub>3</sub> solution	500ml
32	Picric Acid	500ml
33	10% AgNo <sub>3</sub>	500ml
34	Ammonia	500ml
35	Bacl <sub>2</sub>	500ml
36	10% Acetic Acid	500ml
37	Conc HNo <sub>3</sub>	1000ml
38	Conc H <sub>2</sub> So <sub>4</sub>	1000ml
39	Conc HCL	1000ml
40	Ammonium Sulphate Salt(solid)	1kg
41	Gelatin Powder	500gm
42	Caesin Powder	500gm
43	Peptone Powder	500gm
44	Proteose Powder	500gm
45	Glucose Powder	500gm
46	Fructose Powder	500gm
47	Lactose Powder	500gm
48	Maltose Powder	500gm
49	Sucrose Powder	500gm
50	Starch powder	500gm
51	Dextrin Powder	500gm
52	Sulphur Powder	250gm
53	Benzidine Powder	100gm
54	Na nitroprusside Solution	500ml

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**HUMAN PHYSIOLOGY & BIOCHEMISTRY**  
**Advanced Practical plan**  
**1<sup>st</sup> BHMS 2024-25**

SR.NO	Date	BATCH	Practical	Demonstration \Performance
	21/11/2024 to 02/12/2024		FOUNDATION PROGRAMME	
1	2/12/2024	B	Study of compound microscope	PERFORMANCE
2	3/12/2024	C	Study of compound microscope	PERFORMANCE
3	4	A	Study of compound microscope	PERFORMANCE
4	5	B	Study of compound microscope	PERFORMANCE
5	6	C	Study of compound microscope	PERFORMANCE
6	7	A	Study of compound microscope	PERFORMANCE
7	9	B	Anticoagulants & Blood collection	PERFORMANCE
8	10	C	Anticoagulants & Blood collection	PERFORMANCE
9	11	A	Anticoagulants & Blood collection	PERFORMANCE
10	12	B	Anticoagulants & Blood collection	PERFORMANCE
11	13	C	Anticoagulants & Blood collection	PERFORMANCE
12	14	A	Anticoagulants & Blood collection	PERFORMANCE
13	16	B	Estimation of Haemoglobin concentration	PERFORMANCE
14	17	C	Estimation of Haemoglobin concentration	PERFORMANCE
15	18	A	Estimation of Haemoglobin concentration	PERFORMANCE
16	19	B	Estimation of Haemoglobin concentration	PERFORMANCE
17	20	C	Estimation of Haemoglobin concentration	PERFORMANCE
18	21	A	Estimation of Haemoglobin concentration	PERFORMANCE
19	23	B	Estimation of Haemoglobin concentration	PERFORMANCE
20	24	C	Estimation of Haemoglobin concentration	PERFORMANCE
21	25	A	CHRISTMAS HOLIDAY	PERFORMANCE
22	26	B	Determination of Haematocrit	PERFORMANCE
23	27	C	Determination of Haematocrit	PERFORMANCE



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## HUMAN PHYSIOLOGY & BIOCHEMISTRY

### Advanced Practical plan

1<sup>st</sup> BHMS 2024-25

SR.NO	Date	BATCH	Practical	Demonstration Performance
	21/11/2024 to 02/12/2024		FOUNDATION PROGRAMME	
1	2/12/2024	B	Study of compound microscope	PERFORMANCE
2	3/12/2024	C	Study of compound microscope	PERFORMANCE
3	4	A	Study of compound microscope	PERFORMANCE
4	5	B	Study of compound microscope	PERFORMANCE
5	6	C	Study of compound microscope	PERFORMANCE
6	7	A	Study of compound microscope	PERFORMANCE
7	9	B	Anticoagulants & Blood collection	PERFORMANCE
8	10	C	Anticoagulants & Blood collection	PERFORMANCE
9	11	A	Anticoagulants & Blood collection	PERFORMANCE
10	12	B	Anticoagulants & Blood collection	PERFORMANCE
11	13	C	Anticoagulants & Blood collection	PERFORMANCE
12	14	A	Anticoagulants & Blood collection	PERFORMANCE
13	16	B	Estimation of Haemoglobin concentration	PERFORMANCE
14	17	C	Estimation of Haemoglobin concentration	PERFORMANCE
15	18	A	Estimation of Haemoglobin concentration	PERFORMANCE
16	19	B	Estimation of Haemoglobin concentration	PERFORMANCE
17	20	C	Estimation of Haemoglobin concentration	PERFORMANCE
18	21	A	Estimation of Haemoglobin concentration	PERFORMANCE
19	23	B	Estimation of Haemoglobin concentration	PERFORMANCE
20	24	C	Estimation of Haemoglobin concentration	PERFORMANCE
21	25	A	CHRISTMAS HOLIDAY	PERFORMANCE
22	26	B	Determination of Haematocrit	PERFORMANCE
23	27	C	Determination of Haematocrit	PERFORMANCE



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24	28	A	Determination of Haematocrit	DEMONSTRATION
	30	B	Determination of Haematocrit	DEMONSTRATION
33	31/12/2024	C	Determination of Haematocrit	DEMONSTRATION
34	1/1/2025	A	Determination of Haematocrit	DEMONSTRATION
35	2	B	Case taking & Approach to patient	PERFORMANCE
36	3	C	Case taking & Approach to patient	PERFORMANCE
40	4	A	Case taking & Approach to patient	PERFORMANCE
41	6	B	Case taking & Approach to patient	PERFORMANCE
42	7	C	Case taking & Approach to patient	PERFORMANCE
43	8	A	Case taking & Approach to patient	PERFORMANCE
44	9	B	General concept of Examination	PERFORMANCE
45	10	C	General concept of Examination	PERFORMANCE
46	11	A	General concept of Examination	PERFORMANCE
47	13	B	General concept of Examination	PERFORMANCE
48	14	C	General concept of Examination	PERFORMANCE
49	15	A	General concept of Examination	PERFORMANCE
50	16	B	General concept of Examination	PERFORMANCE
51	17	C	General concept of Examination	PERFORMANCE
52	18	A	General concept of Examination	PERFORMANCE
53	20	B	General concept of Examination	PERFORMANCE
54	21	C	General concept of Examination	PERFORMANCE
55	22	A	General concept of Examination	PERFORMANCE
56	23	B	EXAMINATION OF MUSCLES- BULK OF MUSCLE,STRENGTH,TONE,REFLEXES,COORDINATION,GAIT,INVOLUNTARY MOVEMENTS.	PERFORMANCE
57	24	C	EXAMINATION OF MUSCLES- BULK OF MUSCLE, STRENGTH,TONE,REFLEXES,COORDINATION,GAIT,INVOLUNTARY MOVEMENTS.	PERFORMANCE
58	25	A	EXAMINATION OF MUSCLES- BULK OF MUSCLE,STRENGTH,TONE,REFLEXES,COORDINATION,GAIT,INVOLUNTARY MOVEMENTS.	PERFORMANCE



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60	28	C	EXAMINATION OF MUSCLES. MUSCLES OF UPPER LIMB	PERFORMANCE
61	29	A	EXAMINATION OF MUSCLES. MUSCLES OF UPPER LIMB	PERFORMANCE
62	30	B	EXAMINATION OF MUSCLES ,MUSCLES OF THE TRUNK	PERFORMANCE
63	31	C	EXAMINATION OF MUSCLES ,MUSCLES OF THE TRUNK	PERFORMANCE
64	1/2/2025	A	EXAMINATION OF MUSCLES ,MUSCLES OF THE TRUNK	PERFORMANCE
	3	B	EXAMINATION OF MUSCLES.MUSCLES OF LOWER LIMBS	PERFORMANCE
	4	C	EXAMINATION OF MUSCLES.MUSCLES OF LOWER LIMBS	PERFORMANCE
	5	A	EXAMINATION OF MUSCLES.MUSCLES OF LOWER LIMBS	PERFORMANCE
65	6	B	Haemocytometry	PERFORMANCE
66	7	C	Haemocytometry	PERFORMANCE
67	8	A	Haemocytometry	PERFORMANCE
68	10	B	Haemocytometry	PERFORMANCE
69	11	C	Haemocytometry	PERFORMANCE
	12	A	Haemocytometry	PERFORMANCE
	13	B	Total RBC count	PERFORMANCE
	14	C	Total RBC count	PERFORMANCE
	15	A	Total RBC count	PERFORMANCE
70	17	B	Determination of RED cell indices	DEMONSTRATION
71	18	C	Determination of RED cell indices	DEMONSTRATION
72	19	A	Determination of RED cell indices	DEMONSTRATION
73	20	B	Total Leucocyte Count	Performance
74	21	C	Total Leucocyte Count	Performance
75	22	A	Total Leucocyte Count	Performance
76	24	B	Total Leucocyte Count	PERFORMANCE
77	25	C	Total Leucocyte Count	PERFORMANCE
78	26	A	Total Leucocyte Count	PERFORMANCE
79	27	B	Preparation & examination of Blood smear	PERFORMANCE
80	28	C	Preparation & examination of Blood smear	PERFORMANCE
81	1/3/2025	A	Preparation & examination of Blood smear	PERFORMANCE
	3	B	1 <sup>ST</sup> Periodical Examination	PERFORMANCE
	4	C	1 <sup>ST</sup> Periodical Examination	PERFORMANCE



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	5	A	1 <sup>st</sup> Periodical Examination	PERFORMANCE
	6	B	1 <sup>st</sup> Periodical Examination	PERFORMANCE
	7	C	1 <sup>st</sup> Periodical Examination	PERFORMANCE
82	8	A	Preparation & examination of Blood smear	PERFORMANCE
83	10	B	Preparation & examination of Blood smear	PERFORMANCE
84	11	C	Preparation & examination of Blood smear	PERFORMANCE
85	12	A	Differential Leucocyte Count	PERFORMANCE
86	13	B	Differential Leucocyte Count	PERFORMANCE
87	14	C	Differential Leucocyte Count	PERFORMANCE
88	15	A	Differential Leucocyte Count	PERFORMANCE
89	17	B	Differential Leucocyte Count	PERFORMANCE
90	18	C	Differential Leucocyte Count	PERFORMANCE
91	19	A	Differential Leucocyte Count	PERFORMANCE
92	20	B	Differential Leucocyte Count	PERFORMANCE
93	21	C	Differential Leucocyte Count	PERFORMANCE
94	22	A	Differential Leucocyte Count	PERFORMANCE
95	24	B	Differential Leucocyte Count	PERFORMANCE
96	25	C	Differential Leucocyte Count	PERFORMANCE
97	26	A	Differential Leucocyte Count	PERFORMANCE
98	27	B	DETERMINATION OF BLOOD GROUPS	PERFORMANCE
99	28	C	DETERMINATION OF BLOOD GROUPS	PERFORMANCE
100	29	A	DETERMINATION OF BLOOD GROUPS	PERFORMANCE
101	31/03/2025	B	DETERMINATION OF BLEEDING TIME & CLOTTING TIME	PERFORMANCE
102	1/4/2025	C	DETERMINATION OF BLEEDING TIME & CLOTTING TIME	PERFORMANCE
103	2	A	DETERMINATION OF BLEEDING TIME & CLOTTING TIME	PERFORMANCE
104	3	B	DETERMINATION OF BLEEDING TIME & CLOTTING TIME	PERFORMANCE
105	4	C	DETERMINATION OF BLEEDING TIME & CLOTTING TIME	PERFORMANCE
106	5	A	DETERMINATION OF BLEEDING TIME & CLOTTING TIME	PERFORMANCE
107	7	B	DETERMINATION OF BLEEDING TIME & CLOTTING TIME	PERFORMANCE
108	8	C	DETERMINATION OF BLEEDING TIME & CLOTTING TIME	PERFORMANCE
109	9	A	DETERMINATION OF BLEEDING TIME & CLOTTING TIME	PERFORMANCE



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110	10	B	OPD	DEMONSTRATION & PERFORMANCE
111	11	C	OPD	DEMONSTRATION & PERFORMANCE
112	12	A	OPD	DEMONSTRATION & PERFORMANCE
113	14	B	OPD	DEMONSTRATION & PERFORMANCE
114	15	C	OPD	DEMONSTRATION & PERFORMANCE
115	16	A	OPD	DEMONSTRATION & PERFORMANCE
116	17	B	OPD	DEMONSTRATION & PERFORMANCE
117	18	C	OPD	DEMONSTRATION & PERFORMANCE
118	19	A	OPD	DEMONSTRATION & PERFORMANCE
119	21	B	OPD	DEMONSTRATION & PERFORMANCE
120	22	C	OPD	DEMONSTRATION & PERFORMANCE
121	23	A	OPD	DEMONSTRATION & PERFORMANCE
122	24	B	OPD	DEMONSTRATION & PERFORMANCE
123	25	C	OPD	DEMONSTRATION & PERFORMANCE
124	26	A	OPD	DEMONSTRATION & PERFORMANCE
	28	B		1 <sup>ST</sup> TERMINAL EXAMINATION
	29	C		1 <sup>ST</sup> TERMINAL EXAMINATION
	30/04/2025	A		1 <sup>ST</sup> TERMINAL EXAMINATION



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	1/5/2025	B		1ST TERMINAL EXAMINATION	
	2	C		1ST TERMINAL EXAMINATION	
	3	A		1ST TERMINAL EXAMINATION	
	5	B		SUMMMER VACATIONS	
	6	C		SUMMMER VACATIONS	
	7	A		SUMMMER VACATIONS	
	8	B		SUMMMER VACATIONS	
	9	C		SUMMMER VACATIONS	
	10	A		SUMMMER VACATIONS	
	12	B		SUMMMER VACATIONS	
	13	C		SUMMMER VACATIONS	
	14	A		SUMMMER VACATIONS	
	15	B		SUMMMER VACATIONS	
	16	C		SUMMMER VACATIONS	
	17	A		SUMMMER VACATIONS	
	19	B		SUMMMER VACATIONS	
	20	C		SUMMMER VACATIONS	
	21	A		SUMMMER VACATIONS	
	22	B		SUMMMER VACATIONS	
	23	C		SUMMMER VACATIONS	
	24	A		SUMMMER VACATIONS	
	26	B		SUMMMER VACATIONS	
	27	C		SUMMMER VACATIONS	
	28	A		SUMMMER VACATIONS	
	29	B		SUMMMER VACATIONS	
	30	C		SUMMMER VACATIONS	
	31/05/2025	A		SUMMMER VACATIONS	
135	2/6/2025	B		Clinical Examination of CVS	PERFORMANCE
136	3	C		Clinical Examination of CVS	PERFORMANCE
137	4	A		Clinical Examination of CVS	PERFORMANCE
138	5	B		Clinical Examination of CVS	PERFORMANCE



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139	6	C	Clinical Examination of CVS	PERFORMANCE
140	7	A	Clinical Examination of CVS	PERFORMANCE
140	9	B	Clinical Examination of CVS	PERFORMANCE
141	10	C	Clinical Examination of CVS	PERFORMANCE
142	11	A	Clinical Examination of CVS	PERFORMANCE
143	12	B	Clinical Examination of CVS	PERFORMANCE
144	13	C	Clinical Examination of CVS	PERFORMANCE
145	14	A	Clinical Examination of CVS	PERFORMANCE
146	16	B	Clinical Examination of CVS	PERFORMANCE
147	17	C	Clinical Examination of CVS	PERFORMANCE
148	18	A	Clinical Examination of CVS	PERFORMANCE
149	19	B	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
150	20	C	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
151	21	A	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
152	23	B	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
153	24	C	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
154	25	A	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
155	26	B	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
156	27	C	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
157	28	A	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
158	30/06/2025	B	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
159	1/7/2025	C	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
160	2	A	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
161	3	B	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
162	4	C	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
163	5	A	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
164	7	B	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
165	8	C	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
166	9	A	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
167	10	B	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE
168	11	C	RESPIRATORY SYSTEM –CLINICAL EXAMINATION	PERFORMANCE



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169	12	A	RESPIRATORY SYSTEM -CLINICAL EXAMINATION	PERFORMANCE
170	14	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
171	15	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
172	16	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
174	17	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
175	18	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
176	19	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
177	21	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
178	22	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
179	23	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
180	24	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
181	25	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
182	26	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
183	28	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
184	29	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
185	30	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
186	31/07/2025	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
187	1/8/2025	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
188	2	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
189	4	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
190	5	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
191	6	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
192	7	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
193	8	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
194	9	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
195	11	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
196	12	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
197	13	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
198	14	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
199	15	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
200	16	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE



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201	18	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
202	19	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
203	20	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
204	21	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
205	22	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
206	23	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
207	25	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
208	26	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
209	27	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
210	28	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
211	29	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
212	30/08/2025	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
213	1/9/2025	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
214	2	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
215	3	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
216	4	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
217	5	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
218	6	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
219	8	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
220	9	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
221	10	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
222	11	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
223	12	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
224	13	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
225	15	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
226	16	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
227	17	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
228	18	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
229	19	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
230	20	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
231	22	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE



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232	23	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
233	24	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
234	25	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
235	26	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
236	27	A	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
237	29	B	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
238	30/09/2025	C	NERVOUS SYSTEM- CLINICAL EXAMINATION	PERFORMANCE
239	1/10/2025	A	OPD	DEMONSTRATION & PERFORMANCE
240	2	B	OPD	DEMONSTRATION & PERFORMANCE
241	3	C	OPD	DEMONSTRATION & PERFORMANCE
242	4	A	OPD	DEMONSTRATION & PERFORMANCE
243	6	B	Examination of sensory system-Tropic changes & Spine	PERFORMANCE
244	7	C	Examination of sensory system-Tropic changes & Spine	PERFORMANCE
245	8	A	Examination of sensory system-Tropic changes & Spine	PERFORMANCE
246	9	B	Smell, taste & hearing sensation	PERFORMANCE
247	10	C	Smell, taste & hearing sensation	PERFORMANCE
248	11	A	Smell, taste & hearing sensation	PERFORMANCE
249	13	B	Clinical examination of visual reflex	PERFORMANCE
250	14	C	Clinical examination of visual reflex	PERFORMANCE
	15	A	DIWALI VACATIONS	
	16	B	DIWALI VACATIONS	
	17	C	DIWALI VACATIONS	
	18	A	DIWALI VACATIONS	
	20	B	DIWALI VACATIONS	
	21	C	DIWALI VACATIONS	
	22	A	DIWALI VACATIONS	
	23	B	DIWALI VACATIONS	



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	24	C	DIWALI VACATIONS		
	25	A	DIWALI VACATIONS		
	27	B	2nd TERMINAL EXAMINATION		
	28	C	2nd TERMINAL EXAMINATION		
	29	A	2nd TERMINAL EXAMINATION		
	30	B	2nd TERMINAL EXAMINATION		
	31/10/2025	C	2nd TERMINAL EXAMINATION		
	1/11/2025	A	2nd TERMINAL EXAMINATION		
	3	B	2nd TERMINAL EXAMINATION		
251	4	C	Clinical examination of visual reflex		PERFORMANCE
	5	A	GURU NANAK JAYANTI HOLIDAY		PERFORMANCE
252	6	B	Clinical examination of Alimentary System		PERFORMANCE
253	7	C	Clinical examination of Alimentary System		PERFORMANCE
254	8	A	Clinical examination of Alimentary System		PERFORMANCE
255	10	B	Organ palpation		PERFORMANCE
256	11	C	Organ palpation		PERFORMANCE
257	12	A	Organ palpation		PERFORMANCE
259	13	B	Shifting Dullness		PERFORMANCE
300	14	C	Shifting Dullness		PERFORMANCE
301	15	A	Shifting Dullness		PERFORMANCE
302	17	B	Fluid Thrill		PERFORMANCE
303	18	C	Fluid Thrill		PERFORMANCE
304	19	A	Fluid Thrill		PERFORMANCE
305	20	B	Auscultation per Abdomen		PERFORMANCE
306	21	C	Auscultation per Abdomen		PERFORMANCE
307	22	A	Auscultation per Abdomen		PERFORMANCE
308	24	B	Introduction to Biochemistry		PERFORMANCE
309	25	C	Introduction to Biochemistry		PERFORMANCE
310	26	A	Introduction to Biochemistry		PERFORMANCE
311	27	B	Clinical examination of Alimentary System		PERFORMANCE
312	28	C	Clinical examination of Alimentary System		PERFORMANCE



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313	29/11/2025	A	Clinical examination of Alimentary System	PERFORMANCE
314	1/12/2025	B	Demonstration of Equipments	DEMONSTRATION
315	2	C	Demonstration of Equipments	DEMONSTRATION
316	3	A	Demonstration of Equipments	DEMONSTRATION
317	4	B	Demonstration of Equipments	DEMONSTRATION
318	5	C	Demonstration of Equipments	DEMONSTRATION
319	6	A	Demonstration of Equipments	DEMONSTRATION
320	8	B	Demonstration of Equipments	DEMONSTRATION
321	9	C	Demonstration of Equipments	DEMONSTRATION
322	10	A	Demonstration of Equipments	DEMONSTRATION
323	11	B	Demonstration of Equipments	DEMONSTRATION
324	12	C	Demonstration of Equipments	DEMONSTRATION
325	13	A	Demonstration of Equipments	PERFORMANCE
326	14	B	Qualitative Analysis of Carbohydrates	PERFORMANCE
327	5	C	Qualitative Analysis of Carbohydrates	PERFORMANCE
328	16	A	Qualitative Analysis of Carbohydrates	PERFORMANCE
329	17	B	Test for Monosaccharide(Glucose)- Briefing	PERFORMANCE
330	18	C	Test for Monosaccharide(Glucose)- Briefing	PERFORMANCE
331	19	A	Test for Monosaccharide(Glucose)- Briefing	PERFORMANCE
332	20	B	Glucose (Practical)	PERFORMANCE
334	22	C	Glucose (Practical)	PERFORMANCE
335	23	A	Glucose (Practical)	PERFORMANCE
336	24	B	Fructose- Briefing	PERFORMANCE
337	25	C	Fructose- Briefing	PERFORMANCE
338	26	A	Fructose- Briefing	PERFORMANCE
339	27	B	Fructose- Practical	PERFORMANCE
340	29	C	Fructose- Practical	PERFORMANCE
341	30	A	Fructose- Practical	PERFORMANCE
342	31/12/2025	B	TEST FOR DISACCHARIDES -LACTOSE(BRIEFING)	PERFORMANCE
343	46023	C	TEST FOR DISACCHARIDES -LACTOSE(BRIEFING)	PERFORMANCE
344	2	A	TEST FOR DISACCHARIDES -LACTOSE(BRIEFING)	PERFORMANCE



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345	3	B	Lactose -practical	PERFORMANCE
346	5	C	Lactose -practical	PERFORMANCE
347	6	A	Lactose -practical	PERFORMANCE
348	7	B	Maltose -Briefing	PERFORMANCE
349	8	C	Maltose - Briefing	PERFORMANCE
350	9	A	Maltose- Briefing	PERFORMANCE
351	10	B	Maltose - Practical	PERFORMANCE
352	12	C	Maltose - Practical	PERFORMANCE
353	13	A	Maltose - Practical	PERFORMANCE
354	14	B	Sucrose - Briefing	PERFORMANCE
355	15	C	Sucrose - Briefing	PERFORMANCE
356	16	A	Sucrose - Briefing	PERFORMANCE
357	17	B	Sucrose - Practical	PERFORMANCE
358	19	C	Sucrose - Practical	PERFORMANCE
359	20	A	Sucrose - Practical	PERFORMANCE
360	21	B	Test fpr Polysaccharide-Starch (Briefing)& Practical	PERFORMANCE
361	22	C	Test fpr Polysaccharide-Starch (Briefing) & Practical	PERFORMANCE
362	23	A	Test fpr Polysaccharide-Starch (Briefing) & Practical	PERFORMANCE
363	24	B	Dextrin -- Briefing & Practical	PERFORMANCE
364	26	C	Dextrin -- Briefing & Practical	PERFORMANCE
365	27	A	Dextrin -- Briefing & Practical	PERFORMANCE
366	28	B	Qualitative analysis of proteins- Precipitation reactions of Proteins	PERFORMANCE
367	29	C	Qualitative analysis of proteins- Precipitation reactions of Proteins	PERFORMANCE
368	30	A	Qualitative analysis of proteins- Precipitation reactions of Proteins	PERFORMANCE
369	31/01/2026	B	Color reactions of proteins	PERFORMANCE
370	46054	C	Color reactions of proteins	PERFORMANCE
371	3	A	Color reactions of proteins	PERFORMANCE
372	4	B	Chemistry of Egg White	PERFORMANCE
373	5	C	Chemistry of Egg White	PERFORMANCE
374	6	A	Chemistry of Egg White	PERFORMANCE
375	7	B	Gelatin	PERFORMANCE



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376	9	C	Gelatin	PERFORMANCE
377	10	A	Gelatin	PERFORMANCE
378	11	B	Caesin	PERFORMANCE
379	12	C	Caesin	PERFORMANCE
380	13	A	Caesin	PERFORMANCE
381	14	B	Proteoses & Peptones	PERFORMANCE
382	16	C	Proteoses & Peptones	PERFORMANCE
383	17	A	Proteoses & Peptones	PERFORMANCE
384	18	B	Urine Physical Characteristics & Normal Constituents	PERFORMANCE
385	19	C	Urine Physical Characteristics & Normal Constituents	PERFORMANCE
386	20	A	Urine Physical Characteristics & Normal Constituents	PERFORMANCE
387	21	B	Urine Abnormal Constituents(Urine report)	PERFORMANCE
388	23	C	Urine Abnormal Constituents(Urine report)	PERFORMANCE
389	24	A	Urine Abnormal Constituents(Urine report)	PERFORMANCE
390	25	B & C	Chart A & B	PERFORMANCE
	26	C	REPUBLIC HOLIDAY	PERFORMANCE
391	27	A	Chart A & B	PERFORMANCE
392	28/02/2026	B	Detection of Unknown solution	PERFORMANCE
393	46056	C	Detection of Unknown solution	PERFORMANCE
394	3	A	Detection of Unknown solution	PERFORMANCE
395	4	B	Quantitative estimation of Glucose, Total proteins, Uric acid in blood	PERFORMANCE
396	5	C	Quantitative estimation of Glucose, Total proteins, Uric acid in blood	PERFORMANCE
397	6	A	Quantitative estimation of Glucose, Total proteins, Uric acid in blood	PERFORMANCE
398	7	B	Liver & kidney function tests	DEMONSTRATION
399	9	C	Liver & kidney function tests	DEMONSTRATION
400	10	A	Liver & kidney function tests	DEMONSTRATION
401	11	B	Lipid profile & Interpretation & Discussion of results of biochemical tests	DEMONSTRATION
402	12	C	Lipid profile & Interpretation & Discussion of results of biochemical tests	DEMONSTRATION
403	13	A	Lipid profile & Interpretation & Discussion of results of biochemical tests	DEMONSTRATION
404	14	B	OPD	DEMONSTRATION & PERFORMANCE



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425	16	C	OPD	DEMONSTRATION & PERFORMANCE
426	17	A	OPD	DEMONSTRATION & PERFORMANCE
427	18	B	OPD	DEMONSTRATION & PERFORMANCE
428	19	C	OPD	DEMONSTRATION & PERFORMANCE
429	20	A	OPD	DEMONSTRATION & PERFORMANCE
410	21	B	OPD	DEMONSTRATION & PERFORMANCE
411	23	C	OPD	DEMONSTRATION & PERFORMANCE
412	24	A	OPD	DEMONSTRATION & PERFORMANCE
413	25	B	OPD	DEMONSTRATION & PERFORMANCE
414	26	C	OPD	DEMONSTRATION & PERFORMANCE
415	27	A	OPD	DEMONSTRATION & PERFORMANCE
416	28	B	OPD	DEMONSTRATION & PERFORMANCE
417	30	C	OPD	DEMONSTRATION & PERFORMANCE
418	31/03/2026	A	JOURNAL CHECKING & CERTIFICATION	
419	46026	B	JOURNAL CHECKING & CERTIFICATION	
420	2	C	JOURNAL CHECKING & CERTIFICATION	
421	3	A	JOURNAL CHECKING & CERTIFICATION	
422	4	B	JOURNAL CHECKING & CERTIFICATION	
423	6	C	JOURNAL CHECKING & CERTIFICATION	
424	7	A	JOURNAL CHECKING & CERTIFICATION	



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425	8	B	JOURNAL CHECKING & CERTIFICATION	
426	9	C	JOURNAL CHECKING & CERTIFICATION	
427	10	A	JOURNAL CHECKING & CERTIFICATION	
428	11	B	JOURNAL CHECKING & CERTIFICATION	
429	13	C	JOURNAL CHECKING & CERTIFICATION	
	14	A		
	15	B		
	16	C		
	17	A		
	18	B		
	20	C		
	21	A		
	22	B		
	23	C		
	24	A		
	25	B		
	27	C		
	28	A		
	29	B		
	30/04/2025	C		

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DATE:21/11/2024



## DEPARTMENTAL DISTRIBUTION & YEAR PLAN OF THE SYLLABUS

### ADVANCED TEACHING PLAN

#### Subject – Physiology INCL Biochemistry

Ist BHMS A.Y.2024-25

Sr. No.	Month	System	Subtopic	HOURS	NAME OF TEACHER
1	24-Dec	GENERAL PHYSIOLOGY BIOPHYSICS	GENERAL PHYSIOLOGY CELL JUNCTIONS, TRANSPORT ACROSS CELL MEMBRANE & RESTING MEMBRANE POTENTIAL FILTRATION ULTRAFILTRATION OSMOSIS DIFFUSION ADSORPTION HYDROTROPHY COLLOID DONNAN EQUILIBRIUM TRACE ELEMENTS DIALYSIS ABSORPTION ASSIMILATION SURFACE TENSION BUFFER PH ACID-BASE BALANCE	20	DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PRETI MAHAJAN DR RIZWAN SHAIKH
2	25-Jan	NERVE MUSCLE PHYSIOLOGY	PHYSIOLOGICAL PROPERTIES OF NERVE FIBRES NERVE FIBRE- TYPES, CLASSIFICATION, FUNCTION, DEGENERATION & REGENERATION OF PERIPHERAL NERVES, NEURO MUSCULAR JUNCTION	15	DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PRETI MAHAJAN DR RIZWAN SHAIKH



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	<b>BODY FLUID &amp; IMMUNE SYSTEM</b>	<b>PHYSIOLOGY OF SKELETAL MUSCLE, PHYSIOLOGY OF CARDIAC MUSCLE</b> <b>PHYSIOLOGY OF SMOOTH MUSCLE</b> <b>HOMOEOSTSIS</b> <b>BLOOD</b> <b>PLASMA PROTEINS</b> <b>RED BLOOD CELLS, ERYTHROPOEISIS, HAEMOGLOBIN &amp; IRON METABOLISM</b> <b>ERYTHROCYTE SEDIMENTATION RATE</b> <b>PACKED CELL VOLUME</b> <b>BLOOD INDICES</b> <b>HAEMOLYSIS &amp; FRAGILITY OF RED BLOOD CELLS WHITE BLOOD CELLS</b>		
3	<b>BODY FLUID &amp; IMMUNE SYSTEM</b>	<b>WHITE BLOOD CELLS</b> <b>PLATELEETS</b> <b>HAEMOSTASIS</b> <b>COAGULATION OF BLOOD</b> <b>COAGULATION OF BLOOD</b> <b>BLOOD GROUPS</b> <b>BLOOD TRANSFUSION</b> <b>BLOOD VOLUME</b> <b>RETICULO ENDOTHELIAL SYSTEM &amp; MACROPHAGE</b> <b>LYMPHATIC SYSTEM &amp; LYMPH</b> <b>TISSUE FLUID &amp; OEDEMA</b> <b>TYPES OF SKIN</b> <b>STRUCTURE OF SKIN FUNCTIONS OF SKIN</b> <b>COLOUR OF SKIN</b> <b>APPENDAGES OF THE SKIN</b> <b>HAIR</b> <b>SWEAT GLANDS</b> <b>SEBACEOUS GLAND</b>	35	<b>DR KAVITA CHINCHOLKAR</b> <b>DR NEHA BHALERAO</b> <b>DR PREETI MAHAJAN</b> <b>DR RIZWAN SHAIKH</b>
4	<b>BODY FLUID &amp; IMMUNE SYSTEM</b>			<b>DR KAVITA CHINCHOLKAR</b> <b>DR NEHA BHALERAO</b> <b>DR PREETI MAHAJAN</b> <b>DR RIZWAN SHAIKH</b>
5	<b>BODY FLUID &amp; IMMUNE SYSTEM</b>		15	<b>DR KAVITA CHINCHOLKAR</b> <b>DR NEHA BHALERAO</b> <b>DR PREETI MAHAJAN</b> <b>DR RIZWAN SHAIKH</b>



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6	25-May		CUTANEOUS CIRCULATION TRIPLE RESPONSE	SUMMER VACATION & 1 <sup>ST</sup> TERMINAL EXAMINATION			DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PREETI MAHAJAN DR RIZWAN SHAIKH
7	25-Jun		RESPIRATORY SYSTEM	PHYSIOLOGICAL ANATOMY OF RESPIRATORY TRACT MECHANISM OF RESPIRATION; VENTILATION,DIFFUSION OF GASES, TRANSPORT OF GASES,REGULATION OF RESPIRATION,PULMONARY FUNCTION TESTS	25		DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PREETI MAHAJAN DR RIZWAN SHAIKH
8	25-Jul		RESPIRATORY SYSTEM CARDIOVASCULAR SYSTEM	ARTIFICIAL RESPIRATION,EFFECTS OF EXERCISE ON RESPIRATION, HIGH ALTITUDE & SPACE PHYSIOLOGY, DEEP SEA PHYSIOLOGY INTRODUCTION TO CARDIOVASCULAR SYSTEM,CARDIAC CYCLE,GENERAL PRINCIPLES OF CIRCULATION,HEART SOUNDS REGULATION OF CARDIOVASCULAR SYSTEM, NORMAL & ABNORMAL ELECTROCARDIOGRAM (ECG) CARDIAC OUTPUT HEART RATE ARTERIAL BLOOD PRESSURE RADIAL PULSE REGIONAL CIRCULATION- CEREBRAL, SPLANCHNIC, CAPILLARY, CUTANEOUS & SKELETAL MUSCLE CIRCULATION			DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PREETI MAHAJAN DR RIZWAN SHAIKH
9	25-Aug		CARDIOVASCULAR SYSTEM	CARDIOVASCULAR ADJUSTMENTS DURING EXERCISE INTRODUCTION TO NERVOUS SYSTEM NEUROGLIA RECEPTORS NEUROTRANSMITTERS REFLEX SPINAL CORD	20		DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PREETI MAHAJAN DR RIZWAN SHAIKH
10	25-Sep		CENTRAL NERVOUS SYSTEM	SOMATO-SENSORY SYSTEM & SOMATO – MOTOR SYSTEM	35		DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PREETI MAHAJAN DR RIZWAN SHAIKH



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		PHYSIOLOGY OF PAIN SYNAPSE, BRAIN STEM VESTIBULAR APPARATUS CEREBRAL CORTEX THALAMUS HYPOTHALAMUS INTERNAL CAPSULE BASAL GANGLIA LIMBIC SYSTEM CEREBELLUM- POSTURE & EQUILIBRIUM RETICULAR FORMATION PROPRIOCEPTORS HIGHER INTELLECTUAL FUNCTION. ELECTROENCEPHALOGRAM (EEG) PHYSIOLOGY OF SLEEP CEREBRO SPINAL FLUID(CSF) AUTONOMIC NERVOUS SYSTEM(ANS) INTRODUCTION OF ENDOCRINE & IMPORTANCE OF PNEI AXIS HORMONES & HYPOTHALAMUS-HYPOPHYSICAL AXIS PITUITARY GLAND THYROID GLAND ENDOCRINE FUNCTIONS OF PANCREASE ADRENAL GLAND( CORTEX & MEDULLA) ENDOCRINE FUNCTIONS OF OTHER GLANDS PARATHYROID GLAND MALE REPRODUCTIVE SYSTEM- TESTIS & ITS HORMONES, SEMINAL VESICLES, PROSTRATE GLAND, SEMEN. INTRODUCTION OF FEMALE REPRODUCTIVE SYSTEM OVULATION MENSTRUAL CYCLE MENOPAUSE INFERTILITY PREGNANCY & PARTURITION PLACENTA PREGNANCY TESTS MAMMARY GLANDS & LACTATION		
11	25-Oct	CENTRAL NERVOUS SYSTEM	30	DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PREETI MAHAJAN DR RIZWAN SHAIKH
12	25-Nov	ENDOCRINE SYSTEM	15	DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PREETI MAHAJAN DR RIZWAN SHAIKH
13	25-Dec	REPRODUCTIVE SYSTEM		DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PREETI MAHAJAN DR RIZWAN SHAIKH



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	<p align="center"><b>FERTILITY</b></p> <p align="center"><b>FOETAL CIRCULATION</b></p> <p align="center"><b>EYE: PHOTOCHEMISTRY OF VISION</b></p> <p align="center"><b>VISUAL PATHWAY</b></p> <p align="center"><b>PUPILLARY REFLEXES</b></p> <p align="center"><b>COLOUR VISION</b></p> <p align="center"><b>ERRORS OF REFRACTION</b></p> <p align="center"><b>EAR: AUDITORY PATHWAY</b></p> <p align="center"><b>MECHANISM OF HEARING</b></p> <p align="center"><b>AUDITORY DEFECTS</b></p> <p align="center"><b>SENSATION OF TASTE: TASTE RECEPTORS</b></p> <p align="center"><b>TASTE PATHWAYS</b></p> <p align="center"><b>SENSATION OF SMELL: OLFACTORY RECEPTORS</b></p> <p align="center"><b>OLFACTORY PATHWAY</b></p> <p align="center"><b>SENSATION OF TOUCH</b></p>		
<p align="center">14</p> <p align="center">26-Jan</p>	<p align="center"><b>SPECIAL SENSES</b></p>	<p align="center">20</p>	<p align="center">DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PREETI MAHAJAN DR RIZWAN SHAIKH</p>
	<p align="center"><b>RENAL SYSTEM</b></p>		
<p align="center">15</p> <p align="center">26-Feb</p>	<p align="center"><b>RENAL SYSTEM</b></p>	<p align="center">20</p>	<p align="center">DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PREETI MAHAJAN DR RIZWAN SHAIKH</p>
<p align="center">16</p> <p align="center">26-Mar</p>	<p align="center"><b>DIGESTIVE SYSTEM &amp; NUTRITION</b></p>	<p align="center">35</p>	<p align="center">DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PREETI MAHAJAN DR RIZWAN SHAIKH</p>



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	MOVEMENTS OF GASTROINTESTINAL TRACT GASTROINTESTINAL HORMONES DIGESTION& ABSORPTION OF CARBOHYDRATES, PROTEINS & LIPIDS		
17 26-Apr BIOCHEMISTRY	CARBOHYDRATES ; CHEMISTRY ,METABOLISM, GLYCOLYSIS,TCA,HMP, GLYCOGEN SYNTHESIS,DEGRADATION,BLOOD GLUCOSE REGULATION LIPIDS; CHEMISTRY,METABOLISM, INTESTINAL UPTAKE,FAT TRANSPORT,UTILIZATION OF STORED FAT,ACTIVATION OF FATTY ACIDS,BETA OXIDATION 7 SYNTHESIS OF FATTY ACIDS PROTEINS: CHEMISTRY,METABOLISM, DIGESTION OF PROTEINS,TRANSAMINATION,DEAMINATION, FATE OF AMMONIA,UREA CYCLE,END PRODUCTS OF EACH AMINO ACID & THEIR TCA CYCLE,ENZYMES: DENATATION, CLASSIFICATION,BIOLOGICAL IMPORTANCE,DIAGNOSTIC USE, INHIBITION. VITAMINS: DAILY REQUIREMENT,DIETARY SOURCE, PHYSIOLOGICAL ROLE FAT SOLUBLE & WATER SOLUBLE VITAMINS. MINERALS: DAILY REQUIREMENT,DIETARY SOURCE, PHYSIOLOGICAL ROLE MINERAL METABOLISM ORGAN FUNCTION TESTS MUHS EXAMINATION	25	DR KAVITA CHINCHOLKAR DR NEHA BHALERAO DR PREETI MAHAJAN DR RIZWAN SHAIKH
18 26-May			

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**DEPARTMENTAL DISTRIBUTION & YEAR PLAN OF THE SYLLABUS**

**Subject – Physiology INCL Biochemistry**

**1<sup>st</sup> BHMS A.Y.2024-25**

NAME OF THE TEACHER & DESIGNATION	NOV-24	DEC-24	JAN-25	FEB-25	MAR-25	APR-25	MAY-25
1)DR.SHARMILA.V.PATIL Professor	FOUNDATION PROGRAMME	----- ---	----- ---	----- -----	----- -----	----- -----	----- -----
2) DR. RIZWAN SHAIKH Assistant Professor	FOUNDATION PROGRAMME	BIOPHYSICS	BIOPHYSICS	SKIN & INTEGUMENTARY	NERVE PHYSIOLOGY	NERVE PHYSIOLOGY	CARDIOVASCULAR SYSTEM



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NAME OF THE TEACHER & DESIGNATION	JUNE 2025	JULY 2025	AUGUST 2025	SEPTEMBER 2025	OCTOBER 2025	NOVEMBER 2025
1) DR. SHARMLA Y. PATIL Professor	-----	-----	<b>JOINED IST AUGUST 2025</b> ENDOCRINE SYSTEM	ENDOCRINE SYSTEM	SPECIAL SENSES	REPRODUCTIVE SYSTEM
2) DR. RIZWAN SHAIKH Assistant Professor	CARDIOVASCULAR SYSTEM	CARDIOVASCULAR SYSTEM	CENTRAL NERVOUS SYSTEM	CENTRAL NERVOUS SYSTEM	CENTRAL NERVOUS SYSTEM	DIGESTIVE SYSTEM



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NAME OF THE TEACHER & DESIGNATION	DECEMBER 2025	JANUARY 2026	FEBRUARY 2026	MARCH 2026	APRIL 2026	MAY 2026	JUNE 2026
1) DR. SHARMILA.V.PATIL Professor	REPRODUCTIVE SYSTEM	BIOCHEMISTRY	BIOCHEMISTRY	BIOCHEMISTRY	REVISION PRELIMINARY EXAMINATION	MUHS EXAMINATION	MUHS EXAMINATION
2) DR. RIZWAN SHAIKH Assistant Professor	DIGESTIVE SYSTEM	NUTRITION	RENAL PHYSIOLOGY	RENAL PHYSIOLOGY	REVISION PRELIMINARY EXAMINATION	MUHS EXAMINATION	MUHS EXAMINATION

Place: PALASKHEDA BK JAMNER.

Date: .

**SIGN OF HOD**  
**HOD**

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Name of the Teacher: **DR. SHARMILA V. PATIL**, Subject: **PHYSIOLOGY INCL BIOCHEMISTRY**, Class: **I BHMS**, Academic Year: **2024-25**

NOVEMBER 2024	DECEMBER 2024	JANUARY 2025	FEBRUARY 2025	MARCH 2025	APRIL 2025
FOUNDATION PROGRAMME	-----	-----	-----	-----	-----
MAY 2025	JUNE 2025	JULY 2025	AUGUST 2025	SEPTEMBER 2025	OCTOBER 2025
			JOINED IST AUGUST 2025 ENDOCRINE SYSTEM ENDOCRINE FUNCTIONS OF PANCREASE ADRENAL GLAND (CORTEX & MEDULLA) ENDOCRINE FUNCTIONS OF OTHER GLANDS	SPECIAL SENSES EYE: PHOTOCHEMISTRY OF VISION VISUAL PATHWAY PUPILLARY REFLEXES COLOUR VISION ERRORS OF REFRACTION EAR: AUDITORY PATHWAY MECHANISM OF HEARING AUDITORY DEFECTS	SPECIAL SENSES SENSATION OF TASTE: TASTE RECEPTORS TASTE PATHWAYS SENSATION OF SMELL: OLFACTORY RECEPTORS OLFACTORY PATHWAY SENSATION OF TOUCH

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NOVEMBER 2025	DECEMBER 2025	JANUARY 2026	FEBRUARY 2026	MARCH 2026
<b>REPRODUCTIVE SYSTEM</b> MALE REPRODUCTIVE SYSTEM- TESTIS & ITS HORMONES, SEMINAL VESICLES, PROSTATE GLAND, SEMEN. INTRODUCTION OF FEMALE REPRODUCTIVE SYSTEM MENSTRUAL CYCLE OVULATION	<b>REPRODUCTIVE SYSTEM</b> MENOPAUSE INFERTILITY PREGNANCY & PARTURITION PLACENTA PREGNANCY TESTS MAMMARY GLANDS & LACTATION FERTILITY FOETAL CIRCULATION	<b>BIOCHEMISTRY</b> <b>CARBOHYDRATES;</b> CHEMISTRY, METABOLISM, GLYCOLYSIS, TCA, HMP, GLYCOGEN SYNTHESIS, DEGRADATION, BLOOD GLUCOSE REGULATION <b>LIPIDS:</b> CHEMISTRY, METABOLISM, INTESTINAL UPTAKE, FAT TRANSPORT, UTILIZATION OF STORED FAT, ACTIVATION OF FATTY ACIDS, BETA OXIDATION 7 SYNTHESIS OF FATTY ACIDS <b>PROTEINS:</b> CHEMISTRY, METABOLISM, DIGESTION OF PROTEINS, TRANSAMINATION, DEAMINATION, FATE OF AMMONIA, UREA CYCLE, END PRODUCTS OF EACH AMINO ACID & THEIR TCA CYCLE	<b>BIOCHEMISTRY</b> ENZYMES: DEFINATION, CLASSIFICATION, BIOLOGICAL IMPORTANCE, DIAGNOSTIC USE, INHIBITION. VITAMINS: DAILY REQUIREMENT, DIETARY SOURCE, PHYSIOLOGICAL ROLE FAT SOLUBLE & WATER SOLUBLE VITAMINS. <b>MINERALS:</b> DAILY REQUIREMENT, DIETARY SOURCE, PHYSIOLOGICAL ROLE MINERAL METABOLISM <b>ORGAN FUNCTION TESTS</b>	<b>MUHS EXAMINATION</b>

  
 SIGNATURE OF TEACHER

Place: PALASKHEDA BK JAMNER.

Date:

  
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Name of the Teacher: **DR. RIZWAN SHAIKH**, Subject: **PHYSIOLOGY INCL BIOCHEMISTRY** Class: **I BHMS**, Academic Year: **2024-25**

NOVEMBER 2024	DECEMBER 2024	JANUARY 2025	FEBRUARY 2025	MARCH 2025	APRIL 2025
<b>FOUNDATION PROGRAMME</b> BIOPHYSICS FILTRATION ULTRAFILTRATION OSMOSIS DIFFUSION ADSORPTION HYDROTROPHY COLLOID	<b>BIOPHYSICS</b> DONNAN EQUILIBRIUM TRACE ELEMENTS DIALYSIS ABSORPTION ASSIMILATION SURFACE TENSION BUFFER PH ACID-BASE BALANCE SKIN & INTEGUMENTARY TYPES OF SKIN STRUCTURE OF SKIN FUNCTIONS OF SKIN COLOUR OF SKIN APPENDAGES OF THE SKIN HAIR	<b>BIOPHYSICS</b> DONNAN EQUILIBRIUM TRACE ELEMENTS DIALYSIS ABSORPTION ASSIMILATION SURFACE TENSION BUFFER PH ACID-BASE BALANCE SKIN & INTEGUMENTARY TYPES OF SKIN STRUCTURE OF SKIN FUNCTIONS OF SKIN COLOUR OF SKIN APPENDAGES OF THE SKIN HAIR	<b>SKIN &amp; INTEGUMENTARY</b> SWEAT GLANDS SEBACEOUS GLAND CUTANEOUS CIRCULATION TRIPLE RESPONSE CUTANEOUS CIRCULATION TRIPLE RESPONSE NERVE PHYSIOLOGY PHYSIOLOGICAL PROPERTIES OF NERVE FIBRES NERVE FIBRE- TYPES, CLASSIFICATION, FUNCTION, DEGENERATION & REGENERATION OF PERIPHERAL NERVES	<b>NERVE PHYSIOLOGY</b> NEURO MUSCULAR JUNCTION PHYSIOLOGY OF SKELETAL MUSCLE	<b>NERVE PHYSIOLOGY</b> PHYSIOLOGY OF CARDIAC MUSCLE PHYSIOLOGY OF SMOOTH MUSCLE EMG
<b>MAY 2025</b> <b>CARDIOVASCULAR SYSTEM</b> INTRODUCTION TO CARDIOVASCULAR SYSTEM CARDIAC CYCLE GENERAL PRINCIPLES OF CIRCULATION HEART SOUNDS	<b>JUNE 2025</b> <b>CARDIOVASCULAR SYSTEM</b> REGULATION OF CARDIOVASCULAR SYSTEM NORMAL & ABNORMAL ELECTROCARDIOGRAM (ECG) CARDIAC OUTPUT	<b>JULY 2025</b> <b>CARDIOVASCULAR SYSTEM</b> HEART RATE ARTERIAL BLOOD PRESSURE RADIAL PULSE REGIONAL CIRCULATION- CEREBRAL, SPANCHINIC, CAPILLARY, CUTANEOUS & SKELETAL MUSCLE CIRCULATION	<b>AUGUST 2025</b> <b>CENTRAL NERVOUS SYSTEM</b> INTRODUCTION TO NERVOUS SYSTEM NEUROGLIA RECEPTORS SYNAPSE NEUROTRANSMITTERS REFLEX SPINAL CORD SOMATO-SENSORY SYSTEM & SOMATO - MOTOR SYSTEM PHYSIOLOGY OF PAIN	<b>SEPTEMBER 2025</b> <b>CENTRAL NERVOUS SYSTEM</b> BRAIN STEM VESTIBULAR APPARATUS CEREBRAL CORTEX THALAMUS HYPOTHALAMUS INTERNAL CAPSULE BASAL GANGLIA LIMBIC SYSTEM	<b>OCTOBER 2025</b> <b>CENTRAL NERVOUS SYSTEM</b> CEREBELLUM- POSTURE & EQUILIBRIUM RETICULAR FORMATION PROPRIOCEPTORS HIGHER INTELLECTUAL FUNCTION. ELECTROENCEPHALOGRAPH (EEG) PHYSIOLOGY OF SLEEP CEREBRO SPINAL FLUID(CSF) AUTONOMIC NERVOUS SYSTEM(ANS)



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DIGESTIVE SYSTEM INTRODUCTION TO DIGESTIVE SYSTEM COMPOSITION & FUNCTIONS OF DIGESTIVE JUICES PHYSIOLOGICAL ANATOMY OF STOMACH, PANCREASE, LIVER & GALL BLADDER, SMALL INTESTINE, LARGE INTESTINE MOVEMENTS OF GASTROINTESTINAL TRACT	DIGESTIVE SYSTEM GASTROINTESTINAL HORMONES DIGESTION& ABSORPTION OF CARBOHYDRATES, PROTEINS & LIPIDS NUTRITION CALORIE REQUIREMENT OF BODY SDA BMR SPECIAL GROUPS MACRONUTRIENTS PROTEINS FATS CARBOHYDRATES MINERALS VITAMINS DIETARY CONSIDERATION IN SPECIAL GROUPS ABNORMALITIES OF NUTRITION : ACUTE STARVATION OBESITY PROTEIN-ENERGY MALNUTRITION	RENAL PHYSIOLOGY PHYSIOLOGICAL ANATOMY OF KIDNEY 7 URINARY TRACT FLUID & ELECTROLYTE WITH ACID BASE BALANCE RENAL CIRCULATION	RENAL PHYSIOLOGY URINE FORMATION: RENAL CLEARANCE, GLOMERULAR FILTRATION TUBULAR REABSORPTION SELECTIVE SECRETION CONCENTRATION OF URINE ACIDIFICATION OF URINE RENAL FUNCTION TESTS MICTURITION	MUHS EXAMINATION

SIGNATURE OF TEACHER

Place: PALASKHEDA BK JAMNER.

Date:

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