



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 PATHOLOGY & MICROBIOLOGY**

**Department Infrastructure**

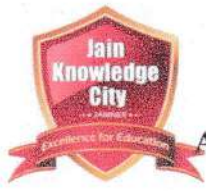
Sr. No	Name of the Department	Required	Available
1	Pathology & Microbiology	175 sq. mtr	93.40 sq. mtr
	Room for teaching and supporting staff		
	Laboratory with museum cum demonstration room		

*Prakash*  
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**PATHOLOGY & MICROBIOLOGY**  
Shri.Prakashchand Jain  
Homoeopathic Medical College,  
Hospital & Research, Palaskheda Bk,  
Jamner, Tal. Jamner, Dist. Jalgaon

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**Departmental Staff Information**

Sr. No.	Name of the Teaching Faculty	Qualification	Designation
1.	Dr. Rubina Hasham Shaikh	M.D	Assistant Professor

**Non-Teaching Staff**

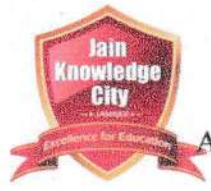
Sr. No.	Name of the Non—Teaching Staff	Qualification	Designation
1.	Mr. Nilesh Bhika Sonawane	10th	Lab Attendant
2.	Mr. Tushar Bavaskar	10th	MTS

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**DEPARTMENT OF PATHOLOGY & MICROBIOLOGY**

**List of Charts**

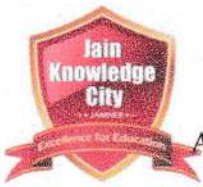
Sr. No.	Name of Charts	Quantity
1	Restrictive pulmonary disease.	1
2	Hypothyroidism	1
3	Neurofibromatosis.	1
4	Deep Vein Thrombosis.	1
5	Metabolic syndrome.	1
6	Rectal Cancer.	1
7	Mouth & Tooth care.	1
8	Diabetic Retinopathy.	1
9	Acute Bronchitis.	1
10	Myocarditis.	1
11	Autoimmune Hepatitis.	1
12	Pulmonary Embolism.	1
13	Diabetes Mellitus Type 1	1
14	Diabetes Mellitus Type 2	1
15	Smoke Inhalation.	1
16	Acute viral hepatitis.	1
17	Gastritis.	1
18	Esophageal Cancer – Adenocarcinoma.	1
19	Stomach Cancer	1
20	Celiac Cancer.	1
21	Mycoplasma Pneumonia.	1
22	Gynecomastia.	1
23	Cystic Fibrosis	1
24	Alcoholic Hepatitis.	1
25	Cholecystitis	1
26	Primary Biliary Cirrhosis.	1
27	Hepatitis - C	1
28	Sarcoidosis.	1
29	Hepatitis-B.	1
30	Hepatitis-A.	1
31	Endocarditis.	1
32	Hyper Parathyroidism.	1
33	Galactorrhea.	1
34	Dilated (congestive) Cardiomyopathy.	1
35	Emphysema.	1
36	Acute Pancreatitis.	1
37	Insulin, Oral type Glycoemic agents & Glucogen.	1
38	COPD: General Treatment Measures	1

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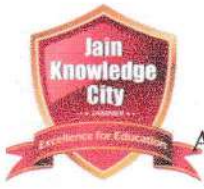
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**DEPARTMENT OF PATHOLOGY & MICROBIOLOGY**

**List of Equipments**

Sr. No.	List of Equipments	Quantity
1	Hot Air Oven.	1
2	Incubator.	1
3	Blood Cell Counter.	1
4	White Plastic Coplin Jar.	1
5	Anaerobic Culture.	1
6	Stop Watch.	1
7	Measuring Cylinder.	1
8	Infantable Pipe Plug.	1
9	Wintrobe Blood Pipette.	1
10	Blood Glucose Monitoring System.	1
11	Coupling Jar for 5 Slides.	1
12	Safranine Stain Solution.	1
13	Ethanol.	1
14	Iodine Solution.	1
15	Crystal Violet M S	1
16	Micro Pipette.	1
17	Agar Agar Bacteriological.	1
18	Spatula.	1
19	Test Tube Rack 15MM.	1
20	Pipette Pump.	1
21	Erlenmeyer Flask 250 ML.	1
22	Test Tube Rack 5 Hole.	1
23	Microprocessor Colony Counter.	1
24	Westergen Pipette for ESR.	1
25	Microscopes with Oil Immersions	25
26	Autoclave	2
27	Microprocessor pH Meter.	1
28	Stop Clock.	1
29	Anerobic Culture jar.	3
30	Haemoglobinometer Sahli's Type.	25
31	Haemocytometer.	25
32	Buffer Solution pH - 9.2	1
33	Buffer Solution pH - 7.0	1
34	Buffer Solution pH - 4.0	1
35	Pipette Volumetric 10 ML	1
36	Burette 500ml with pinch clip.	1



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37	Mortar and Pestle.	1
38	Nessler Cylinder 50ml.	1
39	Fine Capillary Tube CC Box.	1
40	Measuring cylinder 100 ml	1
41	Reflux Flask 250ml with condenser.	1
42	Funnel.	1
43	Clavenger APP. 100 ml	1
44	Rectangular water bath.	4
45	Centrifuge Machine Electric Rotofix.	1
46	Dropper glass with teat	1
47	Dropper Plastic 3ml Graduated	1
48	Beaker Graduated 100 ml BG.	1
49	China Dish.	1
50	Plain Glass Slides.	1

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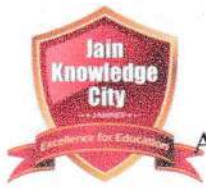
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**List of Models**

Sr. No.	Name of Models	Quantity
1	Myocardial Infarction.	1
2	Diabetes type 2 Foot.	1
3	Lung Cancer.	1
4	Artery.	1
5	Pneumonia.	1
6	Testicular Cancer.	1
7	Carcinoma of the vulva.	1
8	Thyroid Cancer.	1
9	Breast Cancer.	1
10	Bladder Cancer.	1

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**DEPARTMENT OF PATHOLOGY & MICROBIOLOGY**

**Teaching Hours & Syllabus Details**

Year	Teaching Hours-Lectures	Teaching Hours-Non-lectures
II BHMS	200	80

Sr. No	Topic	Hours
<b>Paper—I</b>		
1	Introduction	3
General Pathology		
1	Cell Injury & cellular adaptation	10
2	Inflammation & repair	10
3	Neoplasia*	10
4	Immunopathology	8
5	Haemodynamic Disorders	10
6	Environmental & Nutritional diseases	2
<b>Total</b>		<b>53</b>
<b>Systemic Pathology</b>		
1	Diseases of Haematopoietic system, Bone Marrow & Blood	9
2	Diseases of Respiratory system	5
3	Diseases of Oral Cavity, Salivary Glands & GIT	6
4	Diseases of Liver, Gall Bladder & Biliary Ducts	4
5	Diseases of Pancreas	1
6	Diseases of Blood Vessels & Lymphatics	2
7	Diseases of Cardiovascular System	5
8	Diseases of Kidney & Lower Urinary Tract	6
9	Diseases of Male Reproductive System & Prostate	1
10	Diseases of Female Genitalia & Breast	4
11	Diseases of Skin & Soft Tissue	1
12	Diseases of Musculo-Skeletal System	2
13	Diseases of Endocrine Glands-Thyroid	2
14	Diseases of Nervous System	1
<b>Total</b>		<b>59</b>
<b>Grand Total Hours for Paper—1 = 53 + 59</b>		<b>102</b>

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**DEPARTMENT OF PATHOLOGY & MICROBIOLOGY**

**Teaching Hours & Syllabus Details**

Sr. No.	Topics	Hours
1	<b>General Introduction, Bacterial Structure, Growth &amp; Metabolism &amp; Genetics</b>	3
2	Identification & Cultivation of Bacteria (Staining, Culture Medias, Methods)	3
3	<b>Sterilization &amp; Disinfection</b>	2
4	<b>Infection &amp; Disease</b>	2
5	Gram—Positive Cocci	5
6	Gram—Negative Cocci	2
7	Gram—Positive Aerobic Bacilli	2
8	Gram—Positive Anaerobic Bacilli	3
9	Gram—Negative—Bacilli	9
10	Acid Fast Bacterias	4
11	Spirochaetes	3
12	Fungi-General Characters-Cutaneous, Systemic Mycosis, Opportunistic Infections	3
13	<b>Introduction to Parasitology</b>	2
14	Protozoans	9
15	Helminths-Cestodes, Trematodes & Nematodes	14
16	<b>Virology-Introduction &amp; Bacteriophages</b>	2
17	DNA Virus	11
18	RNA Viruses	12
19	Emerging & Re-emerging Diseases	2
20	Human Microbiome-Homoeopathic Concept	3
21	Diagnostic Procedures in Microbiology	2
	<b>Total Lectures Hours for Paper—2 =</b>	<b>98</b>
	<b>Total Lecture Hours for Paper—1 + Paper—2 = 102 + 98</b>	<b>200</b>

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**DEPARTMENT OF PATHOLOGY & MICROBIOLOGY**

**Teaching Hours & Syllabus Details (Theory-Term I)**

Sr. No.	Topic	Subject Category
1	Introduction to Pathology	General Pathology
2	General Pathology	General Pathology
3	Introduction to Microbiology	Microbiology
4	Sterilisation & Disinfection	Microbiology
5	Culture medias & methods	Microbiology
6	Infection & Disease	General Pathology
7	Human Microbiome	Microbiology
8	Gram positive bacterias	Microbiology
9	Introduction to Virology	Virology
10	Introduction to Parasitology	Parasitology
11	Protozoans	Parasitology

**Non-lecture-Practical/Demonstrative**

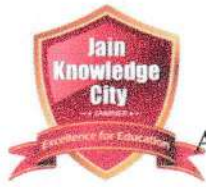
Sr. No.	Topic	Type
1	Demonstration of Instruments	Demo
2	Demonstration of Methods of sterilization	Demo
3	Demonstration of culture medias	Demo
4	Estimation of haemoglobin	Performance
5	Total count of Red Blood Cells	Performance
6	Total count of White Blood Cells	Performance
7	Bleeding time & clotting time	Performance
8	Blood grouping.	Performance
9	Gram staining	Performance
10	Demonstration of histopathological slides	Demo
11	Demonstration of Pathological specimen/models	Demo

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**Teaching Hours & Syllabus Details (Theory-Term II)**

Sr. No.	Topic	Subject Category
1	Systemic Pathology	Systemic Pathology
2	Gram negative bacterias	Microbiology
3	Acid fast bacterias (AFBs)	Microbiology
4	Spirochaetes	Microbiology
5	Virology-DNA, RNA virus	Virology
6	Parasitology - Helminths	Parasitology
7	Mycology	Fungi
8	Diagnostic procedures in Microbiology	Microbiology

**2. Non-lecture-Practical/Demonstrative**

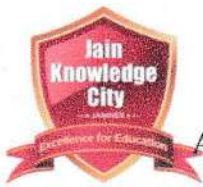
Sr. No.	Topic	Type
1	Staining of thin & thick films.	Performance
2	Differential count.	Performance
3	Erythrocyte sedimentation rate (Demo)	Performance
4	Urine examination-physical, chemical & microscopical examination.	Performance
5	Examination of Faeces	Demo
6	Hanging drop preparation.	Demo
7	Acid fast staining.	Demo
8	Interpretation of laboratory reports (serological tests, LFT, RFT, TFT, etc) & its clinicopathological correlation	Performance
9	Demonstration of common pathological specimens/models from each system	Demo
10	Demonstration of common Pathological slides from each system	Demo

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**Teaching Hours & Syllabus Details (Practical)**

Sr. No.	Non-Lectures (Practicals)	Hours
1	Demonstration of common & latest equipments used in pathology & microbiology laboratory	4
2	Estimation of haemoglobin (by acidometer)	2
3	Total count of Red Blood Cells	2
4	Total count of White Blood Cells	2
5	Bleeding time & Clotting time	2
6	Blood grouping	2
7	Staining of thin & thick films-demonstration	2
8	Differential count of WBC	2
9	Erythrocyte Sedimentation Rate-Demonstration	2
10	Urine examination: Physical, Chemical & Microscopical examination	4
11	Examination of Faeces-demonstration of physical, chemical (occult blood) & microscopical for ova & protozoa	2
12	Demonstration of Methods of sterilization	2
13	Common culture medias-demonstration	1
14	Gram staining	2
15	Acid fast staining-demonstration	2
16	Hanging drop preparation-demonstration	2
17	Interpretation of laboratory reports (serological tests, LFT, RFT, TFT, etc) & its clinico-pathological correlation	5
18	Demonstration of common pathological specimens/models	10
19	Demonstration of common histo-pathological slides	10
	<b>Total Practical</b>	<b>60</b>

**Demonstrative Activities**

Sr. No.	Activity	Hours
1	Seminar/tutorials/Symposium	8
2	PBL/CBL	6
3	Group discussion	6
	<b>Total Demonstrative Activities</b>	<b>20</b>
	<b>Grand Total (60 + 20)</b>	<b>80</b>

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