

K. K. WAGH INSTITUTE OF PHARMACY
e-Content Details of Practicals
prepared by Staff for F.Y.D.Pharm

Sr. No.	Subject Name	Staff	Title of Experiments	Link of self prepared videos	Remark
F.Y. D.PHARM					
1	Pharmaceutics - I	DSS	To know your Pharmaceutics – I (Industrial Pharmacy) Laboratory	https://youtu.be/vDA9ifrCpJo	
2			To understand concept of Labeling.	https://youtu.be/SRSM3HCl-Ck	
3			Introductions to Aromatic Waters To prepare, evaluate & submit Chloroform Water I.P	https://drive.google.com/file/d/IGIAIXCzowUcrid5-8z_FwpAJoSNGhLj/view?usp=sharing	
4			To prepare, evaluate & submit Camphor Water I.P	https://drive.google.com/file/d/lq34kEd-QWvfopsmdPdWvzQtiod0CHXyP/view?usp=sharing	
5			To prepare, evaluate & submit Concentrated Cinnamon Water	https://drive.google.com/file/d/lqHT9pzldPTIQWCHRi05fyTnEaWnhIYx6/view?usp=sharing	
6			To prepare, evaluate & submit Concentrated Peppermint Water I.P	https://drive.google.com/file/d/INKus8xqDouWMzNulcUItjm4JlInlP56r/view?usp=sharing	
7			To prepare, evaluate & submit Concentrated Dill Water I.P	https://youtu.be/4YRGNoH46SD	
8			Introduction to Solutions To prepare, evaluate & submit Benzoic Acid Solution B.P.C	https://youtu.be/gfKr4rLcl7E	

9		To prepare, evaluate & submit Cresol with Soap Solution I.P.	https://youtu.be/w3zmQXmPwqI	
10		To prepare, evaluate & submit Strong Ammonium Acetate Solution B.P.C.	https://youtu.be/z08YaABT2Kg	
11		To prepare, evaluate & submit Aqueous Iodine Solution I.P.	https://youtu.be/8-BepZv6MEw	
12		To prepare, evaluate & submit Weak Iodine Solution I.P.	https://youtu.be/NGn--U09sek	
13		To prepare, evaluate & submit Compound Sodium Chloride Solution I.P.	https://youtu.be/UPBjk5joKjY	
14		To prepare, evaluate & submit Surgical Chlorinated Soda Solution B.P.	https://youtu.be/9zww_TqohvQ	
15		Introduction to Spirits To prepare, evaluate & submit Pappermint Spirit B.P.	https://youtu.be/ssDe8dhAJPc	
16		To prepare, evaluate & submit Aromatic Spirit of Ammonia I.P	https://youtu.be/lvP3CPzib3I	
17		To prepare, evaluate & submit Compound Orange Spirit B.P.	https://youtu.be/bMV7ozxXhZk	
18		Introduction to Tincture To study the effect of Drug to solvent Ratio on Preparation of Orange Tincture I.P.	https://youtu.be/SVDYBaK0toQ	
19		To study the effect of size reduction on preparation of Strong Ginger Tincture I.P.	https://youtu.be/UMGGqTft8GY	

20		To prepare, evaluate & submit Catechu Tincture B.P.	https://youtu.be/wJmD-MdW4vg	
21		To prepare, evaluate & submit Compound Benzoin Tincture I.P.	https://youtu.be/z5ail6hSnA0	
22		Introduction to Extract To prepare, evaluate & submit Liquorice Liquid Extract	https://youtu.be/UkweF8ozj6Y	
23		To prepare, evaluate & submit Vasaka Liquid Extract	https://youtu.be/nrljtKCpSrk	
24		To find the total alkaloidal content in Cinchona powder by continuous hot extraction process	https://youtu.be/vxsSCFMV-pl	
25.		Introduction to Creams To prepare, evaluate & submit Vanishing Cream	https://youtu.be/-T7cSRfUqV4	
26.		To prepare, evaluate & submit Cold Cream	https://youtu.be/wrtVzAK5Taw	
27.		To prepare, evaluate & submit Buffered Cream B.P.	https://youtu.be/5n4ZL94oQYA	
28		Introduction to Cosmetics To prepare, evaluate & submit Calamine Lotion I.P.	https://youtu.be/ipAKEGuWq_c	
29		To prepare, evaluate & submit Clear Shampoo	https://youtu.be/nNfj7tcFnHM	
30		To prepare, evaluate & submit Tooth Paste	https://youtu.be/-D30qRDzXgk	
31		To prepare, evaluate & submit Hair Grooming Gel	https://youtu.be/MzuxnGK5ldk	

32			To prepare, evaluate & submit Lipstick	https://youtu.be/GhNcRY-ieyc	
33			Introduction to Capsules To prepare evaluate & submit Chloramphenicol Capsules I.P.	https://youtu.be/QRzvfhpKkqE	
34			To prepare Liquid Paraffin Microencapsules	https://youtu.be/dg36APYpuSk	
35			To prepare evaluate & submit Magnesium Oxide Capsules U.S.P.	https://youtu.be/mUINbFPI2cs	
36			Introduction to Tablets To prepare evaluate & submit Granules Ready for Compression of Compound Sodium Bicarbonate Tablets I.P.	https://youtu.be/7J8WZkxMxCw	
37			To prepare evaluate & submit Granules Ready for Compression of Calcium Lactate Tablets I.P.	https://youtu.be/3BWJw8T4uk	
38			To prepare evaluate & submit Granules Ready for Compression of Paracetamol Tablets I.P.	https://youtu.be/4Mas_cL7kkM	
39			Introduction to Preparation involving Sterilization To prepare evaluate & submit Sterile Water For Injection I.P.	https://youtu.be/hgQtYQkFzvs	
40			To prepare evaluate & submit Dextrose Injection I.P.	https://youtu.be/tr7MWDa4XlD	
41			Introduction to Ophthalmic Preparations To prepare evaluate & submit Atropine sulphate Eye Drops I.P.	https://youtu.be/ew-RcbWmmRY	

42			To prepare evaluate & submit Boric Acid Eye Lotion	https://youtu.be/4QGtZq9P300	
43			To prepare evaluate & submit Zinc Sulphate Eye Drops I.P.	https://youtu.be/NZBG4kqXbEU	
44			Evaluation of Tablets as per I.P.	https://youtu.be/M48QXDFQ2nY	
45			To prepare evaluate & submit Sodium Chloride Injection I.P.	https://youtu.be/R6ZibM000fi	
46			To prepare evaluate & submit Atropine Sulphate Eye Ointment I.P.	https://youtu.be/vSjkh2XUffY	

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2.	Pharmaceutical Chemistry-I	URG & SMC	Introduction to laboratory.	https://youtu.be/u_KK0dW8oEk	
2.			Study Of laboratory equipments& glassware.	https://youtu.be/kzSGvSYSf4M	
3.			Limit test for Chloride.	https://youtu.be/vN97QcIMTM8	
4.			Limit test for Sulphate.	https://youtu.be/3HVRQ7N7wuw	
5.			Limit test for Iron.	https://youtu.be/Y4eDSd7HT3k	
6.			Limit test for Heavy metal.	https://youtu.be/CwkDqwTf6vY	
7.			Identification tests of Sodium chloride.	https://youtu.be/z09yIXoI5rY	

8.		Identification tests of Sodium bicarbonate.	https://youtu.be/bnF4plmrfKk	
9.		Identification tests of Magnesium sulphate.	https://youtu.be/0a9u0abPzKk	
10.		Identification tests of ferrous sulphate.	https://youtu.be/vQnF-dsV2t8	
11.		Identification tests of sodium acetate	https://youtu.be/nRBf4WGAQEI	
12.		Identification tests of Hydrogen peroxide.	https://youtu.be/aPwfwBDhN_E	
13.		Identification tests of Boric acid.	https://youtu.be/JjylelpNr3E	
14.		Identification tests of Ammonium chloride.	https://youtu.be/qUIC2dhePs	
15.		Limit test for Arsenic.	https://youtu.be/ppmefgmasZI	
16.		Assay of Sodium Bicarbonate.	https://youtu.be/AhSPgVdh-Bs	
17.		Assay of Boric acid.	https://youtu.be/9BethYNzkDc	
18.		Assay of Zinc oxide.	https://youtu.be/5R7q5aA_ohQ	
19.		Assay of Ferrous sulphate.	https://youtu.be/oDhggfDgC0g	
20.		Assay of Iodine.	https://youtu.be/DRXnrPRTuU8	
21.		Assay of Hydrogen peroxide.	https://youtu.be/QB7gNiMAkaU	
22.		Assay of Magnesium sulphate.	https://youtu.be/Fbi_n9wNwdM	

23.			Assay of Calcium gluconate.	https://youtu.be/9vPqVDPfJ7k	
24.			Assay of Sodium chloride.	https://youtu.be/CplNj6Uw2lw	
25.			Assay of Ammonium chloride.	https://youtu.be/sywkoTq2VGY	
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3.	Pharmacognosy	SMC	To Study the Compound Microscope.	https://youtu.be/AtzimF0WN9Y	
2			To Understand technique of section Cutting, Staining and Mounting.	https://youtu.be/IRS9GmW3Alc	
3			To Study the Microchemical Reagent	https://youtu.be/k4Wq6BrqXQg	
4			To Study the Morphological and Microscopical Characteristics of Cinchona bark.	https://youtu.be/ohXYbxlpadQ	
5			To Study the Morphological and Microscopical Characteristics of Cinnamon bark.	https://youtu.be/x-NbavjE5hQ	
6			To Study the Morphological and Microscopical Characteristics of Clove Buds.	https://youtu.be/-bSIOrKJ0co	
7			To Study the Morphological and Microscopical Characteristics of Coriander fruit.	https://youtu.be/6hcAtwXPXc8	
8			To Study the Morphological and Microscopical Characteristics of Datura leaf.	https://youtu.be/pMJQjY0BExE	
9			To Study the Morphological and Microscopical Characteristics of fennel fruit.	https://youtu.be/DIkPIQh_pcQ	
10			To Study the Morphological and Microscopical Characteristics of Ginger Rhizome.	https://youtu.be/f-1Ypqt1IQ8	
11			To Study the Morphological and Microscopical Characteristics of Ipecacuanha root.	https://youtu.be/HI4ELVIDqf8	

12			To Study the Morphological and Microscopical Characteristics of Nux Vomica Seed.	https://youtu.be/z607v3FG-aU	
13			To Study the Morphological and Microscopical Characteristics of Senna Leaf.	https://youtu.be/LNN-onQC0lc	
14			To Study Morphological Characters of carminatives(Ajowan,BlackPepper, Cardamom and Nut meg) and laxatives (Isapghula and Rhubarb)	https://youtu.be/s4ni3Y4Kzcg	
15			To Study Morphological Characters of Drugs acting on Central nervous system (Aconite,Ashwagandha,Ephedra) and Antitussive (Tulsi and Vasaka).	https://youtu.be/IU-05p3s5MQ	
16			To Study Morphological Characters of Anti tumour (vinca) and Antihypertensive (rauwolfia) and diuretic(Gokhru).	https://youtu.be/oqI-fwY7ZGY	
17			To Study Morphological Characters of Antiseptic (Curcuma and Neem) and Vitamin (Amla) and Antirheumatic (colchicum)	https://youtu.be/RBS0Sf6L2sk	
18			To Study Morphological Characters of Perfumes and Flavouring Agent (Sandalwood) and Fibres(Cotton, silk and wool)	https://youtu.be/ksC8Vf0PAjs	
19			To Study Morphological Characters of Antidiabetic drugs(Gymnema) and Unorganized crude drugs(Asafoetida and Kaolin)	https://youtu.be/j8F3wFFfKdk	
20			To Study Morphological Characters of Miscellaneous drugs (Garlic, Liquorice, Shankpuspi and Shatavari)	https://youtu.be/uLpKlvGDyWk	
21			To Identify Unknown Unorganized Powder drug with the help of Physical and chemical test a. Carbohydrates: Acacia, Agar, Algin, Honey, Tragacanth. b. Protein: Gelatin	https://youtu.be/ds36I3GuJyU	
22			To Identify Unknown Unorganized Powder drug with the help of Physical and chemical test a. Tannins: Pale and Black catchu b. Glycosides: Aloe c. Mineral: Kaolin	https://youtu.be/TK5MMm45wjE	

23			To Identify Unknown Unorganized Powder drug with the help of Physical and chemical test a. Lipids: Bees wax b. Resins: Benzion myrrh	https://youtu.be/PzUixFqWKhl	
24			To Identify Unknown Unorganized Powder drug with the help of Physical and chemical test a. Starch. b. Senna c. turmeric	https://youtu.be/kfVWmY4ZHtQ	
25			To Identify Unknown Unorganized Powder drug with the help of Physical and chemical test a. Cotton b. Silk c. wool	https://youtu.be/UHJhtE_flxg	
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4.	BCP	KVB	Learning Overview of Biochemistry and Clinical Pathology	https://youtu.be/Ard4pc_yxSA	
1			Introduction to Biochemistry and Clinical pathology Laboratory.	https://youtu.be/ipRXIIjdmNY	
2			To identify given sample of Carbohydrate by qualitative tests (Glucose)	https://youtu.be/OG3BrwVfxWo	
3			To identify given sample of Carbohydrate by qualitative tests (Lactose)	https://youtu.be/kkVyPzcrkww	
4			To identify given sample of Carbohydrate by qualitative tests (Fructose)	https://youtu.be/V6eRavNko10	
5			To identify given sample of Carbohydrate by qualitative tests (Sucrose)	https://youtu.be/3ST-Cwf5wPQ	

6			To identify given sample of Carbohydrate by qualitative tests (Maltose)	https://youtu.be/SpoRu7E1uLs	
7			To identify given sample of Carbohydrate by qualitative tests (Starch)	https://youtu.be/MG_kziY0tac	
8			To identify given sample of Amino acid by qualitative tests (Tryptophan)	https://youtu.be/XW0m_Xzj5k	
9			To identify given sample of Amino acid by qualitative tests (Tyrosine)	https://youtu.be/tGtdH2PbBcs	
10			To identify given sample of Amino acid by qualitative tests (Cystein)	https://youtu.be/8yyzbgiPiVs	
11			To identify given sample of Amino acid by qualitative tests (Arginine)	https://youtu.be/6IVUyW4yTRo	
12			To identify given sample of Amino acid by qualitative tests (Glycine)	https://youtu.be/ZJmBB2EkC5I	
13			To isolate casein from milk sample and its confirmation by qualitative tests .	https://youtu.be/_tDJYdnm36g	
14			To identify given sample of Protein by Quantitative tests (Albumin)	https://youtu.be/vqm3vGDo5CO	
15			To identify given sample of Protein by Quantitative tests (Gelatin)	https://youtu.be/WYwur9Swhzc	

16			To identify given sample of Protein by Quantitative tests (Casein)	https://youtu.be/DydPo3hHjMM	
17			To study physical & chemical properties of fats & oil	https://youtu.be/RmPORRSgt4o	
18			To conduct test on cholesterol to verified physical properties and chemical tests.	https://youtu.be/VMyTsH43NPg	
19			To detect normal constitutes in given samples of urine by qualitative tests	https://youtu.be/zQlcm8pogPk	
20			To detect abnormal constitutes in given samples of urine by qualitative tests	https://youtu.be/wYO60ssFb7o	
21			To detect abnormal constitutes in given samples of urine by qualitative tests	https://youtu.be/zEZ2nYWWK5Y	
22			To detect abnormal constitutes in given samples of urine by qualitative tests	https://youtu.be/tbMtLP6AYqI	
23			To estimates quantity of Glucose in given sample of urine (by Benedict's quantitative method)	https://youtu.be/U_R-tMoWeGw	

24		To estimates quantity of Creatinine in given sample of urine by Alkaline picrate method (Jaffe's reaction)	https://youtu.be/tssuVxiMPPM	
25		To estimates quantity of Urea nitrogen in given sample of urine by Diacetylmonoxime method	https://youtu.be/lnm3Qum2Qlo	
26		To estimate quantity of total cholesterol in given sample of blood plasma by modified LibermannBurchard reaction.	https://youtu.be/1TgntVe5ojU	
27		To estimate quantity of serum alkaline phosphatase in sample of serum by King Armstrong method.	https://youtu.be/Z3PYJGDo3dw	
28		To estimate quantity of Calcium in given sample of blood serum (C.P.C. Method)	https://youtu.be/V0JdcZ8KD6Y	
29		To estimate quantity of Glucose in given sample of serum(GOD /POD method)	https://youtu.be/yThJo0VhTsU	
30		To study microscopic examination of sputum	https://youtu.be/AEOYtIVsIHw	
31		To study microscopic examination of faeces	https://youtu.be/gPkhonjC5hE	

32			To visit a hospital to study methods of injecting drugs	-	
33			To visit to a pathology to study methods of withdrawal of blood	-	
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5.	Human Anatomy & Physiology	SSK	Introduction to H.A.P. Laboratory and work	https://youtu.be/DxTjDDUF_IA	
2			To study collection of blood sample by pricking and capillary method.	https://youtu.be/K-KYg4AvcAO	
3			To determine bleeding time of own blood by Duke' method	https://youtu.be/hlz8b3U8pMQ	
4			To determine clotting time by capillary glass method.	https://www.youtube.com/watch?v=h-jCdyKASy8	
5			To determine blood group of own blood by ABO system.	https://drive.google.com/file/d/1qDkCW_MGwqhJ5goxZFc-lkQVsHyVcCWp/view?usp=sharing	
6			To study the microscopic structure of human tissues 1. Epithelial tissue 2. Muscular tissue 3. Nervous tissue Connective tissue .	https://www.youtube.com/watch?v=ANXIVeCFrB4	
7			To record the radial pulse rate	https://youtu.be/H1mr6t9v3J4	

8			To record the heart rate using stethoscope.	https://youtu.be/Vg5ObclytGY	
9			To record the blood pressure using sphygmomanometer (dial type, mercury type and digital)	https://youtu.be/2nYZzi5l6Hc	
10			To study the human central nervous system. (CNS)	https://youtu.be/FZRprzd2cY	
11			To study the human respiratory system.	https://youtu.be/JxIPKsUWJvc	
12			To study of human urinary system.	https://youtu.be/rmKJIRu3aos	
13			To study structure and function of human digestive system.	https://youtu.be/IKCmNn5agLw	
14			To study of human male reproductive system	https://youtu.be/_LWX3Ar6d5s	
15			To study of human female reproductive system	https://youtu.be/-L3QHLmnZO8	
			STUDY OF SENSE ORGANS		
16			Skin	https://youtu.be/KJvNh6XKA_g	
17			Eye	https://youtu.be/2iWxTRgYg8k	
18			Ear	https://youtu.be/YQxVICGPaNO	
19			To determine the haemoglobin content and oxygen carrying capacity of the blood by sahli's shellige.	https://youtu.be/BDSIovJFSaA	
20			To find out total white blood cell count (Total leukocyte count TLC) in human blood.	https://youtu.be/IKED3hM8mbo	

21			To find out total Red Blood Cells count in the human blood	https://youtu.be/k7Epa9Rmiv8	
22			To record oral and Aerial the body temperature (and comparison of oral axial temp.) by using clinical thermometer	https://youtu.be/H1mr6t9v3J4	
23			To study the Axial skeletal system of human	https://youtu.be/oUjY06uDpVmg	
24			To study appendicular skeletal system of human	https://youtu.be/o-uemkHNeRQ	
25			To study of human cardiovascular system.(Heart)	https://youtu.be/1BiTtbxueFU	
26			To count obtain differential leukocyte count of own blood (DLG)	https://youtu.be/KDULkIDbv98	
27			To study human organs and their T.S. 1. T.S. of Stomach 2. T.S. of Liver 3. T.S. of Small intestine 4. T.S. of Pancrease 5. V.S. of Kidney 6. T.S. of Testis T.S. of Ovary	https://youtu.be/pisEd6oxjR0	
28			To determine the erythrocytes sedimentation rate (ESR) by wintrobe's method or westergrain's method.	-	
29			To examine of Malarial parasite.	-	

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