

**RK VIGYAN PG COLLEGE  
KALWAR, JAIPUR, RAJ.  
B.SC 2<sup>ND</sup> SEMESTER BOTANY (PRACTICAL)**

S.N.	Paper (I/II/III) & Name	Unit	Topic	Video Link
1	PAPER-2 <sup>ND</sup>		onion root tip	<a href="https://youtu.be/2_bcwdn4BTs?si=RFIkPoFu7R76ijb4">https://youtu.be/2_bcwdn4BTs?si=RFIkPoFu7R76ijb4</a>
2			Onion peel cell	<a href="https://youtu.be/EUXmC84aRFQ?si=Iaad7jdAL9O0rER">https://youtu.be/EUXmC84aRFQ?si=Iaad7jdAL9O0rER</a>
3			Cyclosis in tradescantia spp	<a href="https://youtu.be/wcDW3i3nPTU?si=E5YFuCVM4PfhP--V">https://youtu.be/wcDW3i3nPTU?si=E5YFuCVM4PfhP--V</a>
4			Cassia plant	<a href="https://youtu.be/1MNkSYlpaCc?si=9jHFclhmQAX85HQd">https://youtu.be/1MNkSYlpaCc?si=9jHFclhmQAX85HQd</a>
5			Stomata slide	<a href="https://youtu.be/Qn34DUBYgFQ?si=-QmFFT880pwJBku5">https://youtu.be/Qn34DUBYgFQ?si=-QmFFT880pwJBku5</a>
6			Lycopersicom	<a href="https://youtu.be/5L_R8k2ByA?si=HyuOW0CK7MhBXadN">https://youtu.be/5L_R8k2ByA?si=HyuOW0CK7MhBXadN</a>
7			Study of prokaryotic cells	<a href="https://youtu.be/i3DaydeRb70?si=tTeVKAOaQUf41IUn">https://youtu.be/i3DaydeRb70?si=tTeVKAOaQUf41IUn</a>
8			Virus and bacteria under electron microscope	<a href="https://youtu.be/YJ3KqNFASDk?si=bICmsinnEUaZgB_C">https://youtu.be/YJ3KqNFASDk?si=bICmsinnEUaZgB_C</a>
9			Meiosis in onion flowerbuds experiment	<a href="https://youtu.be/hJttpMnSqiU?si=Us0lInNPSiVt0FPs">https://youtu.be/hJttpMnSqiU?si=Us0lInNPSiVt0FPs</a>
10			Mendal's monohybrid cross	<a href="https://youtu.be/6WnDaapjV58?si=Sv_NEL4NObUs7jZw">https://youtu.be/6WnDaapjV58?si=Sv_NEL4NObUs7jZw</a>

11			<b>Dihybrid cross</b>	<a href="https://youtu.be/XNSDZ8XJOs0?si=k0C7XUmTdygDk8LU">https://youtu.be/XNSDZ8XJOs0?si=k0C7XUmTdygDk8LU</a>
12			<b>Test cross and back cross</b>	<a href="https://youtu.be/KB5DwOlmlde?si=Szo33abpGuaYsPJh">https://youtu.be/KB5DwOlmlde?si=Szo33abpGuaYsPJh</a>

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B.SC 2<sup>ND</sup> SEM. ZOOLOGY (PRACTICAL)**

<b>S.N.</b>	<b>Paper (I/II/III) &amp; Name</b>	<b>Unit</b>	<b>Topic</b>	<b>Video Link</b>
1	PAPER -2 <sup>ND</sup>		anatomy fish	<a href="https://youtube.com/watch?v=xZ2uxf4-I4w&amp;feature=shared">https://youtube.com/watch?v=xZ2uxf4-I4w&amp;feature=shared</a>
2			anatomy cranial nerve fish	<a href="https://youtu.be/HIY8fyqHDkc?si=q4ALv4-8rO_BwfJ">https://youtu.be/HIY8fyqHDkc?si=q4ALv4-8rO_BwfJ</a>
3			internal part fish	<a href="https://youtu.be/FZR0jJtlBhQ?si=bRw12yQpveSQWjFN">https://youtu.be/FZR0jJtlBhQ?si=bRw12yQpveSQWjFN</a>
4			permanent slide striped muscle fibers	<a href="https://youtu.be/xq5-v9TPBF4?si=8KnFW0osGp5dKybO">https://youtu.be/xq5-v9TPBF4?si=8KnFW0osGp5dKybO</a>
5			striped muscle fibers	<a href="https://youtube.com/shorts/yrW2pLAA11E?si=djEBgyWJ74ZYQmYN">https://youtube.com/shorts/yrW2pLAA11E?si=djEBgyWJ74ZYQmYN</a>
6			smooth muscle fibers slide	<a href="https://youtube.com/shorts/JeGk4tt01Gg?si=bEs0az1girTDS6Pp">https://youtube.com/shorts/JeGk4tt01Gg?si=bEs0az1girTDS6Pp</a>
7			slides scales of edible fish	<a href="https://youtu.be/RfBg3NuxcgM?si=ClzWzErGaRUFog1">https://youtu.be/RfBg3NuxcgM?si=ClzWzErGaRUFog1</a>
8			scales of edible fish slides	<a href="https://youtube.com/shorts/nxpNReA8eMg?si=SKGWeNAG8Ju30Kmc">https://youtube.com/shorts/nxpNReA8eMg?si=SKGWeNAG8Ju30Kmc</a>
9			fish scales slide preparations	<a href="https://youtu.be/I_PY76bvf_Q?si=BQSfci9fqsKrk_w7">https://youtu.be/I_PY76bvf_Q?si=BQSfci9fqsKrk_w7</a>

10			feather of birds	<a href="https://youtu.be/xvlyVsIdFIM?si=b1wgP7zKsdIzaAQD">https://youtu.be/xvlyVsIdFIM?si=b1wgP7zKsdIzaAQD</a>
11			hair of permanent slide	<a href="https://youtu.be/zFL_BPtWViE?si=Tyo09PzQQApDpBUq">https://youtu.be/zFL_BPtWViE?si=Tyo09PzQQApDpBUq</a>
12			blood test	<a href="https://youtu.be/xW5xoR2upJg?si=P6yjxpUm547BqHim">https://youtu.be/xW5xoR2upJg?si=P6yjxpUm547BqHim</a>
13			Developmental biology,	<a href="https://youtu.be/VgnqOMAwQTM?si=UXIw9bk6jVPjS5ya">https://youtu.be/VgnqOMAwQTM?si=UXIw9bk6jVPjS5ya</a>
14			study of developmental stages	<a href="https://youtu.be/5enFvhc6hZk?si=S7t1_BrBr7kxxY_G">https://youtu.be/5enFvhc6hZk?si=S7t1_BrBr7kxxY_G</a>
15			osteology skull study of spotting part	<a href="https://youtu.be/0NK4C618sO4?si=GoLVjwbhj3QiYxvT">https://youtu.be/0NK4C618sO4?si=GoLVjwbhj3QiYxvT</a>
16			frog bones	<a href="https://youtu.be/FafHyHVFtTo?si=QZHjQ1ND8lm2Tgxk">https://youtu.be/FafHyHVFtTo?si=QZHjQ1ND8lm2Tgxk</a>
17			rabbit bones study	<a href="https://youtube.com/watch?v=wOaKTEMqyk4&amp;feature=shared">https://youtube.com/watch?v=wOaKTEMqyk4&amp;feature=shared</a>
18			skull of varanus	<a href="https://youtu.be/O9h9DbrJwqo?si=6WFA5wzqUrX9_8X6">https://youtu.be/O9h9DbrJwqo?si=6WFA5wzqUrX9_8X6</a>
19			Sacrum	<a href="https://youtu.be/tB4Ea9MNjIY?si=DI2MwxOgaRs4qble">https://youtu.be/tB4Ea9MNjIY?si=DI2MwxOgaRs4qble</a>
20			pectoral girdle fowl	<a href="https://youtube.com/watch?v=FV8jWQujx7Y&amp;feature=shared">https://youtube.com/watch?v=FV8jWQujx7Y&amp;feature=shared</a>
21			humerus and femur bone of rabbit and fowl	<a href="https://youtube.com/shorts/d1udEOww-Fc?si=6oRKCxhCGWQfoQv">https://youtube.com/shorts/d1udEOww-Fc?si=6oRKCxhCGWQfoQv</a>

22			<b>tibia fibula fowl rabbit varanus</b>	<a href="https://youtube.com/shorts/bnaWIV2g38?si=omTi8xf3Pq38qzJH">https://youtube.com/shorts/bnaWIV2g38?si=omTi8xf3Pq38qzJH</a>
23			<b>radius ulna</b>	<a href="https://youtu.be/O5K6SZpQsBY?si=id2VntSmbzjkOUzK">https://youtu.be/O5K6SZpQsBY?si=id2VntSmbzjkOUzK</a>

**RK VIGYAN PG COLLEGE**  
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**B.SC 2ND SEM. PHYSICS (PRACTICAL)**

S.N.	Paper (I/II/III) & Name	Unit	Topic	Video Link
1	PAPER -2 <sup>ND</sup>		conversion of galvanometer into ammeter	<a href="https://youtu.be/YrJxajgTGBA?si=jngvfCfqDNRBzqmC">https://youtu.be/YrJxajgTGBA?si=jngvfCfqDNRBzqmC</a>
2			conversion of galvanometer into voltmeter	<a href="https://youtu.be/BJ6knIYcJ68?si=UXc63a1HsoILtzJh">https://youtu.be/BJ6knIYcJ68?si=UXc63a1HsoILtzJh</a>
3			Carey foster bridge experiment	<a href="https://youtu.be/5uvkvIKYzHM?si=gJUU3hY-uMf7ym4y">https://youtu.be/5uvkvIKYzHM?si=gJUU3hY-uMf7ym4y</a>
4			study of maximum power transfer	<a href="https://youtu.be/PNQA08wqOCc?si=2zwNn-v3TZUj-V2c">https://youtu.be/PNQA08wqOCc?si=2zwNn-v3TZUj-V2c</a>
5			rise and decay of current in an LR circuit	<a href="https://youtu.be/D79U0sjD1Z0?si=7PSXP83A4JQc89Qd">https://youtu.be/D79U0sjD1Z0?si=7PSXP83A4JQc89Qd</a>
6			behaviour of RC circuit with DC source	<a href="https://youtu.be/rVOjDcxa2jw?si=pHQ4hDO6nemoqtEb">https://youtu.be/rVOjDcxa2jw?si=pHQ4hDO6nemoqtEb</a>

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**B.A/B.SC 2<sup>ND</sup> SEMESTER (GEOGRAPHY PRACTICAL)**

S.N.	Paper (I/II/III) & Name	Unit	Topic	Video Link
1	PAPER-2 <sup>ND</sup>	UNIT-1 <sup>ST</sup>	परिछदिका (Profiles)- परिभाषा, प्रकार ,विधि,	<a href="https://youtu.be/dT97sXNJSpU?si=YH99s9Iaml-Tu2Vp">https://youtu.be/dT97sXNJSpU?si=YH99s9Iaml-Tu2Vp</a>
2			संक्रमक profiles	<a href="https://youtu.be/WgUKyWbS8J0?si=5N8vX6z15raGw0J0">https://youtu.be/WgUKyWbS8J0?si=5N8vX6z15raGw0J0</a>
3			अध्यारोपित profiles	<a href="https://youtu.be/a3uRvRPGGd8?si=c9YbJ9IZRhg6kIbk">https://youtu.be/a3uRvRPGGd8?si=c9YbJ9IZRhg6kIbk</a>
4			मिश्र profiles	<a href="https://youtu.be/jn7EFqgxN4o?si=Bx_iPkrAP0kMqmOf">https://youtu.be/jn7EFqgxN4o?si=Bx_iPkrAP0kMqmOf</a>
5			मौसम उपकरण -साधारण तापमापी	<a href="https://youtu.be/YmSQXws8_Ds?si=Mv0a7k486jzu1fI">https://youtu.be/YmSQXws8_Ds?si=Mv0a7k486jzu1fI</a>
6			मौसम उपकरण -साधारण तापमापी	<a href="https://youtu.be/N5PJ0Kmw2JU?si=TqHJMtdK5pXbH2Fr">https://youtu.be/N5PJ0Kmw2JU?si=TqHJMtdK5pXbH2Fr</a>
7			निद्रदाब मापी	<a href="https://youtu.be/YjsLuutkuQk?si=R3l40Pn4FmA1ibk5">https://youtu.be/YjsLuutkuQk?si=R3l40Pn4FmA1ibk5</a>
8			fortin,swायुदाब मापी	<a href="https://youtu.be/W4GHNqrRa4g?si=5g40_pNPmKjSIPYG">https://youtu.be/W4GHNqrRa4g?si=5g40_pNPmKjSIPYG</a>

9			वायु दिशा सूचक यंत्र	<a href="https://youtu.be/EUWaK5Di5dU?si=7w4SGEY9KBF003k3">https://youtu.be/EUWaK5Di5dU?si=7w4SGEY9KBF003k3</a>
10			वायु वेगयंत्र	<a href="https://youtu.be/EUWaK5Di5dU?si=7w4SGEY9KBF003k3">https://youtu.be/EUWaK5Di5dU?si=7w4SGEY9KBF003k3</a>
11			वर्षा वर्षा मापी यंत्र	<a href="https://youtu.be/2otcSNODHIU?si=GlGGj3azbxltEB4g">https://youtu.be/2otcSNODHIU?si=GlGGj3azbxltEB4g</a>
12			आर्द्रता मापी	<a href="https://youtu.be/GM6PMXoYeMs?si=K1R2LMXDcvbeJjy2">https://youtu.be/GM6PMXoYeMs?si=K1R2LMXDcvbeJjy2</a>
13			आद्रतमपि डिजिटल	<a href="https://youtu.be/e48W38Yso1U?si=aRfcD8TKy95Ub4tu">https://youtu.be/e48W38Yso1U?si=aRfcD8TKy95Ub4tu</a>
14			मौसम प्रतीक	<a href="https://youtu.be/3yMcAvSovfs?si=1fo-KLi07Bt3dxa2">https://youtu.be/3yMcAvSovfs?si=1fo-KLi07Bt3dxa2</a>
15			मौसम मानचित्र जुलाई	<a href="https://youtu.be/YJbYbuVKol0?si=eQaoIK_v7PbCx7Y3">https://youtu.be/YJbYbuVKol0?si=eQaoIK_v7PbCx7Y3</a>
16			मौसम मानचित्र जनवरी	<a href="https://youtu.be/j6k4oORKxpY?si=pgm28sosWW2XaeYa">https://youtu.be/j6k4oORKxpY?si=pgm28sosWW2XaeYa</a>
17		UNIT-2 <sup>ND</sup>	क्लाइमोग्राफ	<a href="https://youtu.be/x4H0BTUF9G4?si=ehDlhTwIqBHUvIxD">https://youtu.be/x4H0BTUF9G4?si=ehDlhTwIqBHUvIxD</a>
18			हीधर ग्राफ	<a href="https://youtu.be/EtG5FMv_f9U?si=L_0Z59hxNhv7QrIh">https://youtu.be/EtG5FMv_f9U?si=L_0Z59hxNhv7QrIh</a>
19			क्लिमेटो ग्राफ	<a href="https://youtu.be/U5-EkPXjnFo?si=GD9wOZWbVD9IDPAx">https://youtu.be/U5-EkPXjnFo?si=GD9wOZWbVD9IDPAx</a>



20			जल बजट आरेख	<a href="https://youtu.be/MDrIw8UEfs8?si=CCkUnZ9NyqYzD69U">https://youtu.be/MDrIw8UEfs8?si=CCkUnZ9NyqYzD69U</a>
21			पवन आरेख	<a href="https://youtu.be/EjVO9TvGZDY?si=acCnEutPOTGPwkjz">https://youtu.be/EjVO9TvGZDY?si=acCnEutPOTGPwkjz</a>
22			सर्वेक्षण अर्थ प्रकार	<a href="https://youtu.be/FOlcZckiMzI?si=nv0EP_Tw22if_W-X">https://youtu.be/FOlcZckiMzI?si=nv0EP_Tw22if_W-X</a>
23			जरीब ,फीता उपकरण	<a href="https://youtu.be/auFx7hgJNKs?si=xbZ9RXPtldF8DvWI">https://youtu.be/auFx7hgJNKs?si=xbZ9RXPtldF8DvWI</a>
24			जरीब फीता सर्वे	<a href="https://youtu.be/XC8PDh_Xyk4?si=-7go6cHg8I-mZHYp">https://youtu.be/XC8PDh_Xyk4?si=-7go6cHg8I-mZHYp</a>

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**KALWAR, JAIPUR, RAJ.**  
**B.SC 2<sup>ND</sup> SEMESTER (CHEMISTRY PRACTICAL)**

S.N.	Paper (I/II/III) & Name	Unit	Topic	Video Link
1	PAPER –	Volumetric Analysis, Inorganic chemistry	Determination of alkali content in antacid tablet using HCL	<a href="https://youtu.be/ICSsKis0Zmo?si=fIQbAoB1XtY2N8dE">https://youtu.be/ICSsKis0Zmo?si=fIQbAoB1XtY2N8dE</a>
2			Determination of acetic acid in commercial vinegar using NaOH	<a href="https://youtu.be/Z9zKsxepGLQ?si=k1OWaSP3r0ntIxrI">https://youtu.be/Z9zKsxepGLQ?si=k1OWaSP3r0ntIxrI</a>
3			Estimation of calcium content in chalk as calcium oxalate by permanganometry method	<a href="https://youtu.be/56P9gqFXtZ4?si=0UMOTtHGUSIJs7jp">https://youtu.be/56P9gqFXtZ4?si=0UMOTtHGUSIJs7jp</a>
4			Estimation of calcium content in chalk as calcium oxalate by permanganometry method	<a href="https://youtu.be/237C9wtxc_Q?si=jkYji6r2LS4weBLA">https://youtu.be/237C9wtxc_Q?si=jkYji6r2LS4weBLA</a>
5			Estimation of hardness of water by EDTA	<a href="https://youtu.be/85tMHHOj7PU?si=ixs0xjRs7rmaAZkZ">https://youtu.be/85tMHHOj7PU?si=ixs0xjRs7rmaAZkZ</a>
6			Estimation of ferrous and ferric by dichromate /permanganate method	<a href="https://youtu.be/m55bbYzvhjA?si=CXQcSQva_etcool8">https://youtu.be/m55bbYzvhjA?si=CXQcSQva_etcool8</a>
7			Estimation of copper using thiosulphate by isometric method	<a href="https://youtu.be/jlWPg9MNWSw?si=FtjRshnRXzRIfAvu">https://youtu.be/jlWPg9MNWSw?si=FtjRshnRXzRIfAvu</a>
8		Organic chemistry practical	Identification of organic compound through the function group analysis	<a href="https://youtu.be/3DH6GQVDouo?si=B19bNUa4BKq2dp2y">https://youtu.be/3DH6GQVDouo?si=B19bNUa4BKq2dp2y</a>
9			Functional groups aldehyde and ketones test	<a href="https://youtu.be/OtHgBUS31QM?si=ztasypLIw7A8A4MK">https://youtu.be/OtHgBUS31QM?si=ztasypLIw7A8A4MK</a>

10			Functional groups ester test	<a href="https://youtu.be/BUker3H93d4?si=jr4LqBFq9YilbCkp">https://youtu.be/BUker3H93d4?si=jr4LqBFq9YilbCkp</a>
11			Functional groups alcohol test	<a href="https://youtu.be/u7IUbXkhXBQ?si=8wDcue3WDi5A8Ljw">https://youtu.be/u7IUbXkhXBQ?si=8wDcue3WDi5A8Ljw</a>
12			Functional groups aniline	<a href="https://youtu.be/FEa7Akf730A?si=jVXOmR4HoJ2tFGKi">https://youtu.be/FEa7Akf730A?si=jVXOmR4HoJ2tFGKi</a>
13			Functional group nitro test	<a href="https://youtu.be/wJRCx55MYTE?si=POLgR2yapQ3q_C_g">https://youtu.be/wJRCx55MYTE?si=POLgR2yapQ3q_C_g</a>
14			Functional groups amines test	<a href="https://youtu.be/L3fakNmzds?si=i54agGRxEwm2-4v">https://youtu.be/L3fakNmzds?si=i54agGRxEwm2-4v</a>
15			Functional groups carbohydrates test	<a href="https://youtu.be/NpKSho8E7Ms?si=nZvrRHsRuxmRyaxq">https://youtu.be/NpKSho8E7Ms?si=nZvrRHsRuxmRyaxq</a>
16			Functional groups test for carboxylic acid	<a href="https://youtu.be/euL_NWZ34Z8?si=WwYFCsFPbV_2kq8e">https://youtu.be/euL_NWZ34Z8?si=WwYFCsFPbV_2kq8e</a>
17			Functional groups amide test	<a href="https://youtu.be/rKC6QNUm9Qg?si=JvynWJunndAEI8jz">https://youtu.be/rKC6QNUm9Qg?si=JvynWJunndAEI8jz</a>
18		Physical chemistry practical	To determine the specific reaction rate of hydrolysis of methyl acetate ethyl acetate catalyzed by hydrogen ions at room temperature	<a href="https://youtu.be/tuz5LuEmjm0?si=wWF9jZk9gwVFc4r2">https://youtu.be/tuz5LuEmjm0?si=wWF9jZk9gwVFc4r2</a>
19			To study the effect of acid strength on the hydrolysis of ester.	<a href="https://youtu.be/YbFdRFdkG3s?si=kpzxd9kzS2dN7KIJ">https://youtu.be/YbFdRFdkG3s?si=kpzxd9kzS2dN7KIJ</a>
20			To compare the strength of HCl and H <sub>2</sub> SO <sub>4</sub> by studying the Kinetics of hydrolysis of ethyl acetate	<a href="https://youtu.be/70SEj-YaNdI?si=08G-cU971hpi-8sQ">https://youtu.be/70SEj-YaNdI?si=08G-cU971hpi-8sQ</a>
21			To Study kinetically the reaction rate of decomposition of iodide by H <sub>2</sub> O <sub>2</sub>	<a href="https://youtu.be/JXXjv4MXZyU?si=wNx8qIObmvWyQz0T">https://youtu.be/JXXjv4MXZyU?si=wNx8qIObmvWyQz0T</a>

22			To Study kinetically the reaction rate of decomposition of iodide by H <sub>2</sub> O <sub>2</sub>	<a href="https://youtu.be/eV-OoCiOTg0?si=gqfdB6COYmenF23qU">https://youtu.be/eV-OoCiOTg0?si=gqfdB6COYmenF23qU</a>
23			Estimation of calcium content in chalk as calcium oxalate by permanganometry.	<a href="https://www.youtube.com/live/t9wa1MB-4Eg?si=IzakQZYHykvj_jLS">https://www.youtube.com/live/t9wa1MB-4Eg?si=IzakQZYHykvj_jLS</a>