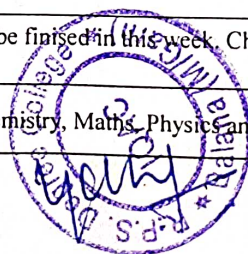


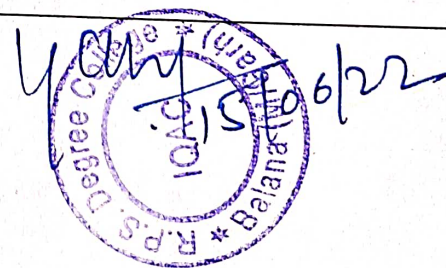
R.P.S. Degree College, Balana

Feedback from Students (15-06-2022)

SR. NO.	CLASS	FEEDBACK
1	B.Sc Non Medical 6th Sem Section A	Physical Chemistry (Ms. Gajal) need extra lectures one unit is pending. Rest is good and will be finished in next week.
2	B.Sc Non Medical 6th Sem Section B	Physical Chemistry & Organic Chem need extra class (one unit pending). All other is good and will be finished soon
3	B.Sc Non Medical 6th Sem Section C	Physical Chemistry & Inorganic Chemistry need extra class (one and half unit pending). Others are good
4	B.Sc Non Medical 6th Sem Section D	Inorganic Chemistry need extra class. Other subjects are in good state.
5	B.Sc. 6th Sem Medical Section A	Physical Chemistry & Inorganic Chemistry syllabus are lacking behind and Syllabus of others are good & will be finished by next week.
6	B.Sc. 6th Sem Medical Section B	Syllabus of all subjects is in Comfortable position and almost on completion.
7	B.Sc. Honors Math 6th Sem	Syllabus of all subjects is in Comfortable position and almost on completion.
8	B.Sc. Honors Physics 6th Sem	EMT half unit is pending Dr. Jyoti, Mathematical Physics Uttam Sir both need extra classes.
9	B.Sc. Honors Chemistry 6th Sem	Dr. Priyanka Jain IC II need extra class. Other subjects are in comfortable position.
10	B.A. 6th Sem	Syllabus of History is pending and need more lectures. Rest is good
11	B.Com. 6th Sem	Almost last unit in all the papers. Will be completed by 22-06-2022
12	B.Sc. 4th Sem Non Medical Section A	Physical Chemistry by Deepak Nain need extra class. Almost last unit in all the other papers. Will be completed by 22-06-2022
13	B.Sc. 4th Sem Non Medical Section B	Almost last unit in all the papers. Will be completed by 22-06-2022
14	B.Sc. 4th Sem Non Medical Section C	Almost last unit in all the papers. Will be completed by 22-06-2022. Combined with B section by Shankar Sir to complete the syllabus
15	B.Sc. 4th Sem Non Medical Section D	Physical and Inorganic (Jyoti Sharma and Dr. Priyanka Jain) (One Unit left behind), Rest is good.
16	B.Sc. Medical 4th Sem Section A	Almost last unit in all the papers. Will be completed by 22-06-2022
17	B.Sc. Medical 4th Sem Section B	Dr. Priyanka Jain syllabus is lacking behind. All other good. Will be finished in next week.
18	B.Com. 4th Sem	In Comfortable position and almost on completion.
19	B.A. 4th Sem	Economics two chapters are left behind, Geography one chapter and practicals are left behind. History 3-4 lesson and Map is left behind. Pol Science 3 chapters are left behind.
20	B.Sc. Honors Math 4th Sem	Stat Practicals are left behind, Programming in C only one Chapter (three are left behind), Physics one section left behind, Chemistry syllabus is also left behind
21	B.Sc. Honors Physics 4th Sem	Syllabus of all subjects is running smooth. Atomic need extra lectures.
22	B.Sc. Honors Chemistry 4th Sem	Physics one unit pending Dr. Jyoti and Ms. Priya.
23	B.Sc Non Medical 2nd Sem Section A	KTG by Uttam Sir, All chemistry need around three lectures per subject to complete the syllabus, ODE by parveen sir need extra class
24	B.Sc. Non Medical 2nd Sem Section B	KTG by naveen sir is pending, Physical by Gourav Sir both need extra class
25	B.Sc. 2nd Sem Medical	Almost last unit in all the subjects. Will be finished by end of this week.
26	B.Sc. Honors Physics 2nd Sem	Almost done in all subjects and will be finished in this week. Chemistry lab is also started and will be finished by the next week
27	B.Sc. Honors Chemistry 2nd Sem	One unit is pending in Inorganic Chemistry, Maths, Physics and Botany



28	B.Sc. Honors Maths 2nd Sem	Almost done in all subjects and will be finished in this week except chemistry which need more classes.
29	B.Com. 2nd Sem	Almost done in all subjects and will be finished by next week positively.
30	B.A. 2nd Sem Section	Almost Done but Three chapters are left behind in Geography (Rahul Sir). Rest is good
31	M.Sc. Physics 4th Sem Section A	Around 80% covered. Need 10-15 days to complete the syllabus
32	M.Sc. Physics 4th Sem Section B	10-15 Days required to complete the syllabus.
33	M.Sc. Maths 4th Sem Section A	Syllabus of all the subjects is in good condition and will be finished by next week.
34	M.Sc. Maths 4th Sem Section B	Inner products need more lecture.
35	M.Sc. Inorganic Chemistry 4th Sem	Medicinal Chemistry 50%, Main group 1 unit pending, Solid State one unit pending, Organomettalic one unit pending
36	M.Sc. Organic Chemistry 4th Sem	Organic Synthesis one unit pending, Disconnection one and half unit pending, Alkaloid one and half, Medicinal Chem one and half, Computational Chem
37	M.Sc. Physical Chemistry 4th Sem	Polymer Chemistry need more lectures
38	M.Sc. Physics 2nd Sem	Last unit is pending in almost all subjects and will be completed in 10 days.
39	M.Sc. Chemistry 2nd Sem	Almost about to complete in all the subjects. Need one week
40	M.Sc. Maths 2nd Sem A	Syllabus of Topology, Field Extension are lacking behind
41	M.Sc. Maths 2nd Sem B	Syllabus of Topology, Field Extension are lacking behind
42	M.Sc. Geography 4th Sem	More than 85% syllabus and will be finished by 10 days.
43	M.Sc. Geography 2nd Sem	4 unit is going on and need atleast 10 days to complete the syllabus
44	M.Sc. Botany 2nd Sem	70-80% syllabus in almost all subjects. Atlest 10-15 days to cover the syllabus. Practicals are not done. Projector problem
45	M.Sc. Zoology 2nd Sem	Mamta Raghav one and half unit is pending. All others are good
46	M.Com 2nd Sem	Almost syllabus Completed (around 95%)

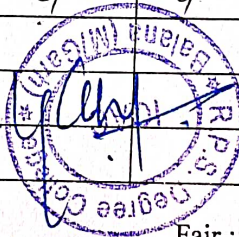


RPS Degree College, Balana, Mahendergarh

Student's Feed Back: Session

Course: Hons. Physics.

Sr. No.	Subject	Name of Faculty	Presentation & Communication Skill	Subject Knowledge & Coverage	Use of Resources	Interactive Teaching	Motivation	Approach ability Beyond Class Hours	Total (30)
1.	Mathematical Physics	So milk. Sir.	4	3	3	4	5	4	23
2.	POM.	Archana Sahoo mam	3	2	3	2	4	3	17
3.	Statistical physics	Sachin Sir.	4	4	3	4	3	4	22
4.	ED	Poonam mam	4	3	4	3	4	3	21
5.	FMT	Jyoti mam	4	4	4	4	4	4	24
6.	Nano	Titender Sir.	5	4	4	5	5	5	28
7.									
8.									
9.									



Outstanding : 5,

Very Good : 4,

Good : 3,

Fair : 2,

Unsatisfactory : 1



RPS

DEGREE COLLEGE
MOHINDERGARH (HR)

Approved by DGHE/Govt. of Haryana
Affiliated to I.G.U. Meerpur (Rewari)



Session 2021-22

Name DR. PRIYANKA JAIN Designation ASSISTANT PROFESSOR

Subject INORGANIC CHEMISTRY Session 2021-22

Branch CHEMISTRY Semester III Section B

TEACHER'S DIARY, ATTENDANCE & SESSIONAL RECORD



B. Sc IIIrd Semester

Paper IX (Theory) Inorganic Chemistry

Max. Marks: 29

CH-301

Time: 3 Hrs.

Note: Examiner will set nine questions and the candidates will be required to attempt five questions in all. Question number one will be compulsory containing five short answer type questions covering the entire syllabus and will be of five marks. Further, examiner will set two questions from each section and the candidates will be required to attempt one question from each section which will be of six marks each

Section-A

Chemistry of Elements of 1st transition series:

Definition of transition elements, position in the periodic table, General characteristics & properties of 1st transition elements, Structures & properties of some compounds of transition elements -- TiO_2 , VOCl_2 , FeCl_3 , CuCl_2 and $\text{Ni}(\text{CO})_4$

Section-B

Chemistry of Elements of IIrd & IIIrd transition series

General characteristics and properties of the IIrd and IIIrd transition elements
Comparison of properties of 3d elements with 4d & 5d elements with reference only to ionic radii, oxidation state, magnetic and Spectral properties and stereochemistry

Section-C

Coordination Compounds

Werner's coordination theory, effective atomic number concept, chelates, nomenclature of coordination compounds, isomerism in coordination compounds, valence bond theory of transition metal complexes

Section-D

Non-aqueous Solvents

Physical properties of a solvent, types of solvents and their general characteristics, reactions in non-aqueous solvents with reference to liquid NH_3 and liquid SO_2



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COURSE OBJECTIVE

RPS Degree College, Balana (Mahendergarh)

Department of Chemistry

Session 2019-20 (Odd)

Learning Objectives & Outcomes

B.Sc 3rd Sem.

Subject : Inorganic Chemistry

Subject Code: CH-301

Learning Objective

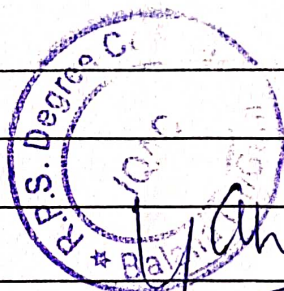
This course enables the student

1. To understand the general characteristics of d block elements.
2. To understand properties of aqueous and non aqueous solvents.
3. To make student capable of understanding and studying nomenclature and classification of coordination compounds.
4. To understand the key features of coordination compounds, including:
 - Oxidation states and electronic configurations.
 - Coordination numbers
 - Ligands and chelates.
 - Bonding of complexes.

Learning Outcomes

Upon successful completion of the course, it is intended that a student will be able to

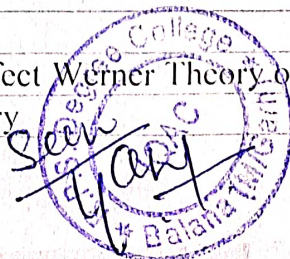
1. Recognize the types of isomers in coordination compounds.
2. Name coordination compounds and draw the structure based on its name.
3. The student should be familiar with the basic knowledge of the non aqueous solutions and their applications in analytical chemistry.
4. Explain the typical physical and chemical properties of the transition metals.





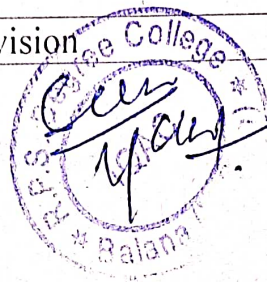
LESSON PLAN

Name of Teacher	Dr. Priyanka Jain
Class	B.Sc.III
Subject	Inorganic Chemistry (CII-301)
Week	Topics
1 (13/09/21-18/09/21)	Definition of transition elements, position in the periodic table Position in the periodic table
2 (20/09/21-25/09/21)	Electronic configuration of d Block elements Physical Properties of d Block elements Atomic radii, Ionic Radii
3 (27/09/21-2/10/21)	Heat of Atomization, Metallic Character Reducing nature, Colour of d Block elements Holiday
4 (04/10/21-08/10/21)	Colour of d Block elements Magnetic Properties Revision
5 (11/10/21-16/10/21)	Comparison of 3d series with 4d and 5d Class Test-I Holiday
6 (18/10/21-23/10/21)	Comparison of 3d series with 4d and 5d Revision of Unit I TiO ₂ & VOCl ₂ structure
7 (25/10/21-30/10/21)	FeCl ₃ , CuCl ₂ structure Ni (CO) ₄ Revision of Unit II
8 (01/11/21-06/11/21)	Diwali Holiday Holiday Holiday
9 (08/11/21-12/11/21)	Introduction Of Co-ordination Compounds Ligands, Structure of Ligands Nomenclature of complex
10 (15/11/21-20/11/21)	Nomenclature of complex Class Test- II
11 (22/11/21-27/11/21)	Isomerism Isomerism EAN Rule
12 (29/11/21-04/12/21)	Chelate Effect Werner Theory of co-ordination VBT Theory



511a
511a
511E
5110

	VBT Theory
13 (06/12/21-10/12/21)	Physical properties of a solvent
	Physical properties of a solvent
	Liq NH ₃ , reactions and Properties
14 (06/12/21-10/12/21)	Liq NH ₃ , reactions and Properties
	Class Test- III
15 (13/12/21-18/12/21)	Liq SO ₂ , reactions and Properties
	Liq SO ₂ , reactions and Properties
	Revision
16 (20/12/21-25/12/21)	Revision
	Revision
	Revision



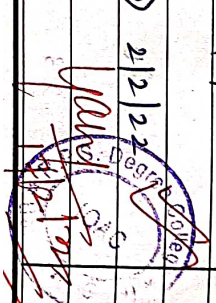
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COVERAGE SCHEDULE

Working Week/Date	Portion to be Covered	Actual Coverage	Reason for Discrepancy, if any	Plans for Compensation in backlog	Signed by	Checked by	Attendance
1) 14/9/21	D-Block elements (Unit I); General introduction, definition proof EC.	—	—	—	Biswanta Jaisi		14
2) 15/9/21	Subtopic computation of d-Block elements	—	—	—	Biswanta Jaisi		11
3) 20/9/21	atomic radio Trends	—	—	—	Biswanta Jaisi		19
4) 22/9/21	Ionic radio: density, MP	—	—	—	Biswanta Jaisi		22
5) 28/9/21	metallic character, Atomic ionization energy	—	—	—	Biswanta Jaisi		23
6) 29/9/21	Reducing character & Reactivity	—	—	—	Biswanta Jaisi		24
7) 4/10/21	variable Oxidn state	—	—	—	Biswanta Jaisi		29
8) 6/10/21	↳ Tendency to form complex ↳ colored compx.	—	—	—	Biswanta Jaisi		29
9) 11/10/21	Magnetic character	—	—	—	Biswanta Jaisi		21
10) 12/10/21	Ferromagnetic, Ferrimagnetic Antiferromagnetic	—	—	—	Biswanta Jaisi		18
11) 13/10/21	Character - J	—	—	—	Biswanta Jaisi		20
12) 10/10/21	Discussion of ISE, Comparison of 3d with 4d, 5d; etc atomic radio.	—	—	—	Biswanta Jaisi		24

COVERAGE SCHEDULE

Working Week/Date	Portion to be Covered	Actual Coverage	Reason for Discrepancy, if any	Plans for Compensation in backlog	Signed by	Checked by	Attendance
25) 18/12/21	Applications of VB theory	—	—	—	Burgankar Jain		18
27) 14/12/21	Class test-3	—	—	—	Burgankar Jain		19
28) 15/12/21	Unit-IV Non-aqueous solvents	—	—	—	Burgankar Jain		18
29) 20/12/21	Revision & copy sheet	—	—	—	Burgankar Jain		25
30) 21/12/21	Types of chemical rxn	—	—	—	Burgankar Jain		22
31) 22/12/21	log NH ₃	—	—	—	Burgankar Jain		24
32) 29/12/21	Rn of log NH ₃	—	—	—	Burgankar Jain		22
33) 4/1/22	chemistry of alkali metals in log NH ₃	—	—	—	Burgankar Jain		13
34) 5/1/22	log SO ₂	—	—	—	Burgankar Jain		14
35) 7/1/22	Mutual Rn of SO ₂	—	—	—	Burgankar Jain		15
36) 10/1/22	Revision of Unit-4	—	—	—	Burgankar Jain		9
37) 15/1/22	Revision of Unit-3	—	—	—	Burgankar Jain		12
38) 22/1/22	Revision of Unit-3	—	—	—	Burgankar Jain		5
39) 1/2/22	Revision of Unit-I	—	—	—	Burgankar Jain		17
40) 2/2/22	Revision of Unit-II	—	—	—	Burgankar Jain		15



 Burgankar Jain



RAO PAHLAD SINGH DEGREE COLLEGE

(Approved by DGHE / Govt. of Haryana & Affiliated to Indira Gandhi University, Meerpur)

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E-mail: rpabalana@gmail.com, Website: www.rpsdegreecollege.org

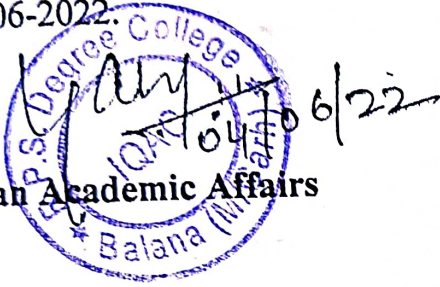
Ref. No. RPSDC/DAA/2022/12

Date: 04-06-2022

CIRCULAR

All the heads are hereby requested to submit the details of syllabus covered by the faculty members in their respective classes held till 31-05-2022. The details can be submitted in the proforma enclosed herewith. Last date to submit the details in the office of Dean Academics is 07-06-2022.

Dean Academic Affairs



A copy of the above is forwarded to followings:

1. Director, RPSGOI
2. Principal, RPSDC
3. Registrar, RPSGOI
4. All Heads

R.P.S Degree College, Balana (M.Garh)

Syllabus Coverage Schedule till 30/06/2022

Department: Geography.....

Sr. No.	Name of Teacher	Class & Section	Subject	% of Syllabus Completed
1.	Rahul Sharma.	B.A. 6 th Sem.	Physical Geo.	100% ✓
		M.Sc. 4 th Sem.	Research metho.	100% ✓
		M.Sc. 2 nd Sem.	Economic Geo	100% ✓
2.	Hemant Kumar	M.Sc 2 nd Sem	Geo. Thoughts	100% ✓
			Oceanography	100% ✓
3.	Charu Yadav	B.A. 4 th Sem	Human Geo	100% ✓
		M.Sc. 4 th Sem	Social Geo.	100% ✓
		M.Sc. 4 th Sem	Master mgt	100% ✓
		M.Sc 2 nd Sem	Population Geo	100% ✓
4.	Ashil Kumar	B.A. 6 th Sem	RS & GIS	100% ✓
		M.Sc. 2 nd Sem	Statistical.	100% ✓
		M.Sc 4 th Sem	Application gis	100% ✓
		M.Sc 4 th Sem.	Hydrology	100% ✓

