

RAMA DEVI WOMEN'S UNIVERSITY, VIDYA VIHAR BHUBANESWAR-22

		BHODANES WAK-22	
Ř.,	held o	Proceeding of the meeting of the Board of Studies	hemes brig Dept. of chom, ethinershy Othic.
Angelone or con-	Mem	bers Present:	
	1	Dre Mamala Mokanlij	
	2.	5 mbf. (Dr) Sontosim Patra	
14	3.	Porf. Suchante Kumon Bavamali Dr. Dharibi Rath	
	5.	Dr. Swapna Sankar Nayak	
	6.	Dr Mrs Kreishna Kalpana Patnaik.	
	7.		
	8.		
		The recommendations of the Board in respect of the Regulations. I	cted as Chairman of the Detailed Syllabus, Text
	Воо	oks and other items are appended the prescribed form.	
29	_	nature of the Members:-	CHAIRMAN*
	1 %	Mrotanti (M. Mohan 15) Mali-24/4/23 (S. Patra)	Markanhi 24.4.23
	2.		
	3⊚	Eltommle 24.4.23 (S.K. Badmali)	
	4.	(S. S. Patnair)	
	5.	Thitrail (K. K. Padrair)	
	6.	Daffy 123 (D. Raik)	
	7.	24/4/2 C Nain)	

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Proceedings of the BOS meeting in Chemistry held on 24.04.2023

A meeting of the Board of Studies in Chemistry for the academic session 2023-2024 was eld on 24.04.2023 at 11.30 am in the Department of Chemistry of Rama Devi Women's University, Bhubaneswar and following resolutions were made unanimously.

1. Head of the Department of chemistry, R. D. Women's University was the Chairman of the Board of Studies of Chemistry for the academic year 2023-2024.

UG PROGRAMME:

- 2. Model syllabus for +3 degree science Chemistry (HONS/PASS) under CBCS system was revised and approved.
- 3. One paper i.e. "Inorganic materials of Industrial Importance" is included as an alternative to project in DSE-4, in addition to the paper "Analytical methods in chemistry" from the academic session 2023-24.
- 4. The names for the Board of Conducting Examiners, Moderation Board & Paper Setters for different semesters of UG programme were recommended
- 5. It was recommended that second unit (i.e. 25% of total four units) of each subject and paper is hereby earmarked for student self study (vide DHE Letter no -20119 dt 19.06.2020) to ensure that self study is taken by the students. Mid-semester examination in all subjects/papers shall preferably be based on self-study portion of the syllabus.

PG PROGRAMME:

- 6. Syllabus for M.Sc. Chemistry from the academic session 2023-2024 was prepared as per the course structure of the Rama Devi Women's University and approved.
- 7. The names for the Board of Conducting Examiners, Moderation Board & Paper Setters and Examiners for 1st and 2nd semesters of P. G. programme were recommended.
- 8. Question pattern for PG programme as per RDWU, regulation was approved by the members of the Board of Studies.
- 9. Syllabus for skill based course /Value added courses were recommended.
- 10. Members authorized Chairman, Board of Studies to take decision for any other matters related to Examination in future.

11. In case of any unavoidable circumstances the decision of the Controller of

Examination will be final.

* Porctions Revised.

Signature of the members:

GE A-1/I/B-I

GE B-II/I/B-I

Copy anached

1. Manuala Motranty Motrants

2. Surchanta K Badamali Surmali 24.4.23

3. Dhavitoi Rath

4. Krishna Yakpoona Patraik

5. Grama Cante ar Mayal

5. Santosini Patra

7. July 17323

2. Santosini Patra

7. July 17323

SYLLABUS FOR UNDER GRADUATE COURSE IN **CHEMISTRY**

(Bachelor of Science Examination)

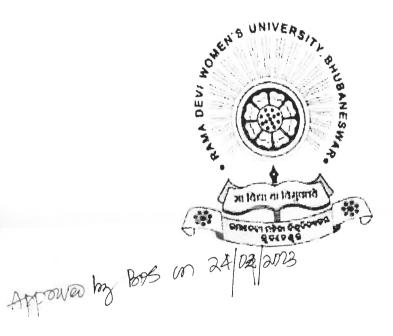


VIDYA VIHAR, BHUBANESWAR-22

UNDER CHOICE BASED CREDIT SYSTEM

SYLLABUS FOR POST GRADUATE PROGRAMME TWO YEAR COURSE EXAMINATIONS UNDER CHOICE BASED CREDIT SYSTEM (CBCS) w.e.f. The Academic Session 2023-24

M.Sc. CHEMISTRY



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RAMA DEVI WOMEN'S UNIVERSITY,

Vidya Vihar, Bhubaneswar-751022,Odisha,India

www.rdwuniversity.nic.in

SYLLABUS FOR UNDER GRADUATE COURSE IN CHEMISTRY

(Bachelor of Science Examination)

RAMA DEVI WOMEN'S UNIVERSITY 73.721.
VIDYA VIHAR, BHUBANESWAR-22

UNDER CHOICE BASED CREDIT SYSTEM



RAMA DEVI WOMEN'S UNIVERSITY, VIDYA VIHAR BHUBANESWAR-22

Proceeding of the meeting of the Board of Studies in Chemillag
held on 09.05. 2022 at at
Bhoi Nagar. Bhubaneswar-22.
Members Present:
1. Dre Maria Mohanly 2. Culticelani Bilmarly
3. Krishav Kalpomar Parnomh 4. Swapa Sankar Nazale
4. Swapa Sankar Nagale
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6.
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Prof. Dr. Mamala Mohanty, HOD, Chem, R.D. w. Univernity, BBSL Board for the Academic year 2022 2023
The recommendations of the Board in respect of the Regulations, Detailed Syllabus. Text Books and other items are appended the prescribed form.
Signature of the Members:-
CHAIRMAN
1. Manata Motanty q.5.2022 Must arts 2022
2 Krishaa dalmana Rus
3. Culcha lanni Bilina. 5.2022
4. Compra Salv Dych 9.5.22
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oceedings of the BOS meeting in Chemistry held on 09.05.2022

A meeting of the Board of Studies in Chemistry was held on 09.05.2022 at 11.30 am in examination Board Room of Rama Devi Women's University, Bhubaneswar and following solutions were made unanimously.

- 1. Head of the Department of chemistry, R.D. Women's University will be the Chairman of the Board of Studies of Chemistry for the academic year 2022-2023.
- 2. Model syllabus for +3 degree science Chemistry (HONS/PASS) under CBCS system was approved in toto.
- 3. It was recommended that second unit (i.e.25% of total four units) of each subject and paper is hereby earmarked for student self study.(vide DHE Letter no -20119 dt 19.06.2020). to ensure that self study is taken by the students mid semester examination in all subjects/papers shall preferably be based on self-study portion of the syllabus.
- 4. It was recommended that Analytical Methods in Chemistry paper will be treated as DSE-IV alternative to project like 2019 AB.
- 5. The names for the Board of Conducting Examiners, Moderation Board & Paper Setters for different semesters were recommended.
- 6. Members authorised Chairman Board of Studies to take decision for any other matters related to Examination in near future.
- 7. In case of any unavoidable circumstances the decision of the Controller of Examination will be final.
 - 8. Syllabus of Two Value added Courses "Lab Techniques & SOP of Lab Equipments" and "Green Chemistry for Safer Environment" was approved from Academic Session 2022-23:

Signature of the members:

1. Marriala Motanty 9.5. 2022 Motorto 2. Krishrar-Kolpomo, Potroih 3. Sulhalanni Bilina 9.05.2022 Motorto 9.05.2022 J. Rikmal 4. Supra Sun Dyl 9.5.22



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RAMA DEVI WOMEN'S UNIVERSITY, VIDYA VIHAR BHUBANESWAR-22

Proceeding of the meeting of the Board of Studies
held on 13/07 30.2 at
Bhoi Nagar, Bhubaneswar-22.
Members Present:
1. Dr. Mamala Motanty 2. Dre Sarlasini Patra
2. Dre Santasini Patra 3. Shot Kreishna Kalpana Patraik 4. Sulchalonni Bilwal
5.
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Prof. Dr. Manala Molarly, HeD Chemistris selected as Chairman of the Board for the Academic year 2021.
The recommendations of the Board in respect of the Regulations, Detailed Syllabus. Text Books and other items are appended the prescribed form.
Manala Mohartin. Manala Mohartin. CHAIRMAN 13.7.21. Dalu (Santai - Patra) Rotrock (Vishrortopener Petrock) S. Bipward (Suphalami 12, i ward)

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Preoccedings of the BOS neeting in chomisty held on 13.7.2021.

A meeting of the Boated of the 2 dudies in Good elemestry was held on 13.7.2021 at 11 am and in the Dept of chemistry, R.D. womens University, Bhuhaneswate and following recoolutions were made chanimously,

Nomen's University well be the Chaireman of the Board of Studies of chemistry fore.

The Board of Studies of chemistry fore.

S. Syllabus fore +3 ofegree Science Chemistry
Hour and Pall Lenden system was appreared
are proposed toto.

3. The names fore the Board of Conducting Examiners, paper setters & Modercalian Board fore different Semester Examinations were recommended,

A. Memberes authoreised Chaireman of the Board of Opendonching announcements. Studies to take decission fore any other matters rectated to Examination in near fecture.

5: In case of any unavoidable circumalfances the decession of the Controllere of Examination will be final.

Mro Ranko Matra Moranta Matra Moranta Moranta Moranta Moranta Moranta Cor. Carlosini (Snt Krishna Ralpana. Patraix

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DA OF THE B.O.S MEETING IN RESPECTIVE SUBJECTS FOR 2021-2022

To recommend the name with Contact No (Whatsapp) and email id for Board of Conducting Examiners, Moderation Board & Paper Setters for the following +3 Degree (Arts, Science & Commerce) / PG/B Ed/Ph.D (Course Work) Examination 2021-22 in the prescribed format.

- To recommend the list of Examiners (External & Internal) for PG/B.Ed./Ph.D(Course Work)
 - To recommend the Syllabus of the ±3 Degree PG/B.Ed./ Ph.D (course work) Examination 2021.
 - (i) The Final copy of the Syllabus as recommended is to be signed by the members in the first page
 - (ii)Any addition/ deletion /correction is to be signed by the members in the relevant page(s).

3 Degree Examinations

- a) +3 Degree1st, 3rd & 5th Semester Arts/Science/Commerce(Pass & Hons) Regular Examination,2021 (Model Syllabus).
- b) +3 Degree 2nd , 4th & 6th Sem. Arts/Science/Commerce(Pass & Hons) Regular Examination, 2022 (Model Syllabus).

P.G Examinations.

- a. M.A./M.Sc./M.Com. 1st Sem. & 3rd Sem. (CBCS) Reg. & Back Examination 2021
- b. M.A./M.Sc./M.Com. 2nd Sem. & 4th Sem. (CBCS) Reg. & Back Examination 2022.

B.Ed Examination

B.Ed 1st Yr and 2nd Yr Reg. & Back Examination 2021/22.

Ph.D

PhD-course work Examination 2021

5.other matters if any.

CONTROLLER OF EXAMINATION

N.B.: The members are requested to finalize the items as per the Agenda. The Proceedings of the meeting will be signed by the controller of Examinations before meeting is over as desired by Vice-Chancellor.



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RAMA DEVI WOMEN'S UNIVERSITY, VIDYA VIHAR BHUBANESWAR-22

Proceeding of the meeting of the Board of Studies Chemisbuy
held on 25.8.3020 at 11.00 A.M/P.M. in the University Office,
Bhoi Nagar, Bhubaneswar-22.
Members Present:
Prof. P. K. Sahoo,
2. Ros Dr. Mamata Mokarty
1. Dr. Santosini Padha
1. Dr Janière Rangan Mohanty
1. Dr. Janière Ranjan Mohanty 5. Sml Kreeshna Kalpana Patrain
5.
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Prof./Dr. Mounala Motarity HOD, Chemistry is selected as Chairman of the Board for the Academic year 2020 - 21.
The recommendations of the Board in respect of the Regulations, Detailed Syllabus, Text Books and other items are appended the prescribed form.
Signature of the Members :-
Manale Molaria 25-8. 2020
. Ashope
. Santonin Patre.
. Janine Ranjan Mohanty
· Krishra Kalpana Podnaik

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Jution of the Board of Studies Meeting of Chemistry of on 25.8-2020 at 11 am.

Following recolutions were made unanimously:

- 1. The chaireman of the Board of Gudies of Chomistry for the year 2020-21 will be the HOD, chemistry of R.D. Women's University, Bhubaneswar.
- 2. Syllabus fore +3 degree Science. Home Chemistry (Hors) and Para CBCS semestere course was recommended.
- 3. The Regal mames oforthe Board of Conducting Examinent Papere Setters, Moderealism Board fore both different Semestire/tereminal examination were recommended.
- 4. Members authorised Chaireman of the Board of Studies to take decission fore any other matters related to Examination in near fulures.
 - 5. The blended Learening approach fore the UG Course (Hors/Paus/GE), Unit-2 is adopted as per Govi Rules (HE Lellen no 20119/HE dt 19.6:20)
 - be In case of any unavoidable circumstances the decision of the Controller of Examination will be Hénal.

Manata Molarhiag. 8-2020

Kraishow Valpana Parnaik. 25.08.2020

Jamini Ranjan Moharty 25.08.2020.

Santosini Patra. 25/08/2020



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RAMA DEVI WOMEN'S UNIVERSITY, BHUBANESWAR

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Members Present:	10 10
Members Present: 1. Jacobs 1964 1416 (Prof	PK Salvou)
, ITM (Smukbow) DP	
3. Santonini latra,	
4. Tamini R. Mohamly	
5. Manieta Mehanlij	
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The recommendations of the Board in respect of the +3 Degree Regulations, Detailed Common Syllabus, Text Books and other items for +3 Degree Course are appended with the prescribed form effective from the year 2019-20.

Signature of the Members:

Manala Notato. CHAIRMAN

,	Jack MON 15/4/4
1.	750
2.5	Monnifore-Din. Santonini Patra.
3.	Santorini latra.
4.	Jamini R. Mohanly
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cedings of the Board of Studies meeting 285 Chemistry held on 16.4.19 at IPM. and

Following Resolution and made

1) State model syllabus fore under Greaduate course in chemistry under CBCS cyctem is adopted en toto from a willi effect from me year 2019-20.

1) Dreaft regulation fon 13 degree course recommended by Government effective from 2019-20 forc clause (12.3) es suggested as given below

· The question papers shall be divided into

Part I will caretry 12 one march questions in answere (12 marks) (1×12=12 marks).

· Parct-II will carery 10 two mark questions of which 8 have to be answered. The answer Zhould be coether 45 worlds max. (2x8=16man

· Paret III Will carerry 4 eignt mark questions of FITHER OR foremad. The EITHER OR in question will be unifwise. The appwere should be within 1800 words maximum cars (8x4=32)

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STATE MODEL SYLLABUS FOR UNDER GRADUATE COURSE IN CHEMISTRY (Bachelor of Science Examination)

UNDER CHOICE BASED CREDIT SYSTEM

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Startante 9.

Monata Motarty
HOD, Chemistry, RDWU

Course structure of UG Chemistry Honours

Semester	Course	Course Name	Credits	Total marks
I	AECC-I	AECC-I	04	100
	C-I	Inorganic Chemistry-I	04	75
	C-I Practical	Inorganic Chemistry-I Lab	02	25
	C-II	Physical Chemistry-I	04	75
	C-II Practical	Physical Chemistry-I Lab	02	25
	GE-I	GE-I	04	75
	GE-I Practical	GE-I Lab	02	25
		Total	22	400
II	AECC-II	AECC-II	04	100
	C-III	Organic Chemistry-I	04	75
	C-III Practical	Organic Chemistry-I Lab	02	25
	C-IV	PhysicalChemistry-II	04	75
	C-IV Practical	PhysicalChemistry-II	02	25
	GE-II	GE-II	04	75
	GE-II Practical	GE-II Lab	02	25
		Tota	22	400
III	C-V	Inorganic Chemistry-II	04	75
	C-V Practical	Inorganic Chemistry-II Lab	02	25
	C-VI	Organic Chemistry-II	04	75
	C-VI Practical	Organic Chemistry-II Lab	02	25
	C-VII	Physical Chemistry-III	04	75
	C-VII Practical	Physical Chemistry-III Lab	02	25
	GE-III	GE-III	04	75
	GE-III Practical	GE-III Lab	02	25

	SEC-I	SEC-I		04	100
TXZ	C Tyres		Tot	al 28	500
IV	o viii	Inorganic Chemistry-III		04	75
	C-VIII Praction	al Inorganic Chemistry-III L	ab	02	25
	C-IX	Organic Chemistry-III		04	
	C-IX Practical	Organic Chemistry-III Lab)	02	75
	C-X	Physical Chemistry-IV			25
	C-X Practical	Physical Chemistry-IV Lab		04	75
	GE-IV)	02	25
	GE-IV Practica	GE-IV (Theory)		04	75
	SEC-II	To the (Fractical)		02	25
	SEC-II	SEC-II		04	100
Semester			Total	28	500
		Course Name		Credits	Total marks
V	C-XI	OrganicChemistry-IV	-	04	
	C-XI Practical	OrganicChemistry-IV		02	75
	C-XII	PhysicalChemistry-V	-	04	25
	C-XII Practical	PhysicalChemistry-V			75
	DSE-I	DSE-I		02	25
	DSE-I Practical	DSE-I Lab		04	75
	DSE-II	DSE-II		02	25
	DSE-II Practical	DSE-II Lab		04	75
	- swelloui	DSE-II Lab		02	25
VI	CVIII		tal	24	400
	C-XIII	Inorganic Chemistry- IV		04	75
	C-XIII Practical	Inorganic Chemistry-IV		02	25
	C-XIV	OrganicChemistry-V	+	04	75
	C-XIV Practical	OrganicChemistry-V		02	25
	DSE-III	DSE-III		04	
1	DSE-III Practical	DSE-III Lab		1	75
				02	25

	TOTAL	148	2600
		24	400
DSE-IV	Dissertation	06	100*
OR			_
DSE-IV Practical	DSE-IV Lab	02	25
DSE-IV	DSE-IV	04	75

Discipline Specific Elective Papers: (Credit: 06 each)

(4 papers to be selected by students of Chemistry Honours): DSE (1-IV)

- 1. PolymerChemistry
- 2. GreenChemistry
- 3. Industrial Chemicals & Environment
- 4. Inorganic Materials of IndustrialImportance
- *Dissertation (can be opted as alternative of DSE-IV only and of 6 credits.

 Dissertation content: 60, Seminar cum Viva:40)
- 6. Analytical Methods in Chemistry(Alternative)

HONOURSPAPERS:

Core course – 14papers

Discipline Specific Elective – 4 papers (out of the 6 papers suggested)

Generic Elective for non-Chemistry students – 4 papers. In case the University offers 2subjects as GE, then papers 1 and 2 will be the GE paper.

Marks per paper - Midterm: 15 marks, End term: 60 marks, Practical- 25 marks Total - 100 marks Credit per paper - 6

Teaching hours per paper – 40 hours Theory classes + 20 hours Practical classes

SYLLABUS: CHEMISTRY SEMESTER-I CORE PAPER I INORGANIC CHEMISTRY-I

COURSE OUTCOMES:

After reading this paper, students will be able to have

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