CURRICULUM AND ITS RELEVANCE TO LOCAL /NATIONAL /REGIONAL/GLOBAL NEEDS

B.Sc. Chemistry (H) Course Details

Sr. No.	Paper Code	Paper Name	Local/Regional/National/Global	Description need for student
1	BSCCHE -101	INORGANIC CHEMISTRY-1	National	Covers basic inorganic chemistry concepts. Topics include atomic structure,
	Walter Park		Sales Contractions	periodic properties, and bonding.
2	BSCCHE -102	PHYSICAL CHEMISTRY-1	National	Introduces principles of physical chemistry. Focuses on thermodynami cs, chemical kinetics, and quantum mechanics.
3	GE-1	ANIMAL DIVERSITY	Regional	Explores classification and diversity of animals. Discusses their morphological and physiological adaptations.
4	AECC-1	ENGLISH COMMUNICATION	Global	Develops communicatio n skills in English. Covers

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				reading, writing, speaking, and listening.
5	BSCCHE -201	ORGANIC CHEMISTRY-1	National	Introduces fundamental organic
				chemistry.
				Covers
				structure,
				properties, and
				reactions of
				organic
_	Daggue	DITTION		molecules.
6	BSCCHE	PHYSICAL	National	Discusses
	-202	CHEMISTRY-2		phase
				equilibria,
			THE PARTY OF THE P	solutions, and
	1		The second secon	electrochemistr
				y. Focuses on
	***************************************			their
	21 A. A	TT I VEST		applications in
	Physicanics (HEDEUK	real-world
7	CE 2	ANIMAL CELL	Deci- 1	chemistry.
/	GE-2	ANIMAL CELL	Regional	Covers
		BIOTECHNOLOGY	THE NAME OF STREET	fundamental
			The second of the second	techniques in
				biotechnology. Includes cell
			The second second	
			483	culture, gene
		The same of the same of	of the house	cloning, and molecular
		The state of the s	STATE OF THE PROPERTY OF THE P	
8	AECC-2	ENVIRONMENTAL	Global	biology. Examines
0	AECC-2	SCIENCE	Global	environmental
		SCIENCE		issues and
				sustainability.
	1 , , , , , , ,			Focuses on
	20			conservation
		6.7		and pollution
				control.
9	BSCCHE	INORGANIC	National	Studies
,	-301	CHEMISTRY-2	1 tational	coordination
	551			chemistry and
			The state of the same of the s	organometallic
		(AJ	SI	s. Explores
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				reaction
				mechanisms
				and
				applications.
10	BSCCHE	ORGANIC	National	Covers
10	-302	CHEMISTRY-2	Tuttonar	reaction
	302	CHEMIOTRI 2		mechanisms in
				organic
				chemistry.
				Discusses
				synthesis and
				properties of
				key organic
				compounds.
11	BSCCHE	PHYSICAL	National	Introduces
	-303	CHEMISTRY-3		quantum
		A STATE OF THE PARTY OF THE PAR		chemistry and
	1 - 1 - 1 - 1			spectroscopy.
	72 0			Covers
	1 2 2			statistical
			To I BEEN BL	mechanics and
	COLUMN DIS		A STATE OF THE STA	thermodynami
	42 74 4		CHIEFER J. BUILD	cs.
12	GE-3	AQUATIC	Regional	Explores
		BIOLOGY		aquatic
				ecosystems
	1, 10	37 1		and
				biodiversity.
				Discusses
			The second second	adaptation and
		The same of the sa		conservation
		The state of the s	of the same	strategies.
13	SEC-1	IT SKILLS FOR	National	Develops IT
1		CHEMISTS		skills relevant
				to chemistry.
	1			Covers data
				analysis,
				visualization,
				and chemical
				software.
14	BSCCHE	INORGANIC	National	Discusses
14	The second secon	The second secon	Ivational	
	-401	CHEMISTRY-3		advanced
				inorganic
				chemistry
	March Springer			concepts.
				Covers

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				hioin-
				bioinorganic
			Market School College	chemistry and
				catalysis.
15	BSCCHE	ORGANIC	National	Focuses on
	-402	CHEMISTRY-3		heterocyclic
				chemistry and
				biomolecules.
				Discusses
				drugs, dyes,
				and polymer
				synthesis.
16	BSCCHE	PHYSICAL	National	Covers surface
	-403	CHEMISTRY-4		chemistry,
-100				adsorption, and
		4		catalysis.
				Discusses their
				applications in
				industries.
17	GE-4	ENVIRONMENT	Global	Examines
		AND PUBLIC		environmental
- 11		HEALTH		policies and
	100000000000000000000000000000000000000		TO SECURITION OF THE PROPERTY	public health.
	1 1/2 8		PERSONAL DESIGNATION OF THE PERSON OF THE PE	Focuses on
	10 1002/00/00		PROPERTY OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF THE PROPERTY AND ADDRESS OF THE PROPERTY ADDRESS OF TH	pollution
				control and
1				sustainable
				development.
18	SEC-2	FUEL CHEMISTRY	National	Discusses
				different types
			The second second	of fuels and
			the same of the sa	their
			Marie and M. Brancow	properties.
100		- Australia	A STATE OF THE STA	Covers
			ett.	petroleum
				refining and
				alternative
				fuels.
19	BSCCHE	ORGANIC	National	Studies
	-501	CHEMISTRY-4	1 included	advanced
	201	CHEMIOTRI-T		organic
				synthesis
				techniques.
				Includes
	1.			pericyclic
				reactions and
		1	CAULS	molecular
		()	10000	moleculai

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				rearrangements
20	BSCCHE -502	PHYSICAL CHEMISTRY-5	National	Covers electrochemistr y, surface phenomena, and photochemistr y. Discusses real-world applications.
21	DSE-1	ANALYTICAL METHODS IN CHEMISTRY	National	Introduces instrumental techniques for chemical analysis. Covers spectroscopy, chromatograph y, and electrochemica 1 methods.
22	DSE-2	POLYMER CHEMISTRY	National	Discusses polymerization techniques and polymer properties. Covers industrial and biomedical applications.
23	BSCCHE -601	INORGANIC CHEMISTRY-4	National	Focuses on solid-state chemistry and bioinorganic chemistry. Discusses applications in medicine and industry.
24	BSCCHE -602	ORGANIC CHEMISTRY-5	National	Covers advanced synthetic strategies in organic chemistry.

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				Discusses pharmaceutical
				and material
				applications.
25	DSE-3	BIO-INORGANIC	National	Explores metal
		CHEMISTRY		ions in
				biological
				systems.
				Covers
				metalloprotein
	1000			s, enzymes,
				and medicinal
				chemistry.
26	DSE-4	BIO-ORGANIC	National	Discusses
		CHEMISTRY		organic
				molecules in
				biological
				systems.
				Covers
				enzyme
				catalysis,
	September Street	Helica III II I	SOCIETY AND DESCRIPTION	nucleic acids,
	10.753		THE RESIDENCE OF THE PROPERTY	and bio-
	Sel su continue	research to the state of the st	The second	mimetic
	21			chemistry.



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