ज्ञान-विज्ञान विमुक्तये

GOVERNMENT NAVEEN COLLEGE BORI

BORI, DIST- DURG, [C.G.], INDIA, 491001

AFFILIATED TO HEMCHAND YADAV UNIVERSITY, DURG (C.G.)

NATIONAL EDUCATION POLICY 2020

AT A GLANCE

Topics to be discussed…

- Introduction
- Key Features of NEP 2020
- Myths and Facts
- Difference Between Earlier Education Policies and NEP 2020
- Terminologies Related to NEP 2020
- Curriculum framework
- Assessment Section
- FAQs
- Links for Better Understandings of NEP
- Doubts and Solutions
- Acknowledgement

Introduction

- The aim is holistic development of students.
- Quality Education.
- Skill Development.
- Value Based and Employment oriented Education System.
- For nurturing the students to be future ready

Key Features of NEP 2020...

- 3 or 4 Year (6 or 8 Semester) Program
- Multiple Entry & Multiple Exit System
- Multidisciplinary Course Curriculum
- Credit Based Course Curriculum
- Choice Based Credit System
- Learning Outcome based Curriculum Framework
- Continuous Internal Assessment System

Difference Between Earlier EP & NEP 2020

Education Policy of 1986	NEP 2020
3 Year UG Program	3 or 4 Year UG Program
Annual Exam Sysem	Semester Exam System
Curriculum WITHOUT Credits	Credit Based Curriculum
Single Discipline System	Multidisciplinary System
No Weightage on Internal Assesments	Continuous Internal Assesment system with Credits
No Provision of Internship & Entrepreneurship	Internship & Entrepreneurship has been included in curriculum
No Honours Curriculum	Honors & Honors with Research option is Available
No benefit on leaving studies before completing the graduation	Certificate/Diploma is provided in Exiting after completion of 1 or 2 year study.

TERMINOLOGIES RELATED TO NEP 2020

- **FYUP:** Four Year Integrated Program
- **SEMESTER**: Duration 6 Months/ 90 Days/ 15 Weeks Learning Period
- **CCFUP**: Course Curriculum Framework of UG Program
- **PROGRAM**: The award for which student is enrolled
- **COURSE**: The Papers required for the Award of Program
- **COURSE CURRICULUM**: Details of the Courses-Provided to learners-Comprises Learning Outcome/Contents/Resource/Assessment.
- **CIA**: Continuous Internal Assesment

TERMINOLOGIES RELATED TO NEP 2020

- **CREDIT:** Measurement of Learning Duration
  - 1Credit = 15 Periods of 1Hour
- **ESE**: End Semester Exam
- **LETTER GRADE**: Letter denoting range of obtained marks
- **GRADE POINT**: Letter denoting the Grade
- **CREDIT POINT**: Grade Point X Credit Earned
- **SGPA**: Semester Grade Point Average
- **CGPA**: Cumulative Grade Point Average

CCFUP : Multi disciplinary

COURSE OF STUDY

Year	Semester	Credits	Total Credits	Award on Leaving
1st Year	Semester-I	20 Credits	40 Credits	Certificate (44 Credits)
	Semester-II	20 Credits		
2nd Year	Semester-III	20 Credits	40 Credits	Diploma (84 Credits)
	Semester-IV	20 Credits		
3rd Year	Semester-V	20 Credits	40 Credits	Degree (120 Credits)
	Semester-VI	20 Credits		
4th Year	Semester-VII	20 Credits	40 Credits	Honors (160 Credits) Or Honors with Research (164 Credits)
	Semester-VIII	20 Credits		

CCFUP : Multi disciplinary

Course of Study

Course Name (As Per UGC)	Course Code
1. Disciplin Specific Course	DSC
2. Discipline Specific Elective	DSE
3. Generic Elective	GE
4. Ability Enhancement Course	AEC
5. Skill Enhancement Course	SEC
6. Value Added Course	VAC
7. Internship/ Apprenticeship	-
8. Research Methodology /Project & Dissertation	-

CCFUP : MULTI DISCIPLINARY STUDY

A. Introduction

Course Type, Code, Credits, LOs

B. Course Contents

Unitwise Credit Distribution

COURSE CURRICULUM FRAMEWORK

C. Learning Resourses

Textbooks, Refernce books, e-Resourses

D. Course Assesment

CIA & ESE Marks Distribution

Credit Based Course

CREDITS	**For Classroom Teaching-Learning** 1 Credit= 15 Periods of 1 Hour Each
	For Laboratory Work/ Field Work Learning 1 Credit= 30 Periods of 1 Hour Each
Course Nature & Course Credit	**DSC, DSE & GE : 4 Credits for Each Course** i.e. 4 Periods per week, Total 60 Hours
	Courses with Lab Work: Theory: 3 Credits - 3Periods per week (Total 45 Hours) Practicals: 1 Credit - 1 Credit per week (Total 30 Hours)
	AEC, SEC and VAC : 2 Credits for Each Courses i.e. 2 Periods per week, Total 30 Hours AEC & VAC – 2 Periods per week, Total 30 Period SEC- 1C Theory(15 Hours)+ 1C Lab./Field (30 h)

1ST YEAR CCFUP FOR B.SC. & B.A.

SEM	DSC A/B/C (4C)	DSE	GE (4C)	AEC (2C)	VAC/SEC (2C)	CREDITS
I	DSC A1	--	GE-01 From the Pool	AEC-01 Eng/ Hindi / EVS	VAC-01 From the Pool	20
	DSC B1					
	DSC C1					
II	DSC A2	--	GE-02 From the Pool	AEC-02 Eng/ Hindi / EVS	SEC-01 From the Pool	20
	DSC B2					
	DSC C2					
On exiting after 1 year a student may be awarded an undergraduate certificate after securing requisite 44 certificates						40
Extra 4 Credits of VOC/Skill Courses have to be earned from any recognised online platform such as SWAYAM/ NPTEL etc.						

2ND YEAR CCFUP FOR B.SC. & B.A.

SEM	DSC A/B/C (4C)	DSE/GE (4C)	AEC (2C)	VAC/SEC (2C)	CREDITS
III	DSC A3	DSE-01 A/B/C OR GE-03 From the Pool	AEC-03 Eng/ Hindi / EVS	VAC-02 From the Pool	20
	DSC B3				
	DSC C3				
IV	DSC A4	DSE-02 A/B/C OR GE-04 From the Pool	AEC-04 Communicative Language (English)	SEC-02 From the Pool	20
	DSC B4				
	DSC C4				
On exiting after 2 years a student may be awarded an undergraduate Diploma after securing requisite 84 certificates					
Extra 4 Credits of VOC/Skill Courses have to be earned from any recognised online platform such as SWAYAM/ NPTEL etc.					

3RD YEAR CCFUP FOR B.SC. & B.A.

SEM	DSC A/B/C (4C)	DSE/GE (4C)	AEC (2C)	VAC/SEC (2C)	CREDITS
III	DSC A5	DSE-03 A/B/C OR GE-05 From the Pool	SEC-03 From the Pool	VAC-03 From the Pool	20
	DSC B5				
	DSC C5				
IV	DSC A6	DSE-04 A/B/C OR GE-06 From the Pool	SEC-04 From the Pool	Internship	20
	DSC B6				
	DSC C6				
On exiting after 3 years a student may be awarded an undergraduate Degree after securing requisite 120 certificates					120

4TH YEAR FOR AWARD OF BACHELOR DEGREE WITH HONORS

(STUDENT SECURING LESS THAN 7.5 CGPA)

SEM VII	**DSC 7 A/B/C (4C)**	**Four DSE 05 to 08 (4x4C=16C)**	**20**
SEM VIII	**DSC 8 A/B/C (4C)**	**Four DSE 09 to 12 (4x4C=16C)**	**20**

4TH YEAR FOR AWARD OF BACHELOR DEGREE WITH HONORS & RESEARCH (STUDENT SECURING 7.5 CGPA & ABOVE)

SEM VII	**DSC 7 A/B/C (4C)**	**Three DSE 05 to 07 (3x4C=12C)**	**DS Research Methodology (4C)**	**20**
SEM VIII	**DSC 8 A/B/C (4C)**	**Three DSE 09 to 11 (3x4C=12C)**	**Research Work Dissertation (4+4C=8C)**	**24**

On exiting after 4 year a student may be awarded an Undergraduate Degree with Honors (160C) or Undergraduate Degree with Honors & Academic Research (164C) .

CCFUP FOR B.COM., B.H.SC., B.B.A. & B.C.A.

SEM	DSC A/B/C (4C)	DSE	GE (4C)	AEC (2C)	VAC/SEC (2C)	CREDITS
I	DSC A1 DSC A2 DSC A3	--	GE-01 From the Pool	AEC-01 Eng/ Hindi / EVS	VAC-01 From the Pool	20
II	DSC A4 DSC A4 DSC A6	--	GE-02 From the Pool	AEC-02 Eng/ Hindi / EVS	SEC-01 From the Pool	20
On exiting after 1 year a student may be awarded an undergraduate certificate after securing requisite 44 certificates. Extra 4 Credits of VOC/Skill Courses have to be earned from any recognised online platform such as SWAYAM/ NPTEL etc.						40

SEM	DSC A/B/C (4C)	DSE/GE (4C)	AEC (2C)	VAC/SEC (2C)	CREDITS
III	DSC A7 DSC A8 DSC A9	DSE-01 OR GE-03 From the Pool	AEC-03 Eng/ Hindi / EVS	VAC-02 From the Pool	20
IV	DSC A10 DSC A11 DSC A12	DSE-02 OR GE-04 From the Pool	Communicative Language/ English	SEC-02 From the Pool	20
On exiting after 2 years a student may be awarded an undergraduate Diploma after securing requisite 84 certificates. Extra 4 Credits of VOC/Skill Courses have to be earned from any recognised online platform such as SWAYAM/ NPTEL etc.					80

CCFUP FOR B.COM., B.H.SC., B.B.A. & B.C.A.

SEM	DSC A/B/C (4C)	DSE/GE (4C)	AEC (2C)	VAC/SEC (2C)	CREDITS
V	DSC A13 DSC A14 DSC A15	DSE-03 OR GE-05 From the Pool	SEC-03 From the Pool	VAC-03 From the Pool	20
VI	DSC A16 DSC A17 DSC A18	DSE-04 OR GE-06 From the Pool	SEC-04 From the Pool	Internship	20
On exiting after 3 years a student may be awarded an Undergraduate Degree after securing requisite 120 certificates.					120

For Award of Bachelor Degree With Honors. (Student Securing Less than 7.5 CGPA)			
SEM VII	DSC A 19 (4C)	Four DSE 05 to 08 (4x4C=16C)	20
SEM VIII	DSC A 20 (4C)	Four DSE 09 to 12 (4x4C=16C)	20

For Award of Bachelor Degree With Honors & Research . (Student Securing 7.5 CGPA or more)			
SEM VII	DSC 7 A/B/C (4C)	Four DSE 05 to 08 (4x4C=16C)	20
SEM VIII	DSC 8 A/B/C (4C)	Four DSE 09 to 12 (4x4C=16C)	20
On exiting after 4 year a student may be awarded an Undergraduate Degree with Honors (160C) or Undergraduate Degree with Honors & Academic Research (164C)			

Course Assessment

Maximum Marks	100	For 4/3 Credits	Passing Marks- 40
	50	For2/1 Credits	Passing Marks- 20
CIA: Continuous Internal Assessment	30%	TWO Tests or TWO Quizzes	Each 20 or 10 Marks
		ONE Assignment	10 or 05 Marks
	Marks Obtained	Best of Two Tests or Quizzes + Marks of Assignment	
ESE: End Semester Examination	70%	Well Defined Question Paper Pattern Objective Type, Short Answer Type & Descriptive Answer type Questions	
Passing Marks (40%) Consideration	40 out of 100 & 20 out of 50 Cumulative Marks Obtained in CIA + ESE Considered against the Max. Marks		

Semester wise Promotion

Odd Semester I/III/V [After Completion of CIA]	• Direct Promotion	Even Semester II/IV/VI
Semester II	• Should Earn minimum 50% Credits (20 credits) in Sem. I+ Sem. II	Semester III
Semester IV	• Should Earn minimum 50% Credits (20 credits) in Sem. I+ Sem. II • Must Cleared Sem I & Sem. II	Semester V

Anyone can repeat the ESE to clear their backlog courses in respective ESE (Odd in Odd & Even in Even)

No Provision of Supplementary Examination/ Revaluation.

Provision of Special Examination after declaration of the result of VI semester to clear any backlog course of V & VI Semester.

The Semester Grade Point Average (SGPA) is computed from the grades as ameasure of the performance in a given semester.

Letter Grade	Grade Point	% of Marks Obtained
O (Outstanding)	10	Above 90%
A+ (Excellent)	9	Above 80% to 90%
A (Very Good)	8	Above 70% to 80%
B+ (Good)	7	Above 60% to 70%
B (Above Average)	6	Above 50% to 60%
C (Average)	5	Above 40% to 50%
P (Pass)	4	40%
F (Fail)	0	Below 40%
Ab (Absent)	0	Absent

Computation of SGPA & CGPA

Semester	Course	Credit	Letter Grade	Grade Point	Credit Point (CreditxGrade)
1st Semester	Course 1	4	A	8	4x8=32
1st Semester	Course 2	4	B+	7	4x7=28
1st Semester	Course 3	4	B+	6	4x6=24
1st Semester	Course 4	4	O	10	4x10=40
1st Semester	Course 5	2	C	5	2x5=10
1st Semester	Course 6	2	B	6	2x6=12
		20			146
SGPA				146/20 = 7.3	

Semester 1	Semester 2	Semester 3	Semester 4	Semester 5	Semester 6
Credit 20	Credit 20	Credit 20	Credit 20	Credit 20	Credit 20
SGPA: 7.3	SGPA: 7.8	SGPA: 6.8	SGPA: 7.4	SGPA: 7.6	SGPA: 8.0

CGPA={(20x7.3 + 20x7.8 + 20x6.8 + 20x 7.4 + 20x7.6 + 20x8.0)/120] = 7.48

OR (7.3+7.8+6.8+7.4+7.6+8.0)/6 = 7.48

DSC, DSE & DGE LIST OF CHEMISTRY

FOUR YEAR UNDERGRADUATE PROGRAM (NEP–2020)

Program: Bachelor in Science

DISCIPLINE–CHEMISTRY

Session–2024-28

DSC- 01 to 08		DSE-01 to 12		DGE-01 to 06	
Code	Title	Code	Title	Code	Title
CHSC-01T	Fundamental Chemistry-I	CHSE-01T	Basic Analytical Chemistry	CHGE-01T	Fundamental Chemistry-I
CHSC-01P	Chemistry Lab. Course-I	CHSE-01P	Basic Analytical Chemistry Lab. Course	CHGE-01P	Chemistry Lab. Course-I
CHSC-02T	Fundamental Chemistry-II	CHSE-02T	Environmental Chemistry	CHGE-02T	Fundamental Chemistry-II
CHSC-02P	Chemistry Lab. Course-II	CHSE-02P	Environmental Chemistry Lab. Course	CHGE-02P	Chemistry Lab. Course-II
CHSC-03T	Inorganic and Physical Chemistry-I	CHSE-03T	Dyes & Polymer Chemistry		
CHSC-03P	Chemistry Lab. Course-III	CHSE-03P	Dyes & Polymer Chemistry Lab. Course		
CHSC-04T	Organic and Physical Chemistry-I	CHSE-04T	Heterocyclic Chemistry		
CHSC-04P	Chemistry Lab. Course-IV	CHSE-04P	Heterocyclic Chemistry Lab. Course		
CHSC-05T	Organic & Inorganic-I	CHSE-05T	Photochemistry & Pericyclic Reactions		
CHSC-05P	Chemistry Lab. Course-V	CHSE-05P	Photochemistry & Pericyclic Reactions Lab. Course		
CHSC-06T	Organic and Physical Chemistry-II	CHSE-06T	Spectroscopy-I		
CHSC-06P	Chemistry Lab. Course-VI	CHSE-06P	Spectroscopy-I Lab. Course		
CHSC-07T	Inorganic & Physical Chemistry-II	CHSE-07T	Chemical Kinetics & Nuclear Chemistry		
CHSC-07P	Chemistry Lab. Course-VII	CHSE-07P	Chemical Kinetics & Nuclear Chemistry Lab. Course		
CHSC-08T	Organic & Inorganic-II	CHSE-08T	Electrochemistry & Surface Chemistry		
CHSC-08P	Chemistry Lab. Course-VIII	CHSE-08P	Electrochemistry & Surface Chemistry Lab. Course		