

Chaudhary Bansi Lal University, Bhiwani

PROPOSED

Structure of

B.Sc. Undergraduate Programme

Based on:

**U.G.C. Choice Based Credit System (CBCS)**

(Effective from academic session July, 2021)

  
  
  


## SCHEME UNDER CHOICE BASED CREDIT SYSTEM for B. Sc. Medical (ZOOLOGY, BOTANY, CHEMISTRY) Total Credits- 130

SEMESTER	CORE COURSE (CC) (Credits- 72)	Credit	Ability Enhancement Compulsory Course (AECC) (Credits-6)	Credit	Skill Enhancement Course (SEC) (Credits-12)	Credit	Discipline Specific Elective (DSE) (Credits-36)	Credit	Generic Elective Courses (Credits 4)	Credit
I	CC- Botany I CC- Zoology I CC- Chemistry I	6 6 6	English /Environmental Science	2	SEC-I (Compulsory Course) Basics of Computer	3			Hobby Courses (NCC/CESE)	1
II	CC- Botany II CC- Zoology II CC- Chemistry II	6 6 6	Environmental Science/English	2					Hobby Courses (NCC/CESE)	1
III	CC- Botany III CC- Zoology III CC- Chemistry III	6 6 6	Hindi/Sanskrit	2						
IV	CC- Botany IV CC- Zoology IV CC- Chemistry IV	6 6 6			SEC-II * /MOOCs** /OEC@	3			Personality Development (NCC/CESE)	2
V					SEC-III*	3	DSE- Botany I DSE - Zoology I DSE - Chemistry I	6 6 6		
VI					SEC-IV*	3	DSE- Botany II DSE - Zoology II DSE - Chemistry II	6 6 6		

\* In SEC, One to be chosen from Zoology/Botany/ Chemistry @ OEC: Open Elective Course to be chosen from the pool of courses offered by University (excluding the courses offered by the departments of their own subjects, if not stated otherwise.)

\*\* Students may choose MOOC course with same number of credits (or more) subject to the approval of the Principal of the concerned college on the recommendation of the Committee in the beginning of the Semester as per UGC (Credit Framework for online learning courses through SWAYAM) Regulation 2016.

## AECC-I, AECC-II

Note: In the First Semester, in case of AECC-I, the students will opt either English or EVS and vice-versa in the Second Semester in case of AECC-II.

   

General instructions:

1. One credit is equivalent to 1 hour of Theory teaching/2 hours of Practical work/ 2 hour of field work per week
2. The duration of classes may be decided according by respective Principal of college.
3. The DSE courses will be taught by faculty member of the same department.
4. The Principal of college may take decision for offering more than one DSE paper to be opted by the students in each semester and may plan the number of seats (minimum 20) for DSE/Skill enhancement paper as per the facilities.
5. Colleges/University may follow the policy about Hobby Courses and Personality Development provided by university. It may be displayed on DMC as letter grade (A/B/C).
6. NCC/ECSE- NON CGPA Credit Courses Compulsory Specified course
7. NCC/ECSE- NON CGPA Credit Courses Compulsory Elective course/ Activity

**Credit Distribution Course Wise**

<u>Sr.No</u>	<u>Course</u>	<u>Credits</u>
I.	Core Course	Paper+ Practical
	4 paper CC I	12x4=48
	4 paper CC II	
	4 paper CC III	
	Core course Practical/ Tutorial	12x2=24
		..... 72
II	Elective Course	
	2 paper DSEC I	6x4=24
	2 paper DSEC II	
	Elective course Practical / Tutorial	6x2=12
		..... 36
III	Ability Enhancement Course	
	Ability Enhancement Compulsory AECC I,II,III=	06
	Skill Enhancement Compulsory	
	SEC Choice Based	
	SEC I, II,III & IV	3X4= 12
		..... 18
IV	Non CGPA (NCCC)	

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2 paper NCCCE  
 2 paper NCCSE  
 1+1=2  
 2  
 4

Grand Total= 130

### Distribution of Papers Subject Wise & Credit Wise per Week

Semester	Paper	Credit		Hours per Week
		Total Credit	Th. Paper+ Practical	
Semester- 1 <sup>st</sup>	CC I A Botany	6	4(2+2)+2	4+4
	CC II A Zoology	6	4(2+2)+2	4+4
	CC III A Chemistry	6	4(2+2)+2	4+4
	AECC I English/EVS	2	2	2
	SEC I	3	3(2+1)	2+2
	NCCCE	1	1	1
	<b>Total</b>	<b>24</b>	<b>24</b>	<b>31</b>
Semester-2 <sup>nd</sup>	CC I B Botany	6	4(2+2)+2	4+4
	CC II B Zoology	6	4(2+2)+2	4+4
	CC III B Chemistry	6	4(2+2)+2	4+4
	AECC II EVS/English	2	2	2
	NCCCE	1	1	1
		<b>Total</b>	<b>21</b>	<b>21</b>
Semester- 3 <sup>rd</sup>	CC I C Botany	6	4(2+2)+2	4+4
	CC II C Zoology	6	4(2+2)+2	4+4
	CC III Chemistry	6	4(2+2)+2	4+4
	AECC III Hindi/Sanskrit	2	2	2

	<b>Total</b>	<b>20</b>	<b>20</b>	<b>20</b>	<b>26</b>		
Semester- 4 <sup>th</sup>	CC I D Botany	6	4(2+2)+2		4+4		
	CC II D Zoology	6	4(2+2)+2		4+4		
	CC III D Chemistry	6	4(2+2)+2		4+4		
	SEC II	3	3		3		
	NCCSE	2	2		2		
	<b>Total</b>	<b>23</b>	<b>23</b>	<b>29</b>	<b>29</b>		
Semester- 5 <sup>th</sup>	DSE I Botany	6	4(2+2)+2		4+4		
	DSC I Zoology	6	4(2+2)+2		4+4		
	DSC I Chemistry	6	4(2+2)+2		4+4		
	SEC III	3	3		3		
	<b>Total</b>	<b>21</b>	<b>21</b>	<b>27</b>	<b>27</b>		
Semester- 6 <sup>th</sup>	DSE II Botany	6	4(2+2)+2		4+4		
	DSC II Zoology	6	4(2+2)+2		4+4		
	DSC II Chemistry	6	4(2+2)+2		4+4		
	SEC IV	3	3		3		
	<b>Total</b>	<b>21</b>	<b>21</b>	<b>27</b>	<b>27</b>		
<b>Grand Total</b>		<b>130</b>	<b>130</b>	<b>167</b>	<b>167</b>		

  
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## SCHEME UNDER CHOICE BASED CREDIT SYSTEM for B. Sc. (Non-Medical)(PHYSICS, MATHS, CHEMISTRY/COMPUTER SCIENCE)/Total Credits- 130

SEMESTER	CORE COURSE (CC) (Credits-72)	Credit	Ability Enhancement Compulsory Course (A.E.C.C) (Credits-6)	Credit	Skill Enhancement Course (SEC) (Credits-10)	Credit	Discipline Specific Elective (DSE) (Credits-36)	Credit	Generic Elective Courses (Credits 4)	Credit
I	CC- Maths I	6	English/Env.Sc	2	SEC-I Basics of Computer for students of Chemistry SEC-II(For computer Sc.Students only)	3			Hobby Courses (NCCCESE)	1
	CC- Physics I	6								
	CC- Chemistry I/ Computer Science-I	6								
II	CC- Maths II	6	Environmental Science /English	2					Hobby Courses (NCCCESE)	1
	CC- Physics II	6								
	CC- Chemistry II/ Computer Science-II	6								
III	CC- Maths III	6	Hindi/Sanskrit	2						
	CC- Physics III	6								
	CC- Chemistry III/ Comp.Sc-III	6								
IV	CC- Maths IV	6			SEC-II */MOOCs**/OEC@	3			Personality Development (NCCSE)	2
	CC- Physics IV	6								
	CC- Chemistry IV/ Comp.Sc-IV	6								
V				SEC-III*		3	DSE- Maths I DSE - Physics I DSE - Chemistry I /Computer Sc. I	6 6 6		
VI				SEC-IV*		3	DSE- Maths II DSE - Physics II DSE - Chemistry II/ Comp.Sc.-II	6 6 6		

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\*In SEC, One to be chosen from Physics/Maths/ Chemistry or Computer Sc. @ OEC: Open Elective Course to be chosen from the pool of courses offered by University (excluding the courses offered by the departments of their own subjects, if not stated otherwise.)

\*\*Students may choose MOOC course with same number of credits(or more)subject to the approval of the Principal of the concerned college on the recommendation of the committee in the beginning of the Semester as per UGC (Credit Framework for online learning courses through SWAYAM) Regulation 2016.

**AECC-I, AECC-II**

Note: In the First Semester, in case of AECC-I, the students will opt either English or EVS and vice-versa in the Second Semester in case of AECC-II.

**General instructions:**

1. One credit equivalent to 1 hour of teaching/2 hours of Practical work/ 2 hour of field work per week
2. The duration of classes may be decided accordingly by respective Principal of college.
3. The DSE courses will be taught by faculties of the same department.
4. The Principal of college may take decision for offering more than one DSE paper to be opted by the students in each semester and may plan the number of seats (minimum 20) for DSE/Skill enhancement paper as per the facilities and requisite resources available.
5. Colleges/University should may follow the policy about Hobby Courses and Personality Development provided by University. It may be displayed on DMC as letter grade (A/B/C).

6. NCC/CESE- NON CGPA Credit Courses Compulsory Specified course      7. NCC/CESE- NON CGPA Credit Courses Compulsory Elective course/ Activity

**Credit Distribution Course Wise**

Sr.No	Course	Paper+ Practical	Credits
I	Core Course		
	4 paper CC I	6x4=24	
	4 paper CC II	4x4=16	
	4 paper CC III	4x4=16	
	Core course Practical/ Tutorial	5.5(1.5+2+2)x4=22	
		-----	78
II	Elective Course		
	2 paper DSEC I	14x2=28	
	2 paper DSEC II		
		-----	36
III	Elective course Practical / Tutorial	4x2=08	
	Ability Enhancement Course		
	Ability Enhancement Compulsory AECC I,II,III= 6		
	Skill Enhancement Compulsory		

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SEC		
SEC I, II, III & IV	3X4=12	18
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IV	Non CGPA (NCCC)	
	2 paper NCCSE	1+1=2
	2 paper NCCSE	2
	-----	-----
		4
	Grand Total=	-----
		130

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**Distribution of Papers Subject Wise & Credit Wise per Week**

Semester	Paper	Total Credit	Credits		Hours per Week
			Th. Paper+ Practical		
Semester- 1 <sup>st</sup>	CC I A Maths	6	4(2+2)+2		4+4
	CC II A Physics	6	4(2+2)+2		4+4
	CC III A Chemistry/Comp.Sc	6	4(2+2)+2		4+4
	AECC I English/EVS	2	2		2
	SEC I	3	2+1		4
	NCCCESE	1	1		1
	<b>Total</b>	<b>24</b>	<b>24</b>		<b>31</b>
Semester-2 <sup>nd</sup>	CC I B Maths	6	4(2+2)+2		4+4
	CC II B Physics	6	4(2+2)+2		4+4
	CC III B Chemistry/Comp.Sc	6	4(2+2)+2		4+4
	AECC II EVS/English	2	2		2
	NCCCESE	1	1		1
	<b>Total</b>	<b>21</b>	<b>21</b>		<b>27</b>
Semester- 3 <sup>rd</sup>	CC I C Maths	6	4(2+2)+2		4+4
	CC II C Physics	6	4+2		4+4
	CC III Chemistry/Comp.Sc	6	4+2		4+4
	AECC III Hindi/Sanskrit	2	2		2
	<b>Total</b>	<b>20</b>	<b>20</b>		<b>26</b>
	CC I D Maths	6	4(2+2)+2		4+4

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Semester-4 <sup>th</sup>	CC II D Physics	6	4(2+2)+2	4+4
	CC III D Chemistry/Comp.Sc	6	4(2+2)+2	4+4
	SEC II	3	3	3
	NCCSE	2	2	2
	<b>Total</b>	<b>23</b>	<b>23</b>	<b>29</b>
Semester-5 <sup>th</sup>	DSE I Maths	6	4+2	4+4
	DSC I Physics	6	4(2+2)+2	4+4
	DSC I Chemistry/Comp.SC	6	4(2+2)+2	4+4
	SEC III	3	3	3
	<b>Total</b>	<b>21</b>	<b>21</b>	<b>27</b>
Semester-6 <sup>th</sup>	DSE II Maths	6	4+2	4+4
	DSC II Physics	6	4(2+2)+2	4+4
	DSC II Chemistry/Comp.SC	6	4(2+2)+2	4+4
	SEC IV	3	3	3
	<b>Total</b>	<b>21</b>	<b>21</b>	<b>27</b>
	<b>Grand Total</b>	<b>130</b>	<b>130</b>	<b>167</b>

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