

# **HOLY CROSS WOMEN'S COLLEGE**



**(Affiliated to Sant Gahira Guru Vishwavidyalaya)**

**AMBIKAPUR, DIST. - SURGUJA (C.G.)**

**Tel. : (07774) 230690, +91 9406037307**

**Website : [www.holycrosswcamb.com](http://www.holycrosswcamb.com)**

## **2022-2023**

**PROSPECTUS FOR UNDER GRADUATE**

**AND**

**POST GRADUATE COURSES**

### *Vision*

**Rooted in the life and teachings of Jesus Christ and inspired by the founders Fr. Theodosius and Mother Maria Theresa, the vision of the College is to empower women in a culture of excellence for personal transformation and responsible citizenship.**

### *Mission*

**Our Mission as Compassionate and enlightened leaders is to form women through its value based and Holistic approach to Education, toward which we strive with the following objectives.**

### *Objectives*

- **To build up a Community of Crossian Staff and Student who strive after excellence in every field.**
- **To promote all-round development of Students inculcating in them the Spiritual, Social and Ethical Values.**
- **To promote quality and innovation in all spheres of life.**
- **To train Students in Creative thinking.**
- **To promote skill development and Employment based learning.**
- **To enable the Faculty and Students to use the blessings of her education in building a loving united family, a more caring society, an integrated progressive nation and a better world.**
- **To form women with dignity, self respect and courage to face the challenges of life.**
- **To instill in the Students love, care, respect and appreciation for mother earth and our mother land.**
- **To create enlightened women leaders and to make them agents of social change.**
- **To promote patriotism, communal harmony and cultural integration.**

**Through these efforts we aim at making our own contributions to a radical transformation of present day social condition so that equality of opportunity, genuine freedom, respect for religions and moral values which are enshrined in the constitution of India may be realized.**

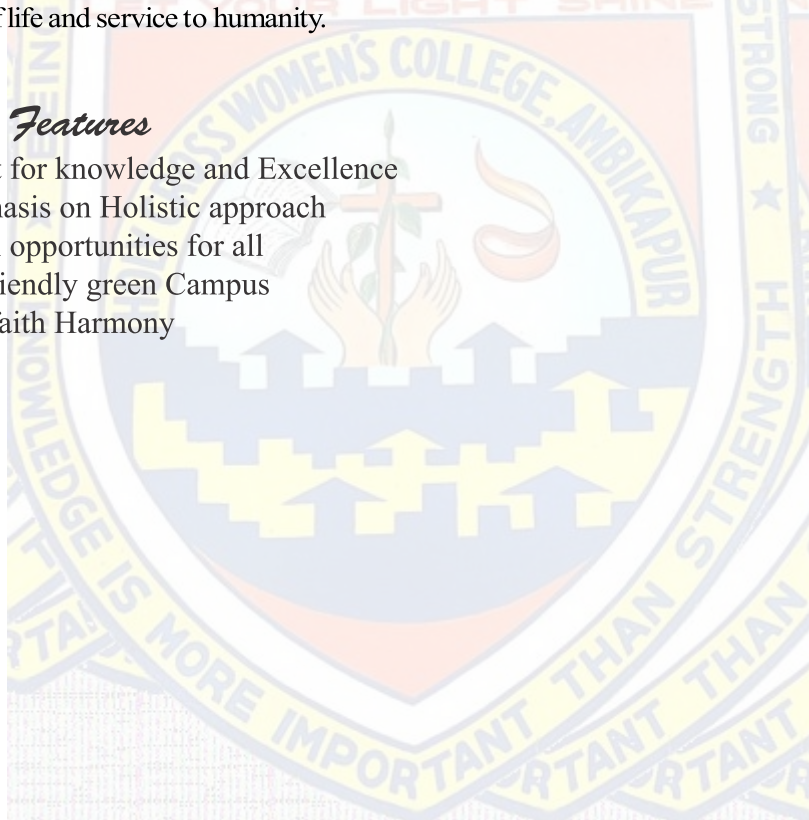
## **PROSPECTUS**

Holy Cross Women's College in Ambikapur is managed by Pavitra Cruz Sisters' Association of Holy Cross Sisters, in Raipur Chhattisgarh. This is a minority institution. Since its origin, it has been active in the field of education. This is a part of its effort to share in the country's educational undertaking. This effort while recognising a special responsibility towards the Christian Community, has always been at the service of the whole nation.

Education in this Institution is inspired by a vision drawn from the life and teachings of Jesus Christ. This vision gives it a specific character and sets before its management, staff and students high ideals of life and service to humanity.

### *Campus Features*

1. Quest for knowledge and Excellence
2. Emphasis on Holistic approach
3. Equal opportunities for all
4. Ecofriendly green Campus
5. Interfaith Harmony



## **ADMISSION PROCEDURE FOR UNDER GRADUATE COURSES**

### **ELIGIBILITY FOR ADMISSION**

A candidate of good reputation with good academic record in the Higher Secondary Examination of C.G. Board or an equivalent certificate from any other Board or University recognised by **SARGUJA UNIVERSITY** Ambikapur, C.G. is eligible for admission.

### **A STUDENT SEEKING ADMISSION TO -**

- (a) B.Sc. Preliminary class should be a student of Science with Physics, Chemistry, Biology/ Maths Subjects.
- (b) B.Sc.(H.Sc.) preliminary class can be a student of any faculty with good academic record.
- (c) B.A. Preliminary with at least a good second class marks in the previous qualifying examination.
- (d) B.Com. Preliminary can be a student of Commerce or Mathematics.

The student who is seeking admission from any other University or Board will have to obtain "No objection Certificate" (Eligibility Certificate) **prior to the admission in the College**. For **Renowned players**, relaxation in the percentage of the marks will be given, provided that they continue to be players in the College.

- (e) Courses of Study Prescribed in the Ordinance of **SURGUJA UNIVERSITY**, Ambikapur at Degree Level.

### **B.Sc. Preliminary/Previous/Final**

- 1. **Foundation Course** : English Language & Hindi Language, Environmental Studies (B.Sc.I)
- 2. Each student may opt for one of the groups below :-
  - Group A** : Mathematics/Chemistry/Physics
  - Group B** : Chemistry/Zoology/Botany
  - Group C** : Chemistry/Zoology/Industrial Microbiology
  - Group D** : Mathematics/Physics/Computer Science

**Note :-** The Candidate who seeks to study in this College either Industrial Microbiology or Computer Science may indicate the subject of their second choice in the application form.

### **B.A. Preliminary/Previous/Final**

- A. **Foundation course** - English Language & Hindi Language
- B. Environmental Studies (B.A. I)
- C. Candidate can take any three optional subjects from the following groups. Only one from each group.
  - 01. Sociology
  - 02. Political Science
  - 03. Psychology -(Practical) / Geography -(Practical)
  - 04. English Literature / History
  - 05. Hindi Literature
  - 06. Economics
  - 07. Home Science



## **B.Sc.(H.Sc.)**

### **PRELIMINARY**

#### **Foundation Course**

- A.           1. Hindi Language  
              2. English Language

- B.           Environmental Studies

- Group -I**       1-   Fundamentals of Food & Nutrition  
                  2-   Introduction to Resource Management, Ecology & Environment

- Group -II**     1-   Introduction to Human development & Family Dynamics  
                  2-   Introduction to Textile & Clothing

- Group-III**    1-   Community Development Perspectives & Approaches  
                  2-   Personal Empowerment & Computer Basic

### **PREVIOUS**

#### **Foundation Course**

1. Hindi Language  
2. English Language

- Group-I**       1-   Nutritional Management in Health and Diseases  
                  2-   Textile and Laundry Science

- Group-II**     1-   Community Nutrition and Applied Life Science  
                  2-   Communication Process

- Group-III**    1-   Life Span Development  
                  2-   Consumer Economics

### **FINAL**

#### **Foundation Course**

1. Hindi Language  
2. English Language

- Group-I**       1-   Nutritional Biochemistry  
                  2-   Food Preservation

- Group-II**     1-   Principles of Early Childhood Education & Curriculum  
                  2-   Extension Education

- Group-III**    1-   Foundation of Art & Design  
                  2-   Apparel Making & Fashion Designing

**B.Com.**

**PRELIMINARY**

<b>Foundation Course -</b>	1. Hindi Language 2. English Language
<b>Compulsory Paper -</b>	Environmental Studies
<b>Group I -</b>	1. Financial Accounting 2. Business Communication
<b>Group II -</b>	1. Business Mathematics 2. Business Regulatory Frame work
<b>(Optional Paper - Any One)</b>	
<b>Group III-</b>	1. Business Environment 2. Business Economics
<b>OR</b>	
<b>Computer Application</b>	1. Computer Fundamental 2. PC Software and multimedia

**PREVIOUS**

<b>Foundation Course -</b>	1. Hindi Language 2. English Language
<b>Group I -</b>	1. Corporate Accounting 2. Company Law
<b>Group II -</b>	1. Cost Accounting 2. Principles of Business Management
<b>(Optional Paper - Any One Group)</b>	
<b>Group III-</b>	1. Business Statistics 2. Fundamentals of Entrepreneurship
<b>OR</b>	
<b>Computer Application</b>	1. Internet Application & E-Commerce 2. Relational Database Management System

**FINAL**

**Foundation Course -** 1. Hindi Language  
2. English Language

**Compulsory Course**

**Group I-** 1. Income Tax  
2. Indirect Tax

**Group II-** 1. Management Accounting  
2. Auditing

**(Optional Paper)**

**Group III-** 1. Principles of Marketing  
2. International Marketing

**OR**

**Computer Application** 1. Programming in Visual Basic  
2. System Analysis Design and MIS

**A. Course Partially Financed by the State Government at degree level.**

Sociology/Economics/Psychology.

Home Science, Botany, Zoology, Chemistry and English Language

**B. Self financed courses**

B.Com., Hindi Literature, Geography, English literature, History, Political Science, Computer Science, Physics, Mathematics, Industrial Microbiology and all the P.G. Courses

**प्रवेश प्रक्रिया – वर्ष 2022-2023**

**Admission Procedure – Year 2022-2023**

01. महाविद्यालय में प्रवेश के लिए इच्छुक छात्राओं को पहले विश्वविद्यालय के रजिस्ट्रेशन पोर्टल [www.sggcg.in](http://www.sggcg.in) पर अपना पंजीकरण कराना है और विश्वविद्यालय द्वारा जारी किये गये मेरिट सूची में नाम आने के पश्चात् महाविद्यालय के वेबसाइट [www.holycrosswcamb.com](http://www.holycrosswcamb.com) में महाविद्यालय का प्रवेश फार्म भरना है।

**The students who want to get admission in the college, have to first register themselves on University registration portal [www.sggcg.in](http://www.sggcg.in) and after the name appears in the merit list issued by the University, the College admission form has to be filled in the website of the college [www.holycrosswcamb.com](http://www.holycrosswcamb.com)**

02. महाविद्यालय में प्रवेश की प्रक्रिया Online होगी। यदि Online फार्म भरने में किसी प्रकार की कठिनाई होने पर ही महाविद्यालय में आकर Offline प्रवेश कोविड-19 की परिस्थिति के अनुरूप ले सकते हैं।

The process of admission in the college will be online. Students can take offline admission abiding the rules of social distancing, according to the situation of Covid-19, if there is any difficulty in filling the online form.

03. महाविद्यालय कार्यालय में आकर प्रवेश लेने वाले विद्यार्थी सभी आवश्यक दस्तावेज साथ लायें अन्यथा अस्थायी (Provisional) प्रवेश दिया जायेगा और सभी आवश्यक दस्तावेज जमा करने पर ही प्रवेश की पुष्टि की जायेगी एवं निर्धारित तिथि तक दस्तावेज जमा न किये जाने पर प्रवेश रद्द किया जायेगा।

Students who come for admission in the college office should bring all the necessary documents with them, otherwise provisional admission will be given and admission will be confirmed only after submission of all necessary documents and admission will be cancelled if documents are not submitted by the stipulated date.



04. ऑनलाईन माध्यम से प्रवेश लेने वाले विद्यार्थी महाविद्यालय द्वारा निर्धारित तिथियों पर महाविद्यालय कार्यालय में उपस्थित होकर दस्तावेजों का सत्यापन करवाकर सभी आवश्यक दस्तावेजों को जमा करेंगे (कोविड-19 महामारी की स्थिति को ध्यान में रखते हुये तिथि की घोषणा की जायेगी)।

Students taking admission through Online will attend the college office on the dates fixed by the college and submit all the necessary documents after getting the documents verified.

05. Reservation Policy according to C.G. Govt. Policy

प्रवेश के लिये आवश्यक दस्तावेज (पात्रता अनुसार छात्राएँ निम्न दस्तावेज अपलोड करें) :-

Documents required for admission (As per eligibility, the students will upload the following documents):-

1. विश्वविद्यालय के पंजीयन फार्म की हार्डकॉपी  
Hard copy of the University Registration Form.
2. पासपोर्ट साईज फोटो  
Passport Size Photo
3. 10 वीं की मार्कशीट (जन्मतिथि की पुष्टि हेतु)  
10<sup>th</sup> Marksheet (for confirmation of date of birth).
4. 12 वीं की मार्कशीट  
12<sup>th</sup> Marksheet
5. छात्रा के हस्ताक्षर  
Signature of the students

(नोट :- उपरोक्त बिन्दु 1 से 5 तक के दस्तावेज महाविद्यालय के **Online Portal** में **Upload** करना अनिवार्य है, अन्य दस्तावेज बिन्दु 5 से 13 तक के दस्तावेजों को सुविधानुसार **Upload** कर सकते हैं, परंतु महाविद्यालय कार्यालय में प्रवेश लेने के पश्चात् सभी दस्तावेजों की हार्ड कॉपी जमा करना अनिवार्य होगा, तभी प्रवेश की पुष्टि होगी)

6. माईग्रेशन सर्टीफिकेट (छ.ग. बोर्ड हेतु आवश्यक नहीं है)  
Migration Certificate (Not required for C.G. Board)
7. गैप सर्टीफिकेट (जिनका गैप हो)  
Gap Certificate (Candidates who had gap)

8. आधार कार्ड की प्रतिलिपि  
Photocopy of Adhar Card
9. जाति प्रमाण पत्र की कॉपी (छ.ग. शासन द्वारा जारी प्रमाण पत्र ही मान्य) – सामान्य वर्ग हेतु आवश्यक नहीं है।  
Caste Certificate (Certificate issued by C.G. Government only is valid) Not required for general category.
10. स्थानांतरण प्रमाण पत्र  
Transfer Certificate
11. चरित्र प्रमाण पत्र  
Character Certificate
12. ब्लड-ग्रुप टेस्ट रिपोर्ट  
Blood Group Test Report
13. पात्रता प्रमाण पत्र (प्रवेश उपरांत होली क्रॉस वीमेन्स कॉलेज कार्यालय से प्राप्त करें)  
Eligibility Certificate (After Admission Obtain from Holy Cross Women's College office).

महाविद्यालय पोर्टल पर पंजीकरण से पहले छात्रायें निम्नलिखित दिशा-निर्देशों को ध्यान से पढ़ें।

**Before registering on the college portal, students should read the following guidelines carefully.**

- विश्वविद्यालय (University) पोर्टल में पंजीकृत अभ्यर्थी ही महाविद्यालय (College) के पोर्टल में पंजीकरण करा सकते हैं।  
Only the candidates registered in the University portal can register in the College portal.
- महाविद्यालय पोर्टल पर पंजीयन प्रक्रिया शुरू करने से पहले प्रवेश प्रक्रिया की समस्त जानकारी (अधिसूचना) को ध्यान से पढ़ लें।  
Before starting the registration process on the College portal, carefully read all the information (notification) of the admission process.
- प्रवेश संबंधी समस्त जानकारी महाविद्यालय की वेबसाइट एवं महाविद्यालय के सूचना पटल पर उपलब्ध होंगी।  
All the admission related information will be available on the website and the notice board of the College.

- महाविद्यालय पोर्टल में पंजीकरण करते समय सभी जानकारीयों सही-सही भरें जैसा कि आपके दस्तावेजों में अंकित है, बाद में किसी बदलाव पर विचार नहीं किया जायेगा।

While registering in the college, fill all the information correctly as mentioned in your documents, no change will be considered later.

- महाविद्यालय पोर्टल पर पंजीयन करते समय यदि आपका ब्राउजर बीच में बन्द हो जाये या आप लॉगआउट हो जाये तो पुनः लॉगइन करने के लिये लॉगइन पासवर्ड का उपयोग करें।

While registering on the college portal, if your browser gets closed midway or you are logged out, then use the login password to login again.

- महाविद्यालय में प्रवेश प्रक्रिया शासन द्वारा जारी दिशानिर्देशों के अनुसार सम्पन्न कराई जायेगी, आरक्षण हेतु शासन की आरक्षण नीति का पालन किया जायेगा।

The admission process in the College will be done according to the guidelines issued by the Government, the reservation policy of the Government will be followed for reservation.

- किसी भी अभ्यर्थी का महाविद्यालय में प्रवेश तब ही मान्य होगा जब वो प्रवेश की प्रक्रिया पूरी कर ले व शुल्क जमा कर दें। प्रवेश शुल्क जमा करने के पश्चात् किसी भी स्थिति में वापस नहीं किया जा सकेगा (Fees Non Refundable).

Admission of any candidate to the college will be valid only when she completes the admission process and pays the fee. Admission fee once deposited will not be refundable under any circumstances. (Fee Non-refundable).

- **विशेष टीप -** प्रवेश हेतु आरक्षण छ.ग. शासन की आरक्षण नीति के अनुरूप होगा।
  1. जाली प्रमाण-पत्रों, गलत जानकारी, जानबूझकर छिपाये गये प्रतिकूल तथ्यों, प्रशासकीय अथवा कार्यालयीन असावधानीवश यदि किसी आवेदक को प्रवेश मिल गया है, तब ऐसे प्रवेश को निरस्त करने का पूर्ण दायित्व प्राचार्य को होगा।
  2. प्रवेश लेकर किसी समुचित कारण, पूर्व अनुमति या सूचना के बिना लगातार एक माह या अधिक समय अनुपस्थित रहने वाले छात्राओं को प्रवेश निरस्त करने का अधिकार प्राचार्य को होगा।
  3. प्रवेश के बाद सत्र के दौरान जिनके विरुद्ध न्यायालय में चालान प्रस्तुत किया गया हो या न्यायालय में अपराधिक प्रकरण दुर्व्यवहार/मारपीट करने के गंभीर आरोप हो, महाविद्यालय में तोड़-फोड़ करने और महाविद्यालय की संपत्ति को नष्ट करने वाले/रैगिंग के आरोपी छात्र/छात्राओं का प्रवेश निरस्त करने, प्रवेश न देने के लिए प्राचार्य अधिकृत है।

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## HOLY CROSS WOMEN'S COLLEGE

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4. प्रवेश के बाद सत्र के दौरान छात्राओं द्वारा महाविद्यालय छोड़ देने अथवा उसका प्रवेश निरस्त होने अथवा उसका निष्कासन किये जाने की स्थिति में छात्राओं को संरक्षित निधि के अतिरिक्त अन्य कोई शुल्क वापिस नहीं किया जायेगा।
- महाविद्यालय में प्रवेश से संबंधित जानकारी प्राप्त करने के लिये महाविद्यालय के वेबसाईट का नियमित अवलोकन करें एवं निम्नलिखित नम्बरों पर सम्पर्क करें या ई-मेल करें :-

To get information related to admission in the college, visit the website of the college regularly and contact or email on the following numbers.

Email address : [admission@holycrosswcamb.com](mailto:admission@holycrosswcamb.com)

Website : [www.holycrosswcamb.com](http://www.holycrosswcamb.com)

Mobile Number : 9406037307 / 7828220409

9165021789 / 7042545191

Landline Number : 07774 230690





**ELIGIBILITY FOR THE FOLLOWING P.G. COURSES:**

- M.A. PSYCHOLOGY:** Required marks for admission to this course would be 50% and above. Graduates of B.A. with Psychology as a subject, B.Sc. & B.Sc. (H.Sc.) can take admission to this course. Selection will be on the basis of merit.
- M.A. ECONOMICS :** Graduates with minimum 50% marks having Economics as a subject at B.A. Level.
- M.A. English :** Any Graduates having minimum 50% marks are eligible to apply.
- HINDI :** Required marks for admission to this course would be 50% and above. Graduates having Hindi Literature as a subject at B.A. level will be given preference.
- M.S.W. :** Graduates from any discipline with minimum 50% marks.
- M.Com. :** Candidates who qualify B.Com. with good academic record with at least 50% marks at degree level.
- M.Sc. Microbiology :** Candidates who qualify B.Sc. with Bioscience/Botany/ Biochemistry/Zoology/Microbiology/ Biotechnology with good academic record with at least 50% marks at degree level.
- M.Sc. Biotechnology :** Graduates with minimum 50% marks having any of the following subjects-Botany/Zoology/Bio-science/Biochemistry/Biotechnology / Microbiology/Industrial Microbiology at B.Sc. level.
- M.Sc. Chemistry :** B.Sc. with Chemistry as one paper and has minimum 50% marks are eligible to apply. Selection will be on merit basis.

**P.G. (CBCS) COURSE**

**M.Sc. MICROBIOLOGY : FACULTY OF LIFE SCIENCE  
FIRST SEMESTER (ODD SEMESTER)**

Course Code	Course Type	Course (paper/subjects)	Credits	Maximum Marks		
				CCA	SEE	Total
MMB 101	CCC	General Microbiology	6	30	70	100
MMB 102	CCC	Microbiology/Chemistry	6	30	70	100
MMB 103	CCC	Molecular biology	6	30	70	100
MMB S01	OSC	Computer Application Biometry mentation and Bio statistics	6	30	70	100
MMB A01	ECC/CB	Cell Biology and Genetics	6	30	70	100
MMB A02	ECC/CB	Enzyme and Enzyme Technology				
MMB 03	ECC/CB	Science and Technology for Real Development				
MMB 111	LAB	Lab Course	-	-	-	100
<b>Minimum Credits in complete semester would be 30</b>			<b>Total: 34</b>	<b>-</b>	<b>-</b>	<b>600</b>

Note: CCC - Compulsory Core Course  
OSC - Other Supportive Course  
ECC - Elective Core Course

### P.G. (CBCS) COURSE

**With Effect From ACADEMIC YEAR : 2022-2023**

**M.Sc. MICROBIOLOGY : FACULTY OF LIFE SCIENCE  
SECOND SEMESTER (EVEN SEMESTER)**

Course Code	Course Type	Course (paper/subjects)	Credits	Maximum Marks		
				CCA	SEE	Total
MMB 201	CCC	Immunology	6	30	70	100
MMB 202	CCC	Medical Microbiology	6	30	70	100
MMB 203	CCC	Microbial Physiology and Metabolism	6	30	70	100
MMB S02	PRJ/FST/EST	Social Outreach/Educational study tour	6	30	70	100
MMB B01	ECC/CB	Plant and Animal Biotechnology	6	30	70	100
MMB B02	ECC/CB	Plant Physiology				
MMB B03	ECC/CB	Pharmaceutical Biotechnology				
MMB 211	LAB	Lab Course-2	4	-	-	100
<b>Minimum Credits in individual subject are 6 and in complete semester it would be 30</b>			<b>Total: 34</b>	-	-	<b>600</b>

Note: CCC - Compulsory Core Course  
 OSC - Other Supportive Course  
 ECC - Elective Core Course

### P.G. (CBCS) COURSE

**With Effect From ACADEMIC YEAR : 2022-2023**

**M.Sc. MICROBIOLOGY : FACULTY OF LIFE SCIENCE  
THIRD SEMESTER (EVEN SEMESTER)**

Course Code	Course Type	Course (paper/subjects)	Credits	Maximum Marks		
				CCA	SEE	Total
MMB 301	CCC	Industrial Microbiology	6	30	70	100
MMB 302	CCC	Food and Agriculture Microbiology	6	30	70	100
MMB 303	CCC	Environmental Microbiology	6			100
MMB S03	OSC	Recombinant DNA Technology	6	30	70	100
MMB C01	ECC/CB	Ecology and Biodiversity	6	30	70	100
MMB C02	ECC/CB	Bio Nanotechnology				
MMB C03	ECC/CB	Food Science and Technology				
MMB 311	LAB	Lab Course-3	4	-	-	100
<b>Minimum Credits in individual subject are 6 and in complete semester it would be 30</b>			<b>Total: 34</b>	-	-	<b>600</b>

Note: CCC - Compulsory Core Course  
 OSC - Other Supportive Course  
 ECC - Elective Core Course



## P.G. (CBCS) COURSE

**With Effect From ACADEMIC YEAR : 2022-2023**

**M.Sc. MICROBIOLOGY : FACULTY OF LIFE SCIENCE  
FOURTH SEMESTER (EVEN SEMESTER)**

Course Code	Course Type	Course (paper/subjects)	Credits	Maximum Marks		
				CCA	SEE	Total
MMB 401	CCC	Research Methodology	6	30	70	100
MMB 402	CCC	IPR, Bioethics & Management	6	30	70	100
MMB 421	SSC/PRJ	<b>Dissertation</b>				
		A. Valuation				
		1. Presentation				
		2. Review of Literature				
		3. Methodology	18	60*	240*	318
		4. Analysis & Interpretation of Result				
		B. Viva-Voce				

Note: CCC - Compulsory Core Course  
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 ECC - Elective Core Course

### **P.G. (CBCS) COURSE**

**With Effect From ACADEMIC YEAR : 2022-2023**

**M.Sc. BIOTECHNOLOGY : FACULTY OF LIFE SCIENCE  
FIRST SEMESTER (ODD SEMESTER)**

Course Code	Course Type	Course (paper/subjects)	Credits	Maximum Marks		
				CCA	SEE	Total
BTC 101	CCC	Cell Biology	6	30	70	100
BTC 102	CCC	Microbiology	6	30	70	100
BTC 103	CCC	Biochemistry	6	30	70	100
BTC S01	OSC	Computer Application Bio instrumentation and Biostatistics	6	30	70	100
BTC A01	ECC/CB	Enzymology and Enzyme Technology	6	30	70	100
BTC A02	ECC/CB	Science & Technology for Rural Development				
BTC A03	ECC/CB	Plant Ecology and Physiology				
BTC 111	LAB	Lab Course-1	4	-	-	100
<b>Minimum Credits in complete semester it would be 30</b>			<b>Total: 34</b>			<b>600</b>

Note: CCC - Compulsory Core Course  
OSC - Other Supportive Course  
ECC - Elective Core Course

### **P.G. (CBCS) COURSE**

**With Effect From ACADEMIC YEAR : 2022-2023**

**M.Sc. BIOTECHNOLOGY : FACULTY OF LIFE SCIENCE**

**SECOND SEMESTER (EVEN SEMESTER)**

Course Code	Course Type	Course (paper/subjects)	Credits	Maximum Marks		
				CCA	SEE	Total
BTC 201	CCC	Immunology	6	30	70	100
BTC 202	CCC	Genetics and Molecular Biology	6	30	70	100
BTC 203	CCC	Plant Biotechnology	6	30	70	100
BTC 221	PRJ/FST /EST	Social Outreach/ Educational study tour	6	30	70	100
BTC B01	ECC/CB	Animal Biotechnology	6	30	70	100
BTC B02	ECC/CB	Pharmaceutical Biotechnology				
BTC B03	ECC/CB	Food Science and Technology				
BTC 211	LAB	Lab Course-2	4	-	-	100
<b>Minimum Credits in complete semester it would be 30</b>			<b>Total: 34</b>			<b>600</b>

Note: CCC - Compulsory Core Course

OSC - Other Supportive Course

ECC - Elective Core Course

**P.G. (CBCS) COURSE**

**With Effect From ACADEMIC YEAR :2022-2023**

**M.Sc. BIOTECHNOLOGY : FACULTY OF LIFE SCIENCE**

**THIRD SEMESTER (ODD SEMESTER)**

Course Code	Course Type	Course (paper/subjects)	Credits	Maximum Marks		
				CCA	SEE	Total
BTC 301	CCC	Bio informatics S3	6	30	70	100
BTC 302	CCC	Genetic Engineering & R-DNA Technology -I	6	30	70	100
BTC 303	CCC	Environmental Biotechnology A	6	30	70	100
BTC S03	OSC	Bioprocess Engineering	6	30	70	100
BTC 301	ECC/CB	Medical Biotechnology	6	30	70	100
BTC 302	ECC/CB	Biodiversity and Conservation				
BTC 303	ECC/CB	Bionanotechnology				
BTC 311	LAB	Lab Course-3	4	-	-	100
<b>Minimum Credits in complete semester it would be 30</b>			<b>Total: 34</b>			<b>600</b>

Note: CCC - Compulsory Core Course

OSC - Other Supportive Course

ECC - Elective Core Course



### **P.G. (CBCS) COURSE**

**With Effect From ACADEMIC YEAR : 2022-2023**

**M.Sc. BIOTECHNOLOGY : FACULTY OF LIFE SCIENCE**

**FOURTH SEMESTER (EVEN SEMESTER)**

Course Code	Course Type	Course (paper/subjects)	Credits	Maximum Marks		
				CCA	SEE	Total
BTC 401	CCC	Research Methodology	6	30	70	100
BTC 402	CCC	IPR, Bioethics & Biotech Management	6	30	70	100
BTC 421	SSC/PRJ	Dissertation A. Valuation 1. Presentation 2. Review of Literature 3. Methodology 4. Analysis & Interpretation of Result B. Viva-Voce	18	61	** 240	300

Note: CCC - Compulsory Core Course

OSC - Other Supportive Course

ECC - Elective Core Course

## P.G. (CBCS) COURSE

### **M.Sc. CHEMISTRY**

#### **FIRST SEMESTER (CBCS)**

Course Code	Course Type	Course (paper/subjects)	Credits	Contact Hours Per Week			SEE Duration (Hrs.)		Marks	
				L	T	P	THY	P	SE E	IA
MSC 101	CCC	INORGANIC CHEMISTRY-1	6	4	3	0	3	0	70	30
MSC 102	CCC	ORGANIC CHEMISTRY-1	6	4	3	0	3	0	70	30
MSC 103	CCC	ANALYTICAL CHEMISTRY	6	4	3	0	3	0	70	30
MSC 111	CCC	INORGANIC AND ANALYTICAL CHEMISTRY-1 LAB	6	0	0	9	0		100	
MSC S01	OSC	RESEARCH METHODOLOGY & COMPUTER APPLICATION : BASICS	6	4	3	0	3	0	70	30
MSC A01	ECC/CB	CONSTITUTIONALISM & INDIAN POLITICAL SYSTEM	6	4	3	0	3	0	70	30
MSC A02	ECC/CB	GROUP THEORY SPECTROSCOPY AND DIFFRACTION METHODS								
MSC A03	ECC/CB	COMPUTER PROGRAMMING IN CHEMISTRY								
MSC A04	ECC/CB	MEDICINAL CHEMISTRY								
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			Total Credit= 36							

## P.G. (CBCS) COURSE

### **M.Sc. CHEMISTRY**

#### **SECOND SEMESTER (CBCS)**

Course Code	Course Type	Course (paper/subjects)	Credits	Contact Hours Per Week			SEE Duration (Hrs.)		Marks	
				L	T	P	THY	P	SE E	IA
MSC 201	CCC	INORGANIC CHEMISTRY	6	4	3	0	3	0	70	30
MSC 202	CCC	ORGANIC CHEMISTRY-2	6	4	3	0	3	0	70	30
MSC 203	CCC	PHYSICAL CHEMISTRY	6	4	3	0	3	0	70	30
MSC 211	CCC	ORGANIC AND PHYSICAL CHEMISTRY-1 LAB	6	0	0	9	0		100	
MSC S02	PRJ/SSC	SOCIAL OUTREACH AND SKILL DEVELOPMENT	6	4	3	0	3	0	70	30
MSC B01	ECC/CB	ENVIRONMENTAL AND FOREST LAWS	6	4	3	0	3	0	70	30
MSC B02	ECC/CB	POLYMER CHEMISTRY								
MSC B03	ECC/CB	ORGANIC SYNTHESIS-1								
MSC B04	ECC/CB	APPLIED CHEMISTRY								
MINIMUM CREDITS IN INDIVIDUAL SUBJECT IS 6 AND IN COMPLETE SEMESTER IT WOULD BE 30			Total Credit= 36							

Note: CCC - Compulsory Core Course  
 OSC - Other Supportive Course  
 ECC - Elective Core Course