

## 1.2.1 (CBCS) Elective Courses

### B. Elective option as per prospectus



**B.A**

आवश्यक विषय – इंग्रजी, मराठी / संस्कृत

विकल्पिक विषय - मराठी साहित्य, इंग्रजी साहित्य, संस्कृत साहित्य, अर्थशास्त्र, राज्यशास्त्र, इतिहास, समाजशास्त्र, गृहअर्थशास्त्र



**B.Com**

आवश्यक विषय – इंग्रजी, मराठी / हिंदी

विकल्पिक विषय - अकौन्टन्सी, प्रिन्सिपल्स ऑफ बिजनेस मॅनेजमेंट, अर्थशास्त्र.



**B.Sc**

**Computer Group** – Compulsory Subject – English,  
Marathi/Hindi

Optional Subject - Physics, Mathematics, Computer Science

**Microbiology Group** – Compulsory Subject – English,  
Marathi/Hindi

Optional Subjects – Chemistry, Zoology, Microbiology

## ■ Bachelor of Arts (B.A.)

### भाग १

**आवश्यक विषय** : इंग्रजी, मराठी / संस्कृत.

**वैकल्पिक विषय** : मराठी साहित्य, इंग्रजी साहित्य, संस्कृत साहित्य, अर्थशास्त्र, राज्यशास्त्र, इतिहास, समाजशास्त्र, गृहअर्थशास्त्र

**महत्त्वाचे** : १. वरील वैकल्पिक विषयापैकी तीन विषय विद्यार्थ्याला निवडता येतील.  
२. विषयांचे गृपींग महाविद्यालयाने ठरवून दिल्या प्रमाणे राहिल. या संबंधीची सूचना प्रवेशाचे वेळी सूचना फलकावर लागेल. नामांकन अर्ज भरल्यानंतर विषय बदलता येणार नाही.

### भाग २

**आवश्यक विषय** : इंग्रजी, मराठी / संस्कृत.

**वैकल्पिक विषय** : मराठी साहित्य, इंग्रजी साहित्य, संस्कृत साहित्य, अर्थशास्त्र, राज्यशास्त्र, इतिहास, पर्यावरण, समाजशास्त्र, गृहअर्थशास्त्र

### भाग ३

**आवश्यक विषय** : इंग्रजी, मराठी / संस्कृत.

**वैकल्पिक विषय** : मराठी साहित्य, इंग्रजी साहित्य, अर्थशास्त्र, राज्यशास्त्र, इतिहास, समाजशास्त्र, गृहअर्थशास्त्र, संस्कृत साहित्य

## ■ Bachelor of Science (B.Sc.)

### COMPUTER GROUP

#### B.Sc. Part I - Semester I & II

**Compulsory Subjects** : 1) English 2) Marathi / Hindi **Optional Subjects** : 1) Physics 2) Mathematics 3) Computer Science

#### Contents of Computer Science

**Paper I - Information Technology** : Introduction to Computer, Number System, Window Operating System, MS-Word, MS-Excel, internet

**Paper II - C Programming** : Programming Concept, Elements Functions, File Handling, Pointer

**B.Sc. Part II - Semester III & IV** : 1) Physics 2) Mathematics 3) Computer Science 4) Environment

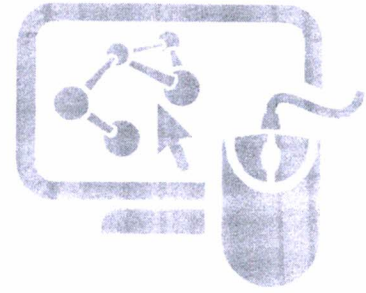
**Paper III - Object Oriented Programming with C++** : Basic concept of OOPS, Structure of C++, Classes & Objects, Operator overloading, Constructor, Destructor, Inheritance, Polymorphism, File Handling

**Paper IV - Networking and Web Designing** : Network Concept, Morden Transmission, Media, LAN & WAN, OSI Model, Introduction to XML, Elements, Attributes, Entities, OTO, Schema

**B.Sc. Part III - Semester V & VI** : 1) Physics 2) Mathematics 3) Computer Science

**Paper V - Relational Database Management System** : Fundamentals of DBMS, RDBMS, Database Models, Relational Model, Introduction to SQL, Data types, Creating tables & Views, Operators & Conditions DDL commands, Functions, Cursor, PUSOL.

**Paper VI - Visual Basic** : Introduction, Programming Process, Event, Driven programming, VB Environment, Toolbox Controls, Creating Menus, Internal Functions, Dialogbox Controls, Working with forms, Working with Files.



### MICROBIOLOGY GROUP

#### B.Sc. Part I - Semester I & II

Compulsory Subject : 1) English 2) Marathi / Hindi  
 Optional Subjects : 1) Chemistry 2) Zoology 3) Microbiology

#### B.Sc. Part II - Semester III & IV

Subjects : 1) Chemistry 2) Zoology 3) Microbiology 4) Environment

#### B.Sc. Part III - Semester V & VI

Subjects : 1) Chemistry 2) Zoology 3) Microbiology

## NAAC CRITERIA 1

### 1..2.1

#### Name of Programs Adopting Elective Course System

1. B.A.
2. B.Sc.

There are two programs which were run in 2019-2020 session in which elective course system was offered to students.

In the program of Bachelor of Arts , the optional subject were – History , Sociology , Political Science , Economics , Home Economics , Marathi Literature , English Literature And Sanskrit Literature. Students could select any of three subjects mentioned above.

In this program, students could select any two languages out of Hindi , Marathi & Sanskrit .

In Bachelor of Science, students could select one group out of two groups. Each involving three subjects. The two groups are categorized as Biology group & Mathematics group.