| К             | (AZI NAZRUL I | UNIVERSITY          |          | FACULTY OF SCIENCE, TECHNOLOGY & VOCATIONAL STUDIES   | 3-Year UG D<br>(Honours) / 4-Ye | egree /4-Year UC<br>ar UG Degree (He<br>Research)              |                      | WITH EFFECT FROM THE ACADEMIC SESSION: 2023-24 |                  |                   |                   |                  |                  | 2023-24     |                |           |
|---------------|---------------|---------------------|----------|---|---------------------------------|--|----------------------|--|------------------|-------------------|-------------------|------------------|------------------|-------------|----------------|-----------|
| Abbrevia      |               |                     | ıe       |   |                                 |  |                      |  |                  |                   | CA M              | arks             | ESE I            | Marks       |                |           |
| ted<br>Degree | Discipline    | Degree<br>Programme | Semester | Course Name   | Course Type                     | Course Code  | Course Details       | L - T - P                                      | Course<br>Credit | Sem Credit        | Practical         | Theoretical      | Practical        | Theoretical | Total<br>Marks | Sem Marks |
|               |               |                     |          | Introduction to Programming using C   | MAJOR                           | BSCCOSMJ101  | MJC-1                | 3 - 0 - 4                                      | 5                |                   | 30                | 15               | 20               | 35          | 100            | 1         |
|               |               |                     |          | Choose from the Pool of Minor Courses offered in 1st Semester by other Disciplines within the faculty | MINOR                           | See Pool   | MNC-1                | See Pool                                       | 5                |                   |                   | See P            | ool              |             | 100            |           |
|               |               |                     | I        | Choose from the Pool of Multidisciplinary Courses offered in 1st Semester across the faculties        | MD                              | See Pool   | MDC-1                | 2 - 1 - 0                                      | 3                | 20                |                   | 15               |                  | 35          | 50             | 350       |
|               |               |                     |          | English/MIL Communication   | AE                              | See Pool   | AEC-1                | 4 - 0 - 0                                      | 4                |                   |                   | 15               |                  | 35          | 50             |           |
|               |               |                     |          | Office Automation Software Lab  | SE                              | BSCCOSSE101  | SEC-1                | 0 - 0 - 6                                      | 3                |                   | 30                |                  | 20               |             | 50             |           |
|               |               |                     |          | _   |                                 | 1  |                      |  |                  | 1 1               |                   | T                |                  | 1           |                |           |
|               |               |                     |          | Data Structures and Algorithms  | MAJOR                           | BSCCOSMJ201  | MJC-2                | 3 - 0 - 4                                      | 5                |                   | 30                | 15               | 20               | 35          | 100            | 1         |
|               |               |                     | II       | Choose from the Pool of Minor Courses offered in 2nd Semester by other Disciplines within the faculty | MINOR                           | Corresponding Course<br>Code of Minor opted in<br>1st Semester | MNC-2                | See Pool                                       | 5                | 20                | See Pool          |                  |                  |             | 100            | 350       |
|               |               |                     |          | Choose from the Pool of Multidisciplinary Courses offered in 2nd Semester across the faculties        | MD                              | See Pool   | MDC-2                | 2 - 1 - 0                                      | 3                |                   |                   | 15               |                  | 35          | 50             |           |
|               |               |                     |          | Environment Studies   | VA                              | VA201  | VAC-1                | 4 - 0 - 0                                      | 4                |                   |                   | 15               |                  | 35          | 50             |           |
|               |               |                     |          | Basics of Python  | SE                              | BSCCOSSE201  | SEC-2                | 0 - 0 - 6                                      | 3                |                   | 30                |                  | 20               |             | 50             | 1         |
|               |               |                     | C. 1     |   | ( ' (                           | 0.11 / 11.14   | C 11 . 4 . 11        |  | <i>c</i> 1       | ,                 |                   | 1.               |                  |             |                |           |
|               |               |                     | Studen   | at exiting the programmes after securing 40 credits will be awarded UG Certific                       | ate in the relevant Discipline/ | Subject provided they secu                                     | re following 4 credi | its in work based                              | vocational c     | ourses / summer   | internship during | g ist year       |                  |             |                |           |
|               |               |                     | II       | Vocational Course Any One   | VC                              | VC201  | VCC-1                | 0 - 0 - 8                                      | 4                | 24                | 30                |                  | 20               |             | 50             | 400       |
|               |               |                     |          | Summer Internship   | SI                              | SI201  | SIC-1                |  |                  |                   |                   |                  |                  |             |                |           |
|               |               |                     |          | Discrete Mathematics  | MAJOR                           | BSCCOSMJ301  | MJC-3                | 4 - 1 - 0                                      | 5                |                   |                   | 30               |                  | 70          | 100            |           |
|               |               |                     |          | Digital Logic and Computer Organization   | MAJOR                           | BSCCOSMJ302  | MJC-4                | 3 - 0 - 4                                      | 5                | 1                 | 30                | 15               | 20               | 35          | 100            | 1         |
|               |               | 2 UC                | Ш        | Choose from the Pool of Minor Courses offered in 3rd Semester by other Disciplines within the faculty | MINOR                           | See Pool   | MNC-3                | See Pool                                       | 5                | 22                |                   |                  | 100              | 400         |                |           |
|               |               | 3-year UG<br>Degree |          | Choose from the Pool of Multidisciplinary Courses offered in 3rd Semester across the faculties        | MD                              | See Pool   | MD-3                 | 2 - 1 - 0                                      | 3                |                   |                   | 15               |                  | 35          | 50             |           |
|               |               |                     |          | MIL/English Communication   | AE                              | See Pool   | AEC-2                | 4 - 0 - 0                                      | 4                | 1                 |                   | 15               |                  | 35          | 50             | 1         |
|               |               |                     | Studen   | ats who opted English in SEM-I have to opt for any course from MIL (Bengali/                          | Hindi/Urdu/Alternative Engli    | sh) in SEM -III and Studen                                     | nts who opted MIL    | (Bengali/Hindi/U                               | rdu/Alternat     | ive English) in S | EM -I have to on  | t English in SE  | M -III           |             |                | •         |
|               |               |                     |          | 1 0 (Bougan   | Zingin                          | , State  |                      |  |                  |                   | - 1111110 ор      | B D.L.           |                  |             |                |           |
|               |               |                     |          | Operating System  | MAJOR                           | BSCCOSMJ401  | MJC-5                | 3 - 0 - 4                                      | 5                |                   | 30                | 15               | 20               | 35          | 100            |           |
|               |               |                     |          | Object Oriented Design and Programming  | MAJOR                           | BSCCOSMJ402  | MJC-6                | 3 - 0 - 4                                      | 5                | 1                 | 30                | 15               | 20               | 35          | 100            | 1         |
|               |               |                     | IV       | Choose from the Pool of Minor Courses offered in 4th Semester by other Disciplines within the faculty | MINOR                           | See Pool   | MNC-4                | See Pool                                       | 5                | 22                |                   | See P            | ool              |             | 100            | 400       |
|               |               |                     |          | Web Programming   | SE                              | BSCCOSSE401  | SEC-3                | 0 - 0 - 6                                      | 3                | 1                 | 30                |                  | 20               |             | 50             |           |
|               |               |                     |          | Choose from the Pool of Value Added Course offered in 4th Semester                                    | VA                              | See Pool   | VAC-2                | See Pool                                       | 4                |                   |                   | 15               |                  | 35          | 50             |           |
|               |               |                     |          | Student exiting the programmes after securing 84 cre  | edits will be awarded UG Din    | oma in the relevant Discin                                     | line/Subject provide | ed they secure fol                             | lowing 4 cre     | dits in work bas  | ed vocational con | rses / summer ir | nternship during | 2nd vear    |                | 1         |
|               |               |                     |          | Vecational Course   | VC                              | VC401  | VCD-1                | 1  |                  | 1                 |                   | ises / summer ii |                  | - 2u yeur   | _              | Τ.        |
|               |               |                     | IV       | Summer Internship  Any One  | SI                              | SI401  | SID-1                | 0 - 0 - 8                                      | 4                | 26                | 30                |                  | 20               |             | 50             | 450       |
|               |               |                     |          |   |                                 |  |                      |  |                  |                   |                   |                  |                  |             |                |           |
| BSC           | COMPUTER      |                     |          | Design and Analysis of Algorithms   | MAJOR                           | BSCCOSMJ501  | MJC-7                | 4 - 1 - 0                                      | 5                |                   |                   | 30               |                  | 70          | 100            | 4         |
| BSC           | SCIENCE       |                     | v        | Database Management System Computer Networks  | MAJOR<br>MAJOR                  | BSCCOSMJ502<br>BSCCOSMJ503                                     | MJC-8<br>MJC-9       | 3 - 0 - 4                                      | 5                | 20                | 30                | 15<br>15         | 20<br>20         | 35<br>35    | 100<br>100     | 400       |
|               |               |                     | •        | Choose from the Pool of Minor Courses offered in 5th Semester by other                                |                                 |  |                      |  |                  | 20                | 30                |                  |                  | 33          |                | 400       |
|               |               |                     |          | Disciplines within the faculty  | MINOR                           | See Pool   | MNC-5                | See Pool                                       | 5                |                   |                   | See P            | ool              |             | 100            |           |

|                        |      | G + 1 1N+ 1 G +   | 261707                                  | Dagger Marris  | 3.550.40                                      | 1  |                       | ı               |                    | 20                   |                        | 70                         | 100                                      |
|------------------------|------|---|---|--|---|--|-----------------------|-----------------|--------------------|----------------------|------------------------|----------------------------|--|
|                        |      | Crytography and Network Security  | MAJOR                                   | BSCCOSMJ601  | MJC-10  | 4 - 1 - 0                                    | 5                     |                 |                    | 30                   |                        | 70                         | 100                                      |
|                        | ***  | Theory of Computation   | MAJOR                                   | BSCCOSMJ602  | MJC-11  | 4 - 1 - 0                                    | 5                     | 22              |                    | 30                   |                        | 70                         | 100                                      |
|                        | VI   | Computer Graphics   | MAJOR                                   | BSCCOSMJ603  | MJC-12  | 3 - 0 - 4                                    | 5                     | 22              | 30                 | 15                   | 20                     | 35                         | 100                                      |
|                        |      | Software Engineering  | MAJOR                                   | BSCCOSMJ604  | MJC-13  | 3 - 0 - 4                                    | 5                     |                 | 30                 | 15                   | 20                     | 35                         | 100                                      |
|                        |      | Summer Internship   | SI                                      | SI601  | SIMC-1  | 0 - 0 - 4                                    | 2                     |                 | 30                 |                      | 20                     |                            | 50                                       |
|                        |      | Total Credit and Marks  |   | TOTAL C  | REDIT   |  |                       | 126             |                    | TO                   | OTAL MARKS             | S                          |  |
|                        |      | Students who  | want to undertake 3-year                | · UG programme will be a   | warded UG Degre                               | e in the relevant                            | Discipline /          | Subject upon    | securing 126 credi | its                  |                        |                            |  |
|                        |      | In . ve :   | 161707                                  | D000000147504  | 1 1170 11                                     | 1  |                       | Т               |                    | 20                   |                        | 70                         | 10                                       |
|                        |      | Data Mining   | MAJOR                                   | BSCCOSMJ701  | MJC-14  | 4 - 1 - 0                                    | 5                     | _               |                    | 30                   |                        | 70                         | 10                                       |
|                        |      | Internet of Things  | MAJOR                                   | BSCCOSMJ702  | MJC-15  | 4 - 1 - 0                                    | 5                     | _               | 2.0                | 30                   |                        | 70                         | 10                                       |
|                        | VII  | Artificial Intelligence and Machine Learning  | MAJOR                                   | BSCCOSMJ703  | MJC-16  | 3 - 0 - 4                                    | 5                     | 25              | 30                 | 15                   | 20                     | 35                         | 100                                      |
|                        |      | Embedded System   | MAJOR                                   | BSCCOSMJ704  | MJC-17  | 3 - 0 - 4                                    | 5                     | 4               | 30                 | 15                   | 20                     | 35                         | 100                                      |
| 4 - Year UC            |      | Choose from the Pool of Minor Courses offered in 7th Semester by other Disciplines within the faculty   | MINOR                                   | See Pool   | MNC-6   | See Pool                                     | 5                     |                 |                    | See l                | Pool                   |                            | 10                                       |
| Degree                 |      |   |   |  | _   |  |                       |                 |                    |                      |                        |                            |  |
| (Honours)              |      | Data Analytics  | MAJOR                                   | BSCCOSMJ801  | MJC-18  | 3 - 0 - 4                                    | 5                     | <u> </u>        | 30                 | 15                   | 20                     | 35                         | 10                                       |
|                        |      | Cloud Computing   | MAJOR                                   | BSCCOSMJ802  | MJC-19  | 3 - 1 - 0                                    | 4                     | <u> </u>        |                    | 30                   |                        | 70                         | 10                                       |
|                        | VIII | Mobile Application Development  | MAJOR                                   | BSCCOSMJ803  | MJC-20  | 3 - 1 - 0                                    | 4                     | 22              |                    | 30                   |                        | 70                         | 10                                       |
|                        | VIII | Dissertation/ Major Project   | MAJOR                                   | BSCCOSMJ804  | MJC-21  | 0 - 0 - 8                                    | 4                     | 22              | 60                 |                      | 40                     |                            | 10                                       |
|                        |      | Choose from the Pool of Minor Courses offered in 8th Semester by other Disciplines within the faculty   | MINOR                                   | See Pool   | MNC-7   | See Pool                                     | 5                     |                 |                    | See l                | Pool                   |                            | 10                                       |
|                        |      |   |   |  |   |  |                       |                 |                    |                      |                        |                            |  |
|                        |      | Total Credit and Marks  |   | TOTAL C  | REDIT   |  |                       | 173             |                    | TO                   | OTAL MARKS             | S                          |  |
|                        |      | Total Credit and Marks  Students who want to undertake  | 4-year UG Honours progr                 |  |   | in the relevant Di                           | iscipline / Su        |                 | d they secure 173  |                      | OTAL MARKS             | S                          |  |
|                        |      | Students who want to undertake  |   | am will be awarded UG I  | Degree (Honours) i                            |  | •                     |                 | d they secure 173  | credits              | OTAL MARKS             |                            | I 10                                     |
|                        |      | Students who want to undertake  | MAJOR                                   | am will be awarded UG I  | Degree (Honours) i                            | 4 - 1 - 0                                    | 5                     |                 | d they secure 173  | credits 30           | OTAL MARKS             | 70                         |  |
|                        |      | Students who want to undertake  Data Mining Internet of Things  | MAJOR<br>MAJOR                          | BSCCOSMJ701 BSCCOSMJ702  | MJC-14<br>MJC-15                              | 4 - 1 - 0<br>4 - 1 - 0                       | 5 5                   |                 |                    | 30<br>30             | -                      | 70 70                      | 10                                       |
|                        | VII  | Students who want to undertake  Data Mining Internet of Things Artificial Intelligence and Machine Learning   | MAJOR<br>MAJOR<br>MAJOR                 | BSCCOSMJ701 BSCCOSMJ702 BSCCOSMJ703  | MJC-14<br>MJC-15<br>MJC-16                    | 4 - 1 - 0<br>4 - 1 - 0<br>3 - 0 - 4          | 5 5 5                 |                 | 30                 | 30<br>30<br>30<br>15 | 20                     | 70<br>70<br>35             | 10                                       |
|                        |      | Students who want to undertake  Data Mining Internet of Things Artificial Intelligence and Machine Learning Embedded System   | MAJOR<br>MAJOR                          | BSCCOSMJ701 BSCCOSMJ702  | MJC-14<br>MJC-15                              | 4 - 1 - 0<br>4 - 1 - 0                       | 5 5                   | ubject provided |                    | 30<br>30             | -                      | 70 70                      | 10                                       |
| 4 - Year UC<br>Degree  |      | Students who want to undertake  Data Mining Internet of Things Artificial Intelligence and Machine Learning   | MAJOR<br>MAJOR<br>MAJOR                 | BSCCOSMJ701 BSCCOSMJ702 BSCCOSMJ703  | MJC-14<br>MJC-15<br>MJC-16                    | 4 - 1 - 0<br>4 - 1 - 0<br>3 - 0 - 4          | 5 5 5                 | ubject provided | 30                 | 30<br>30<br>30<br>15 | 20 20                  | 70<br>70<br>35             | 10<br>10                                 |
| Degree<br>(Honours wit |      | Data Mining Internet of Things Artificial Intelligence and Machine Learning Embedded System Choose from the Pool of Minor Courses offered in 7th Semester by other Disciplines within the faculty   | MAJOR MAJOR MAJOR MAJOR MAJOR MINOR     | BSCCOSMJ701 BSCCOSMJ702 BSCCOSMJ703 BSCCOSMJ704 See Pool                         | MJC-14<br>MJC-15<br>MJC-16<br>MJC-17<br>MNC-6 | 4-1-0<br>4-1-0<br>3-0-4<br>3-0-4<br>See Pool | 5 5 5 5 5 5           | ubject provided | 30 30              | 30<br>30<br>15<br>15 | 20<br>20<br>20<br>Pool | 70<br>70<br>35<br>35       | 10<br>10<br>10<br>10                     |
| Degree                 |      | Data Mining Internet of Things Artificial Intelligence and Machine Learning Embedded System Choose from the Pool of Minor Courses offered in 7th Semester by other Disciplines within the faculty  Data Analytics                                   | MAJOR MAJOR MAJOR MAJOR MINOR MAJOR     | BSCCOSMJ701 BSCCOSMJ702 BSCCOSMJ703 BSCCOSMJ704 See Pool                         | MJC-14<br>MJC-15<br>MJC-16<br>MJC-17<br>MNC-6 | 4-1-0<br>4-1-0<br>3-0-4<br>3-0-4<br>See Pool | 5<br>5<br>5<br>5<br>5 | ubject provided | 30                 | 30 30 15 15 See 1    | 20 20                  | 70<br>70<br>35<br>35<br>35 | 10<br>10<br>10<br>10<br>10               |
| Degree<br>(Honours wit | h    | Data Mining Internet of Things Artificial Intelligence and Machine Learning Embedded System Choose from the Pool of Minor Courses offered in 7th Semester by other Disciplines within the faculty  Data Analytics Research Methodology              | MAJOR MAJOR MAJOR MAJOR MINOR  MAJOR RP | BSCCOSMJ701 BSCCOSMJ702 BSCCOSMJ703 BSCCOSMJ704 See Pool BSCCOSMJ801 BSCCOSRP801 | MJC-14<br>MJC-15<br>MJC-16<br>MJC-17<br>MNC-6 | 4-1-0<br>4-1-0<br>3-0-4<br>3-0-4<br>See Pool | 5<br>5<br>5<br>5<br>5 | abject provided | 30 30 30           | 30<br>30<br>15<br>15 | 20<br>20<br>20<br>Pool | 70<br>70<br>35<br>35       | 10<br>10<br>10<br>10                     |
| Degree<br>(Honours wit | h    | Data Mining Internet of Things Artificial Intelligence and Machine Learning Embedded System Choose from the Pool of Minor Courses offered in 7th Semester by other Disciplines within the faculty  Data Analytics Research Methodology Dissertation | MAJOR MAJOR MAJOR MAJOR MINOR MAJOR     | BSCCOSMJ701 BSCCOSMJ702 BSCCOSMJ703 BSCCOSMJ704 See Pool                         | MJC-14<br>MJC-15<br>MJC-16<br>MJC-17<br>MNC-6 | 4-1-0<br>4-1-0<br>3-0-4<br>3-0-4<br>See Pool | 5<br>5<br>5<br>5<br>5 | ubject provided | 30 30              | 30 30 15 15 See 1    | 20<br>20<br>20<br>Pool | 70<br>70<br>35<br>35<br>35 | 10<br>10<br>10<br>10                     |
| Degree<br>(Honours wit | h    | Data Mining Internet of Things Artificial Intelligence and Machine Learning Embedded System Choose from the Pool of Minor Courses offered in 7th Semester by other Disciplines within the faculty  Data Analytics Research Methodology              | MAJOR MAJOR MAJOR MAJOR MINOR  MAJOR RP | BSCCOSMJ701 BSCCOSMJ702 BSCCOSMJ703 BSCCOSMJ704 See Pool BSCCOSMJ801 BSCCOSRP801 | MJC-14<br>MJC-15<br>MJC-16<br>MJC-17<br>MNC-6 | 4-1-0<br>4-1-0<br>3-0-4<br>3-0-4<br>See Pool | 5<br>5<br>5<br>5<br>5 | abject provided | 30 30 30           | 30 30 15 15 See 1    | 20<br>20<br>20<br>Pool | 70<br>70<br>35<br>35<br>35 | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 |

Abbreviations: MJ-= Major;MJC-= Major Course;MN= Minor;MNC= Minor Course; AE= Ability Enhancement; AEC= Ability Enhancement Course; SE= Skill Enhancement Course; MD= Multidisciplinary; MDC= Multidisciplinary Course; SI - Summer Internship for Certificate; SID:Summer Internship for Diploma; SIMC - Summer Internship Mandatory Course; RP= Research Project; RPC= Research Project Course; VA= Value Added; VAC= Value Added; VAC= Value Added Course; VCC= Vocational Course for Certificate; VCD= Vocational Course for Diploma; CA=

Continuous Assessment, ESE= End Semester Examination, L= Lecture Hour; T= Tutorial Hour and P= Practical Hour/ Field Work and NA= Not Applicable

Note: Minor Courses (MNC): Students of a particular UG Course will choose from the Pool of Minor Courses offered by disciplines other than the major discipline opted by the student within the faculty. The student is required to opt the same Minor Discipline in the 2nd semester which he had opted in 1st semester.

Explanation: If a student of Physics Major, opts for a Minor Course offered by Chemistry in 1st semester then that student is required to continue with the Minor Course offered by Chemistry for 2nd semester.

## Semesterwise Pool of Minor Courses offered by COMPUTER SCIENCE for other Disciplines within the Faculty

| Disciplin | 6        | C N                                 | C. T.       | Course Code Course Details L - T - P Course Credit Sem Credit Practical Theoreti | Marks          | ESE       | Marks         | T. ( . 1 M 1 . | C. M. I.  |             |           |             |             |           |
|-----------|----------|-------------------------------------|-------------|--|----------------|-----------|---------------|----------------|-----------|-------------|-----------|-------------|-------------|-----------|
| e         | Semester | Course Name                         | Course Type |  | Course Details | L - T - P | Course Credit | Credit         | Practical | Theoretical | Practical | Theoretical | Total Marks | Sem Marks |
| <u> </u>  | I        | Introduction to Programming using C |             | BSCCOSMN101  | MNC-1          | 3 - 0 - 4 | 5             |                | 30        | 15          | 20        | 35          | 100         |           |

| r) #   | In a                                 |   | $\neg$   | BSCCOSMN201 MNC-2 3 - 0              |                           |                                       |                      | 1             |                | 1.5                | 1               | 25               | 100  |                   |
|--|--------------------------------------|---|--|--------------------------------------|---------------------------|---------------------------------------|----------------------|---------------|----------------|--------------------|-----------------|------------------|--|-------------------|
| COMPUTER SCIENC  III  III  III  III  III                                     |                                      | es and Algorithms   | _  |                                      |                           | 3 - 0 - 4                             | 5                    |               | 30             | 15                 | 20<br>20        | 35               | 100  |                   |
| 2 III  |                                      | and Computer Organization   |  | BSCCOSMN301                          | MNC-3                     | 3 - 0 - 4                             |                      |               |                | 15<br>15           |                 | 35<br>35         |  |                   |
| N IN   |                                      | nagement System   | MINOR  | BSCCOSMN401<br>BSCCOSMN501           | MNC-4<br>MNC-5            | 3 - 0 - 4<br>3 - 0 - 4                | 5                    | NA            | 30             | 15                 | 20<br>20        | 35               | 100  | NA                |
| E VI   | Operating Sys                        | stem and Shell Scripts NA   | -  | BSCCOSMINOUI                         | NA                        | 3-0-4                                 | 3                    |               | 30             | 13                 | NA              | 33               | 100  |                   |
| VII VII  | Computer Ne                          |   | -  | BSCCOSMN701                          | MNC-6                     | 3 - 0 - 4                             | 5                    |               | 30             | 15                 | 20              | 35               | 100  |                   |
| S VIII   |                                      | ligence and Machine Learning  | -  | BSCCOSMN801                          | MNC-7                     | 3 - 0 - 4                             | 5                    |               | 30             | 15                 | 20              | 35               | 100  |                   |
| V III  | Artifical files                      | ngence and watering Learning  | -  | BSCCOSIVITOOT                        | WINC-7                    | 3-0-4                                 |                      | ļ             | 30             | 13                 | 20              | 33               | 100  |                   |
| emester wise Pool  | of Multidis                          | ciplinary Courses offered by COMPUT   | ER SCIENCE for other 1   | Disciplines across the F             | Faculties                 |                                       |                      |               |                |                    |                 |                  |  |                   |
|  | T TVI GITTIGIS                       |   | The second secon | T -                                  |                           |                                       |                      | Sem           | CA             | Marks              | ESE             | Marks            |  |                   |
| Discipline   | Semester                             | Course Name   | Course Type  | Course Code                          | Course Details            | L - T - P                             | <b>Course Credit</b> | Credit        | Practical      | Theoretical        | Practical       | Theoretical      | Total Marks                                      | Sem Marks         |
|  | I                                    | Information and Communication Technology  | MD   | MDC117                               | MDC-1                     | 2 - 1 - 0                             | 3                    | NA            |                | 15                 |                 | 35               | 50   |                   |
| COMPUTER SCIENCE   | П                                    | Social Media and Cyber Awareness  | MD   | MDC209                               | MDC-2                     | 2 - 1 - 0                             | 3                    | NA            |                | 15                 |                 | 35               | 50   |                   |
|  | III                                  | Impact of Artificial Intelligence in Education  | MD   | MDC313                               | MDC-3                     | 2 - 1 - 0                             | 3                    | NA            |                | 15                 |                 | 35               | 50   |                   |
|  | 1                                    | <u> </u>  |  |                                      |                           | · · · · · · · · · · · · · · · · · · · | 1                    |               | l              |                    | 1               |                  |  |                   |
|  |                                      |   |  |                                      |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
|  |                                      |   |  |                                      |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
| ol of Communication C  | ourses offered                       | as Ability Enhancement Courses in Semester-I  |  |                                      |                           | T                                     |                      | 1             |                |                    | 1               |                  | <del>                                     </del> |                   |
| Discipline   | Semester                             | Course Name   | Course Type  | Course Code                          | Course Details            | L - T - P                             | Course Credit        | Sem           | CA             | Marks              | ESE             | Marks            | Total Marks                                      | Sem Marks         |
| 2 Serpine  | Semester                             | Source Finance  | Course Type  | Course Cour                          | Course Dealis             |                                       | _ saise create       | Credit        | Practical      | Theoretical        | Practical       | Theoretical      |  | Sem man Ris       |
|  |                                      | English Communication   |  | AECE101                              |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
| English/MIL  |                                      | Bengali Communication   |  | AECB101                              |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
| Communication  | I                                    | Hindi Communication   | AE   | AECH101                              | AEC-1                     | 4 - 0 - 0                             | 4                    | NA            |                | 15                 |                 | 35               | 50   | NA                |
| John Million   | 1                                    | Urdu Communication  | _  | AECU101                              |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
|  |                                      | Alternative English   |  | AECAE101                             |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
|  |                                      |   |  |                                      |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
| ool of Communication C   | ourses offered                       | as Ability Enhancement Courses in Semester-III  |  |                                      |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
|  |                                      |   |  |                                      |                           |                                       |                      | Sem           | CA             | Marks              | FSF             | Marks            |  |                   |
| Discipline   | Semester                             |   | Course Type  | Course Code                          | Course Details            | L - T - P                             | Course Credit        | Credit        |                |                    |                 |                  | Total Marks                                      | Sem Marks         |
|  |                                      | English Communication   |  | AECE301                              |                           |                                       |                      |               | Practical      | Theoretical        | Practical       | Theoretical      |  |                   |
|  |                                      | Bengali Communication   |  | AECB301                              |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
| MIL / English  | Ш                                    |   | AE   | AECH301                              | AEC-2                     | 4 - 0 - 0                             | 4                    | NA            |                | 15                 |                 | 35               | 50   | NA                |
| Communication  |                                      | Urdu Communication  | 1  | AECU301                              |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
|  |                                      | Alternative English   | 1  | AECAE301                             |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
|  |                                      | Students who opted English Communication in SE  | M-I (AECE101) have to opt for a  | ny course from MIL (Bengali/         | Hindi/Urdu/Alternative En | nglish) in SEM -III                   | and Students who     | opted MIL     | (Bengali/Hindi | Urdu/Alternative I | English) in SEN | M -I have to opt | English communica                                | ation (AECE301)in |
|  |                                      | SEM -III  |  |                                      |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
|  |                                      |   |  |                                      |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
| emester wise Pool of Mu  | ltidisciplinary                      | Courses offered for all Disciplines across the Facult   | ties   | ı                                    | 1                         | Т                                     | 1                    |               |                |                    | Pop             |                  |  |                   |
| Offered By Discipline  | Semester                             | Course Name   | Course Type  | Course Code                          | Course Details            | L - T - P                             | Course Credit        | Sem<br>Credit |                | Marks              | Practical       | Marks            | Total Marks                                      | Sem Marks         |
| veice  |                                      | Dhysical Caianas  |  | MDC101                               |                           |                                       |                      | Credit        | Practical      | Theoretical        | Practical       | Theoretical      | -  |                   |
| nysics<br>BA   | 1                                    | Physical Science E-Commerce   | $\dashv$   | MDC101<br>MDC102                     |                           |                                       |                      |               |                |                    | 1               |                  |  |                   |
| olitical Science   | 1                                    | Human Rights  | $\dashv$   | MDC102<br>MDC103                     | -                         |                                       |                      |               |                |                    |                 |                  |  |                   |
| eography   | 1                                    | Disaster Management   | ╡  | MDC103                               | =                         |                                       |                      |               |                |                    |                 |                  |  |                   |
|  | -1                                   | Fitness and Wellness  | 1  | MDC105                               |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
|  |                                      |   | i  |                                      |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
| ysical Education   | _                                    |   |  | MDC104                               | 1                         | l                                     |                      | İ             |                |                    | 1               | 1                |  |                   |
| ysical Education<br>ology  | <u> </u><br>                         | Application of Bio-Science  |  | MDC106                               |                           |                                       |                      |               |                |                    |                 |                  | 1  |                   |
| ysical Education<br>ology<br>glish   |                                      | Application of Bio-Science<br>Film Appreciation   |  | MDC107                               | _                         |                                       |                      |               |                |                    |                 |                  |  |                   |
| nysical Education<br>pology<br>nglish  | -<br>-<br>-                          | Application of Bio-Science Film Appreciation Accounting for All   |  |                                      |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
| nysical Education<br>poology<br>nglish<br>commerce                           |                                      | Application of Bio-Science Film Appreciation Accounting for All Exploring Early Medieval Bengal: C.7th  |  | MDC107                               |                           |                                       |                      |               |                |                    |                 |                  |  |                   |
| nysical Education<br>pology<br>nglish<br>ommerce                             |                                      | Application of Bio-Science Film Appreciation Accounting for All Exploring Early Medieval Bengal: C.7th  |  | MDC107<br>MDC108<br>MDC109           | -                         |                                       |                      |               |                |                    |                 |                  |  |                   |
| hysical Education oology nglish ommerce iistory engali                       | -<br>-<br>-<br>-<br>-<br>-           | Application of Bio-Science Film Appreciation Accounting for All Exploring Early Medieval Bengal: C.7th Century CE to 1206 CE Bangla Sahitya O Sanskriti | MD   | MDC107<br>MDC108<br>MDC109<br>MDC110 | MDC-1                     | 2 - 1 - 0                             | 3                    | NA            |                | 15                 |                 | 35               | 50   | NA                |
| hysical Education  coology inglish commerce  distory dengali iconomics lindi | -<br>-<br>-<br>-<br>-<br>-<br>-<br>- | Application of Bio-Science Film Appreciation Accounting for All Exploring Early Medieval Bengal: C.7th  | MD   | MDC107<br>MDC108<br>MDC109           | MDC-1                     | 2 - 1 - 0                             | 3                    | NA            |                | 15                 |                 | 35               | 50   | NA                |

| la e a Total  | 1        | ì   |   |                            |   | 7                     |           | i             | i             | i               | i                    |                  | ì                    |               |           |
|---|----------|-----|---|----------------------------|---|-----------------------|-----------|---------------|---------------|-----------------|----------------------|------------------|----------------------|---------------|-----------|
| Mathematics   |          |     | Business Mathematics  |                            | MDC113  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Sociology   |          |     | Indian Society  |                            | MDC114  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Philosophy  |          |     | Yoga for Daily Life   |                            | MDC115  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Electronics   |          |     | Electronic Measurements   |                            | MDC116  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Computer Science  |          |     | Information and Communication Technology  |                            | MDC117  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Botany  |          |     | Introduction to Local Flora   |                            | MDC118  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Computer Applications   |          |     | Information and Media Literacy  |                            | MDC119  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Commerce  |          |     | Microeconomics  |                            | MDC120  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Geology   |          |     | A B C D of Geology  |                            | MDC121  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Geology   |          |     | A B C D of Geology  |                            | WIDC121   |                       |           |               |               |                 |                      |                  |                      |               |           |
| Offered By Discipline   | Semester |     | Course Name   | Course Type                | Course Code   | Course Details        | L - T - P | Course Credit | Sem<br>Credit | CA<br>Practical | Marks<br>Theoretical | ESE<br>Practical | Marks<br>Theoretical | Total Marks   | Sem Marks |
| Mathematics   |          |     | Mathematical Science  |                            | MDC201  |                       |           |               | Crean         | Fractical       | Theoretical          | Fractical        | Theoretical          |               |           |
| BBA   |          |     | Business Environment  |                            | MDC202  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Statistics  |          |     | Basic Statistics  |                            | MDC203  | -                     |           |               |               |                 |                      |                  |                      |               |           |
|   |          |     | Understanding Medieval Bengal Select  |                            | WIDC203   | -                     |           |               |               |                 |                      |                  |                      |               |           |
| History   |          |     | Themes: 1206 CE-1727 CE   |                            | MDC204  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Commerce  |          |     |   |                            | MDCOOS  | 4                     | 2 -1 - 0  |               |               |                 | 15                   |                  | 35                   |               |           |
| Commerce  |          |     | Personal Finance  |                            | MDC205  | 4                     | ∠ -1 - 0  |               |               |                 | 13                   |                  | 33                   |               |           |
| Nutrition   |          |     | Nutrition and Public Health   |                            | MDC206  | 4                     |           |               |               |                 |                      |                  |                      |               |           |
| Education   |          |     | Educational Philosophy  |                            | MDC207  | 4                     |           |               |               |                 |                      |                  |                      |               |           |
| Psychology  |          |     | Stress Management   |                            | MDC208  | 4                     |           |               |               |                 |                      |                  |                      |               |           |
| Computer  |          |     | Social Media and Cyber Awareness  |                            | MDC209  | 1                     |           |               |               |                 |                      |                  |                      |               |           |
| Bengali   |          |     | Adhunik Bangla Sahitya  |                            | MDC210  | 1                     |           |               |               |                 |                      |                  |                      | <b>↓</b>      |           |
| Nazrul Sangeet  |          | One | Nazrul Sangeet  |                            | MDC211  | _                     | 0- 1- 4   | ]             |               | 30              |                      | 20               |                      | <u>1</u> ∣    |           |
| Electronics   | II       |     | E-Waste Management  | MD                         | MDC212  | MDC-2                 |           | 3             | NA            |                 |                      |                  |                      | 50            | NA        |
| Chemistry   |          | Any | Chemical Science  |                            | MDC213  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Sanskrit  |          |     | Critical Survey of Sanskrit Language  |                            | MDC214  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Urdu  |          |     | Asnaf- E -Adab  | MDC215<br>MDC216<br>MDC217 | MDC215  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Hindi   |          |     | Anuvad Vigyan   |                            | 1   |                       |           |               |               |                 |                      |                  |                      |               |           |
| Botany  |          |     | Herbal Home Remedies  |                            | MDC217  |                       | 2 -1 - 0  |               |               |                 |                      |                  |                      |               |           |
|   |          |     | Contemporary India: Women and   |                            |   |                       |           |               |               | 15 35           |                      |                  |                      |               |           |
| English   |          |     | Empowerment   |                            | MDC218  |                       |           |               |               |                 |                      |                  |                      |               |           |
|   |          |     |   |                            |   |                       |           |               |               |                 |                      |                  |                      |               |           |
| Political Science   |          |     | Women Empowerment in India: Issues and  |                            | MDC219  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Political Science   |          |     | Dimensions  |                            | MDC219  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Political Science Physical Education  |          |     |   |                            | MDC219<br>MDC220  |                       |           |               |               |                 |                      |                  |                      |               |           |
|   |          |     | Dimensions  |                            |   | <br> -<br>            |           |               |               |                 |                      |                  |                      |               |           |
| Physical Education  |          |     | Dimensions<br>Yoga-Vyayama  |                            | MDC220  | -                     |           |               |               |                 |                      |                  |                      |               |           |
| Physical Education<br>Commerce  |          |     | Dimensions Yoga-Vyayama Macroeconomics  |                            | MDC220<br>MDC221  |                       |           |               |               |                 |                      |                  |                      |               |           |
| Physical Education Commerce   | Semester |     | Dimensions Yoga-Vyayama Macroeconomics  | Course Type                | MDC220<br>MDC221  | Course Details        | L-T-P     | Course Credit | Sem           |                 | Marks                |                  | Marks                | Total Marks   | Sem Marks |
| Physical Education Commerce Geology   | Semester |     | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name  | Course Type                | MDC220<br>MDC221<br>MDC222  | Course Details        | L-T-P     | Course Credit | Sem<br>Credit | CA<br>Practical | Marks Theoretical    | ESE<br>Practical | Marks<br>Theoretical | Total Marks   | Sem Marks |
| Physical Education Commerce Geology   | Semester |     | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name Bharatavarsha - A Land of Rare Natural   | Course Type                | MDC220<br>MDC221<br>MDC222  | Course Details        | L-T-P     | Course Credit |               |                 |                      |                  |                      | Total Marks   | Sem Marks |
| Physical Education Commerce Geology Offered By Discipline   | Semester |     | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name Bharatavarsha - A Land of Rare Natural Endowments  | Course Type                | MDC220 MDC221 MDC222 Course Code  | Course Details        | L-T-P     | Course Credit |               |                 |                      |                  |                      | Total Marks   | Sem Marks |
| Physical Education Commerce Geology  Offered By Discipline  | Semester |     | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name  Bharatavarsha - A Land of Rare Natural Endowments The Vedangas and other Streams of Indian  | Course Type                | MDC220 MDC221 MDC222  Course Code  MDC301   | Course Details        | L-T-P     | Course Credit |               |                 |                      |                  |                      | Total Marks   | Sem Marks |
| Physical Education Commerce Geology  Offered By Discipline Geography Sanskrit   | Semester |     | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name  Bharatavarsha - A Land of Rare Natural Endowments The Vedangas and other Streams of Indian Knowledge System   | Course Type                | MDC220 MDC221 MDC222  Course Code MDC301 MDC302   | Course Details        | L-T-P     | Course Credit |               |                 |                      |                  |                      | - Total Marks | Sem Marks |
| Physical Education Commerce Geology  Offered By Discipline Geography Sanskrit Physics   | Semester |     | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name Bharatavarsha - A Land of Rare Natural Endowments The Vedangas and other Streams of Indian Knowledge System Indian Astronomy   | Course Type                | MDC220 MDC221 MDC222  Course Code MDC301 MDC302 MDC303  | Course Details        | L-T-P     | Course Credit |               |                 |                      |                  |                      | Total Marks   | Sem Marks |
| Physical Education Commerce Geology  Offered By Discipline Geography Sanskrit Physics Zoology   | Semester |     | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name  Bharatavarsha - A Land of Rare Natural Endowments The Vedangas and other Streams of Indian Knowledge System Indian Astronomy Indian Health Sciences   | Course Type                | MDC220 MDC221 MDC222  Course Code  MDC301  MDC302  MDC303 MDC304  | Course Details        | L-T-P     | Course Credit |               |                 |                      |                  |                      | - Total Marks | Sem Marks |
| Physical Education Commerce Geology  Offered By Discipline Geography Sanskrit Physics Zoology Mathematics   | Semester |     | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name  Bharatavarsha - A Land of Rare Natural Endowments The Vedangas and other Streams of Indian Knowledge System Indian Astronomy Indian Health Sciences Indian Mathematics  | Course Type                | MDC220 MDC221 MDC222  Course Code  MDC301  MDC302  MDC303  MDC304 MDC305  | Course Details        | L-T-P     | Course Credit |               |                 |                      |                  |                      | - Total Marks | Sem Marks |
| Physical Education Commerce Geology  Offered By Discipline Geography Sanskrit Physics Zoology   | Semester |     | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name  Bharatavarsha - A Land of Rare Natural Endowments The Vedangas and other Streams of Indian Knowledge System Indian Astronomy Indian Health Sciences   | Course Type                | MDC220 MDC221 MDC222  Course Code  MDC301  MDC302  MDC303 MDC304  | Course Details        | L-T-P     | Course Credit |               |                 |                      |                  |                      | Total Marks   | Sem Marks |
| Physical Education Commerce Geology  Offered By Discipline Geography Sanskrit Physics Zoology Mathematics   | Semester |     | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name  Bharatavarsha - A Land of Rare Natural Endowments The Vedangas and other Streams of Indian Knowledge System Indian Astronomy Indian Health Sciences Indian Mathematics  | Course Type                | MDC220 MDC221 MDC222  Course Code  MDC301  MDC302  MDC303  MDC304 MDC305  | Course Details        | L-T-P     | Course Credit |               |                 |                      |                  |                      | - Total Marks | Sem Marks |
| Physical Education Commerce Geology  Offered By Discipline Geography Sanskrit Physics Zoology Mathematics Education Political Sc                    | Semester | One | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name  Bharatavarsha - A Land of Rare Natural Endowments The Vedangas and other Streams of Indian Knowledge System Indian Astronomy Indian Health Sciences Indian Mathematics Indian Education   | Course Type  MD            | MDC220 MDC221 MDC222  Course Code  MDC301  MDC302  MDC303  MDC304  MDC305  MDC306                               | Course Details  MDC-3 | L-T-P     | Course Credit |               |                 |                      |                  |                      | Total Marks   | Sem Marks |
| Physical Education Commerce Geology  Offered By Discipline Geography Sanskrit Physics Zoology Mathematics Education                                 |          | 9   | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name  Bharatavarsha - A Land of Rare Natural Endowments The Vedangas and other Streams of Indian Knowledge System Indian Astronomy Indian Health Sciences Indian Mathematics Indian Education Indian Polity and Economy   |                            | MDC220 MDC221 MDC221 MDC222  Course Code  MDC301 MDC302 MDC303 MDC304 MDC305 MDC306 MDC307                      |                       |           |               | Credit        |                 | Theoretical          |                  | Theoretical          |               |           |
| Physical Education Commerce Geology  Offered By Discipline Geography Sanskrit Physics Zoology Mathematics Education Political Sc Philosophy         |          | One | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name  Bharatavarsha - A Land of Rare Natural Endowments The Vedangas and other Streams of Indian Knowledge System Indian Astronomy Indian Health Sciences Indian Mathematics Indian Education Indian Polity and Economy  Methodology of Indian Knowledge System                         |                            | MDC220 MDC221 MDC222  Course Code  MDC301  MDC302  MDC303  MDC304  MDC305  MDC306  MDC307  MDC308               |                       |           |               | Credit        |                 | Theoretical          |                  | Theoretical          |               |           |
| Physical Education Commerce Geology  Offered By Discipline Geography Sanskrit Physics Zoology Mathematics Education Political Sc Philosophy Geology |          | One | Dimensions Yoga-Vyayama Macroeconomics The Past Life on Earth  Course Name  Bharatavarsha - A Land of Rare Natural Endowments The Vedangas and other Streams of Indian Knowledge System Indian Astronomy Indian Health Sciences Indian Mathematics Indian Education Indian Polity and Economy  Methodology of Indian Knowledge System  Remote Sensing and GIS |                            | MDC220 MDC221 MDC221 MDC222  Course Code  MDC301 MDC302 MDC303 MDC304 MDC305 MDC306 MDC306 MDC307 MDC308 MDC309 |                       |           |               | Credit        |                 | Theoretical          |                  | Theoretical          |               |           |

| Commerce  |  | Indian Economy                                 |  | MDC312 |  |  |  |  |  |  |  |  |
|---|--|--|--|--------|--|--|--|--|--|--|--|--|
| Computer Science  |  | Impact of Artificial Intelligence in Education |  | MDC313 |  |  |  |  |  |  |  |  |
| Physiology  |  | Community Health Care                          |  | MDC314 |  |  |  |  |  |  |  |  |
| Pool of Value Added Courses offered in Semester-IV for all Disciplines across all Faculties |  |  |  |        |  |  |  |  |  |  |  |  |

| Pool of Value Added Cour | rses offered in S | Semester | r-IV for all Disciplines across all Faculties     |             |             |                |           |               |        |           |             |           |             |             |              |
|--------------------------|-------------------|----------|---|-------------|-------------|----------------|-----------|---------------|--------|-----------|-------------|-----------|-------------|-------------|--------------|
| Offered By Discipline    | Semester          |          | Course Name                                       | Course Type | Course Code | Course Details | L - T - P | Course Credit | Sem    | CA Marks  |             | ESE Marks |             | Total Marks | Som Marks    |
| Officied by Discipline   | Scincster         |          | Course Name                                       | Course Type | Course Coue | Course Details | L-1-1     | Course Creuit | Credit | Practical | Theoretical | Practical | Theoretical | Total Walks | Sciii Wai Ks |
| Physiology               |                   |          | Yoga and Health                                   |             | VAC401      |                |           |               |        |           |             |           |             |             |              |
| Philosophy               |                   |          | Social Values and Ethics                          |             | VAC402      |                |           |               |        |           |             |           |             |             |              |
| Computer Science         |                   | One      | Digital and Technological Solutions               |             | VAC403      | VAC-2          |           |               |        |           |             |           |             |             |              |
| History                  | IV                |          | Understanding India                               | VA          | VAC404      |                | 4 - 0 - 0 |               | NA     |           | 15          |           | 35          | 50          | NA           |
| Economics                | 14                |          | Sustainable Development: Issues and<br>Challenges | , va        | VAC405      | VAC-2          |           |               | IVA    |           |             |           |             | 30          | NA.          |