

## BACHELOR OF COMMERCE (COMPUTER APPLICATION) ( BCCA)

**Eligibility:** For BCCA Semester-I, Examinee shall have passed 12<sup>th</sup> Standard Examination of the M.S. Board of Secondary and Higher Secondary Education, with English at Higher or Lower Level and any modern Indian language at higher or lower level with any combination of optional subjects; **OR-12th** Standard Examination of the M.S. Board of Secondary and Higher Secondary Education in Vocational Stream with one language only; **OR-** Any other examination recognized as equivalent thereto; in such subjects and with such standards of attainments as may be prescribed for Minimum Competency Vocational Course (MCVC).

**OR** - any other equivalent examination of any state in (10+2) pattern with any combination of subjects.

**Duration:** Three- Year Degree Programme (6 Semesters – 2 Semesters per year)

### BCCA (SEMESTER I)

| Sr. No.          | Course Types | Course / Subject Name                                                 | Course Code | Teaching Scheme        | Examination Scheme |                |             |                    |             |           |
|------------------|--------------|-----------------------------------------------------------------------|-------------|------------------------|--------------------|----------------|-------------|--------------------|-------------|-----------|
|                  |              |                                                                       |             | Total Periods Per Week | Max Marks (TH)*    | Max Marks (IM) | Total Marks | Min. Passing Marks | Total Marks | Credits   |
| 1                | 1AE1         | English & Business Communication - I                                  | 1T1         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| 2                | 1CC2         | MS Office (IT)                                                        | 1T2         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| 3                | 1CC3         | Fundamentals of Computer                                              | 1T3         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| 4                | 1GE4         | Professional Ethics & Human Values<br><b>OR</b><br>Personal Wellbeing | 1T4         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| <b>Practical</b> |              |                                                                       |             |                        |                    |                |             |                    |             |           |
| 5                | 1CC5         | Tally - I (ERP 9)                                                     | 1P5         | 9                      | 100                | 20             | 100         | 40                 | 100         | 4         |
|                  |              | <b>Total</b>                                                          |             | <b>29</b>              | <b>420</b>         | <b>100</b>     | <b>500</b>  | <b>200</b>         | <b>500</b>  | <b>20</b> |

"Subject to change as per RTMNU notification"



**BCCA (SEMESTER II)**

| Sr. No.          | Course Types | Course / Subject Name                 | Course Code | Teaching Scheme        | Examination Scheme |                |             |                    |             |           |
|------------------|--------------|---------------------------------------|-------------|------------------------|--------------------|----------------|-------------|--------------------|-------------|-----------|
|                  |              |                                       |             | Total Periods Per Week | Max Marks (TH)*    | Max Marks (IM) | Total Marks | Min. Passing Marks | Total Marks | Credits   |
| 1                | 2AE1         | English & Business Communication - II | 2T1         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| 2                | 2CC2         | Principles of Business Management     | 2T2         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| 3                | 2CC3         | Data Base Management System           | 2T3         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| 4                | 2SE4         | E- Commerce & Web Designing           | 2T4         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| <b>Practical</b> |              |                                       |             |                        |                    |                |             |                    |             |           |
| 5                | 2CC5         | Tally - II (ERP 9)                    | 2P5         | 9                      | 100                | -              | 100         | 40                 | 100         | 4         |
|                  |              | <b>Total</b>                          |             | <b>29</b>              | <b>420</b>         | <b>80</b>      | <b>500</b>  | <b>200</b>         | <b>500</b>  | <b>20</b> |

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**BCCA (SEMESTER III)**

| Sr. No.          | Course Types | Course / Subject Name                                                   | Course Code | Teaching Scheme        | Examination Scheme |                |             |                    |             |           |
|------------------|--------------|-------------------------------------------------------------------------|-------------|------------------------|--------------------|----------------|-------------|--------------------|-------------|-----------|
|                  |              |                                                                         |             | Total Periods Per Week | Max Marks (TH)*    | Max Marks (IM) | Total Marks | Min. Passing Marks | Total Marks | Credits   |
| 1                | 3AE1         | Environmental Studies & Community Engagement                            | 3T1         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| 2                | 3CC2         | Business Studies                                                        | 3T2         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| 3                | 3AE3         | CSS & Java Script                                                       | 3T3         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| 4                | 3GE4         | Ethical Hacking<br>OR Computer Network<br>OR Content Writing & Analysis | 3T4         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| <b>Practical</b> |              |                                                                         |             |                        |                    |                |             |                    |             |           |
| 5                | 3CC5         | CSS & Java Script & Statistical Technique Using Excel                   | 3P5         | 9                      | 100                | -              | 100         | 40                 | 100         | 4         |
|                  |              | <b>Total</b>                                                            |             | <b>29</b>              | <b>420</b>         | <b>80</b>      | <b>500</b>  | <b>200</b>         | <b>500</b>  | <b>20</b> |

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**BCCA (SEMESTER IV)**

| Sr. No.          | Course Types | Course / Subject Name                                              | Course Code | Teaching Scheme        | Examination Scheme |                |             |                    |             |           |
|------------------|--------------|--------------------------------------------------------------------|-------------|------------------------|--------------------|----------------|-------------|--------------------|-------------|-----------|
|                  |              |                                                                    |             | Total Periods Per Week | Max Marks (TH)*    | Max Marks (IM) | Total Marks | Min. Passing Marks | Total Marks | Credits   |
| 1                | 4CC1         | Business Economics                                                 | 4T1         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| 2                | 4GE2         | Business Law & Cyber Security<br><b>OR</b><br>Research Methodology | 4T2         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| 3                | 4DSE3        | Cloud Computing<br><b>OR</b> AI & ML<br><b>OR</b> MIS              | 4T3         | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| 4                | 4SE4         | PHP & My SQL                                                       | 4T4-A       | 5                      | 80                 | 20             | 100         | 40                 | 100         | 4         |
| <b>Practical</b> |              |                                                                    |             |                        |                    |                |             |                    |             |           |
| 5                | 4CC5         | PHP & My SQL                                                       | 4T5-A       | 9                      | 100                | -              | 100         | 40                 | 100         | 4         |
|                  |              | <b>Total</b>                                                       |             | <b>29</b>              | <b>420</b>         | <b>80</b>      | <b>500</b>  | <b>200</b>         | <b>500</b>  | <b>20</b> |

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**BCCA (SEMESTER V)**

| Sr. No | Subjects                                                                              | Theory                       |                                |            |                               | Practical                 |                    |            | Credits   |
|--------|---------------------------------------------------------------------------------------|------------------------------|--------------------------------|------------|-------------------------------|---------------------------|--------------------|------------|-----------|
|        |                                                                                       | Max. Marks Theory Paper (TH) | Max. Marks-Internal Assessment | Total      | Min. Passing Marks (Combined) | Max. Marks-Practical (PR) | Min. Passing Marks | Total      |           |
| 1.     | Computerized Accounting Using Tally                                                   | 80                           | 20                             | 100        | 40                            | -                         | -                  | 100        | 4         |
| 2.     | VB. Net                                                                               | 80                           | 20                             | 100        | 40                            | -                         | -                  | 100        | 4         |
| 3.     | <b>SEC-1:</b><br>(i) Management Information System<br>(ii) System Analysis and Design | 80                           | 20                             | 100        | 40                            | -                         | -                  | 100        | 4         |
| 4.     | <b>DSE-1</b><br>(i) Cost & Management Accounting<br>(ii) Corporate Accounting         | 80                           | 20                             | 100        | 40                            | -                         | -                  | 100        | 4         |
| 5.     | <b>Practicals Component-I :</b><br>Tally<br><b>Component-II :</b><br>VB. Net          | -                            | -                              | -          | -                             | 100                       | 40                 | 100        | 4         |
|        | <b>Total</b>                                                                          | <b>320</b>                   | <b>80</b>                      | <b>400</b> | <b>160</b>                    | <b>100</b>                | <b>40</b>          | <b>500</b> | <b>20</b> |

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**BCCA (SEMESTER VI)**

| Sr. No       | Subjects                                                                                | Theory                       |                                 |            | Practical                  |                    |           | Credits   |
|--------------|-----------------------------------------------------------------------------------------|------------------------------|---------------------------------|------------|----------------------------|--------------------|-----------|-----------|
|              |                                                                                         | Max. Marks Theory Paper (TH) | Max. Marks- Internal Assessment | Total      | Max. Marks- Practical (PR) | Min. Passing Marks | Total     |           |
| 1.           | C#. Net                                                                                 | 80                           | 20                              | 100        | 40                         | -                  | -         | 4         |
| 2.           | SEC-II :<br>(i) Python<br>(i) Ruby on Rail                                              | 80                           | 20                              | 100        | 40                         | -                  | -         | 4         |
| 3.           | DES-II :<br>(i) Entrepreneurship Development<br>(ii) Company Law & Secretarial Practice | 80                           | 20                              | 100        | 40                         | -                  | -         | 4         |
| 4.           | Practicals<br>Component-I :<br>C#NET<br>Component-II :<br>SEC-II                        |                              |                                 |            | 100                        | 40                 | 100       | 4         |
| 5            | Project                                                                                 | --                           | --                              | --         | --                         | 100                | 40        | 4         |
| <b>Total</b> |                                                                                         | <b>320</b>                   | <b>80</b>                       | <b>400</b> | <b>160</b>                 | <b>100</b>         | <b>40</b> | <b>20</b> |

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**Promotion to Higher Semester (A.T.K.T.):**

The unsuccessful candidate of any semester examination shall be ALLOWED TO KEEP THE TERM (ATKT) in accordance with the following table : (Theory and internal assessment of that theory subject shall be jointly considered as single passing head).

**ATKT RULES for B.Com.(Computer Application) (BCCA)**

| Admission to academic Year 1 | Candidate should have passed All courses of the following Examination | Candidate should have filed the examination form & appeared for the following Examination | Candidate should have passed in minimum 50% courses of the following Examination |
|------------------------------|-----------------------------------------------------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|
| 1st Semester                 | H.S.S.C. / Equivalent                                                 | -----                                                                                     | -----                                                                            |
| 2nd Semester                 | ----                                                                  | 1st Semester                                                                              | ----                                                                             |
| 3rd Semester                 | ----                                                                  | 2nd Semester                                                                              | 50% courses of 1st & 2nd Semesters taken together                                |
| 4th Semester                 | ----                                                                  | 3rd Semester                                                                              | As Above                                                                         |
| 5th Semester                 | 1st and 2nd Semesters                                                 | 4th Semester                                                                              | 50% courses of 3rd & 4th Semesters taken together                                |
| 6th Semester                 | As Above                                                              | 5th Semester                                                                              | As Above                                                                         |

Note : (\*) A candidate admitted to Final Semester can appear for Final Semester examination however the result of the Final Semester examination will be withheld unless the candidate clears all the lower examinations of the BCCA Course.

