

Department of ARABIC St. Ann's College for Women, Mehdipatnam, Hyderabad  
(Autonomous), Osmania University  
NAAC Reaccredited with 'A' Grade, College with Potential for Excellence by UGC

LANGUAGES-ARABIC

Evaluation Pattern: Semester I

i. Internal: CIE (Continuous Internal Evaluation)

| Formal Written tests              | Duration         | Max Marks | Units    | Number of questions with marks allotted |                |                          | Total |
|-----------------------------------|------------------|-----------|----------|---|----------------|--------------------------|-------|
|                                   |                  |           |          | Long answer                             | Short answer   | Multiple choice (if any) |       |
| Test1<br>[centralised]            | 60 mints         | 20        | I & II   | 2Q*5M<br>1Q*6M                          | 2Q*2M          |                          | 20    |
| Test2<br>[centralised]            | 60 mints         | 20        | III & IV | 2Q*5M<br>1Q*6M                          | 2Q*2M          |                          | 20    |
| Time allocation                   | 60 mints         |           |          | 40m<br>(2Q*20m)                         | 12m<br>(2Q*6m) | 8m                       |       |
| Test 3<br>[By the course teacher] | Mention the mode | 10        | Unit I   | سورة التين Project                      |                |                          | 10    |

CONSOLIDATED CIE EVALUATION

| Component      | Test -1  | Test -2  | Test-3           | Total Marks |
|----------------|----------|----------|------------------|-------------|
| Maximum Marks  | 20 Marks | 20 Marks | Project 10 Marks | 50 Marks    |
| Scaled down to | 10 Marks |          | 5 Marks          | 15 Marks    |

|  |       |                |           |    |    |    |    |
|--|-------|----------------|-----------|----|----|----|----|
| <b>B-Institutional Food Service Management</b>                                     | DSE6B | T - 4<br>P - 3 | 4<br>1    | 15 | 35 | 14 | 20 |
| Core Course  | DSE   | T - 4          | 4         | 15 | 35 | 14 | 20 |
| Optional 2   |       | P - 3          | 1         |    |    |    |    |
| Core Course  | DSE   | T - 4          | 4         | 15 | 35 | 14 | 20 |
| Optional 3   |       | P - 3          | 1         |    |    |    |    |
| <b>Project/online<br/>course/internship/<br/>core paper<br/>Clinical Nutrition</b> |       | 4              | 4         | 30 | 70 | 28 | 40 |
| <b>Total</b>   |       | <b>31</b>      | <b>25</b> |    |    |    |    |



**V. Program matrix**

**Revised Course Structure-U.G. CBCS (Effective from R21 Batch Onwards)**

|                               | SEM-1                               | SEM-2                               | SEM-3  | SEM-4  | SEM-5                                    | SEM-6                                    | Credits                  |
|-------------------------------|-------------------------------------|-------------------------------------|--|--|--|--|--------------------------|
| English Language Skill Course | English                             | English                             | English  | English  | English                                  | English                                  | 4+4+3+3+3+3=20           |
| Second Language Skill Course  | II Lang                             | II Lang                             | II Lang  | II Lang  | II Lang                                  | II Lang                                  | 4+4+3+3+3+3=20           |
| Core Courses                  | Optional-1: DSC-1                   | Optional-1: DSC-2                   | Optional-1: DSC-3  | Optional-1: DSC-4  | Optional-1: DSE-1                        | Optional-1: DSE-2                        | 5+5+5+5+5+5=30           |
| Core Courses                  | Optional-2: DSC-1                   | Optional-2: DSC-2                   | Optional-2: DSC-3  | Optional-2: DSC-4  | Optional-2: DSE-1                        | Optional-2: DSE-2                        | 5+5+5+5+5+5=30           |
| Core Courses                  | Optional-3: DSC-1                   | Optional-3: DSC-2                   | Optional-3: DSC-3  | Optional-3: DSC-4  | Optional-3: DSE-1                        | Optional-3: DSE-2                        | 5+5+5+5+5+5=30           |
| Foundation Courses            | AECC-1<br>Environment Science       | AECC-2<br>Gender studies            | ----   | ----   | ----                                     | AECC-3<br>Capacity building*             | 2+2=4                    |
| Enhancement Courses           | ----                                | ----                                | SEC-1<br>Communication/<br>Professional skills<br>SEC-2<br>Dept Specific-COC | SEC-3<br>Leadership &<br>Management Skill /<br>Universal Human Values<br>SEC-4<br>Dept Specific-COC/<br>OnlineCourse | ----                                     | ----                                     | 2+2+2+2=8                |
| Elective Course               | ----                                | ----                                | ----   | ----   | GE-IDC                                   | ----                                     | 4                        |
|                               | ----                                | ----                                | ----   | ----   | ----                                     | Project/<br>OnlineCourse                 | 4                        |
| Dr. Ann's                     | SOC (Mandatory)/<br>CCA (Mandatory) | SOC (Mandatory)/<br>CCA (Mandatory) | ALP/<br>Online Course<br>(Not Mandatory)                                     | ALP/<br>Online Course<br>(Not Mandatory)   | ALP/<br>Online Course<br>(Not Mandatory) | ALP/<br>Online Course<br>(Not Mandatory) | 4 + 8                    |
|                               |                                     |                                     |  |  |  |  | <b>Total 150 + 4 + 8</b> |

*Syloz*

Head of the Department  
 Department of Biochemistry  
 St. Ann's College for Women



| Sl | Generic Code | Course code      | Course Title  | PPW | Credit | CIA | ESE | Passing minimum in |          |
|----|--------------|------------------|---|-----|--------|-----|-----|--------------------|----------|
|    |              |                  |   |     |        |     |     | ESE                | Aggregat |
|    | DSC1         | BIT101           | Cell biology and Genetics   | 4   | 4      | 30  | 70  | 28                 | 40       |
|    | DSC1-Pr      | BIT 111          | Cell biology and Genetics   | 3   | 1      | 15  | 35  | 14                 | 20       |
|    | AECC -1      | AECC101          | Environmental Science   | 2   | 2      | 15  | 35  | 14                 | 20       |
|    | DSC2         | BIT202           | Biological chemistry and Microbiology                                   | 4   | 4      | 30  | 70  | 28                 | 40       |
|    | DSC2-Pr      | BIT212           | Biological chemistry and Microbiology                                   | 3   | 1      | 15  | 35  | 14                 | 20       |
|    | AECC - 2     | AECC             | Gender Studies  | 2   | 2      | 15  | 35  | 14                 | 20       |
| I  | DSC3         | BIT303           | Molecular Biology and r DNA technology                                  | 4   | 4      | 30  | 70  | 28                 | 40       |
|    | DSC3-Pr      | BIT313           | Molecular Biology and r DNA technology                                  | 3   | 1      | 15  | 35  | 14                 | 20       |
|    | SEC1         | SEC301           | Institutional - Communication/ Professional Skills                      | 2   | 2      | 15  | 35  | 14                 | 20       |
|    | SEC2         | SEC302           | Dept. - Immunological techniques  | 2   | 2      | 15  | 35  | 14                 | 20       |
| V  | DSC4         | BIT404           | BioinformaticsandBiostatistics  | 4   | 4      | 30  | 70  | 28                 | 40       |
|    | DSC4-Pr      | BIT414           | BioinformaticsandBiostatistics  | 3   | 1      | 15  | 35  | 14                 | 20       |
|    | SEC3         | SEC403           | Institutional - Leadership and management skills/Human Values           | 2   | 2      | 15  | 35  | 14                 | 20       |
|    | SEC4         | SEC404           | Dept. - Molecular markers in Plant Breeding                             | 2   | 2      | 15  | 35  | 14                 | 20       |
| V  | DSE5A        | BIT505A          | Immumology  | 4   | 4      | 30  | 70  | 28                 | 40       |
|    | DSE5A-Pr     | BIT515A          | Immumology  | 3   | 1      | 15  | 35  | 14                 | 20       |
|    | DSE5B        | BIT505B          | Plant Biotechnology   | 4   | 4      | 30  | 70  | 28                 | 40       |
|    | DSE5B-Pr     | BIT515B          | Plant Biotechnology   | 3   | 1      | 15  | 35  | 14                 | 20       |
|    | DSE5C        | BIT505C          | Medical Biotechnology   | 4   | 4      | 30  | 70  | 28                 | 40       |
|    | DSE5C-Pr     | BIT515C          | Medical Biotechnology   | 3   | 1      | 15  | 35  | 14                 | 20       |
|    | GE1          | IDC501A/<br>501B | Basics in Biotechnology<br>Plant Tissue Culture                         | 4   | 4      | 30  | 70  | 28                 | 40       |
| VI | DSE6A        | BIT606A          | Animal Biotechnology  | 4   | 4      | 30  | 70  | 28                 | 40       |
|    | DSE6A-Pr     | BIT616A          | Animal Biotechnology  | 3   | 1      | 15  | 35  | 14                 | 20       |
|    | DSE6B        | BIT606B          | Environmental Biotechnology   | 4   | 4      | 30  | 70  | 28                 | 40       |
|    | DSE6B-Pr     | BIT616B          | Environmental Biotechnology   | 3   | 1      | 15  | 35  | 14                 | 20       |
|    | DSE6C        | BIT606C          | Bioanalytical Techniques  | 4   | 4      | 30  | 70  | 28                 | 40       |
|    | DSE6C-Pr     | BIT616C          | Bioanalytical Techniques  | 3   | 1      | 15  | 35  | 14                 | 20       |
|    | AECC -3*     | AECC03           | Institutional   | 2   | 2      | 15  | 35  | 14                 | 20       |
|    | PR1/DSC7     | BIT607           | Project/Core paper - IPR, Biosafety and Entrepreneurship /online course | 4   | 4      | 15  | 35  | 14                 | 20       |



Department of Botany

St. Ann's College For Women (Autonomous), Accredited 'A+' Grade by NAAC (3rd Cycle), College with Potential for Excellence by UGC Mehdipatnam, Hyderabad - 500028

5. Programme matrix

| Course Structure Details- B.Sc.    |             |        |         |        |         |         |         |        |         |        |         |        |         |               |
|------------------------------------|-------------|--------|---------|--------|---------|---------|---------|--------|---------|--------|---------|--------|---------|---------------|
| Category                           | Courses     | SEM I  |         | SEM II |         | SEM III |         | SEM IV |         | SEM V  |         | SEM V  |         | Total Credits |
|                                    |             | Period | Credits | Period | Credits | Period  | Credits | Period | Credits | Period | Credits | Period | Credits |               |
| LSC                                | English     | 4      | 4       | 4      | 4       | 3       | 3       | 3      | 3       | 3      | 3       | 3      | 3       | 20            |
|                                    | II Language | 4      | 4       | 4      | 4       | 3       | 3       | 3      | 3       | 3      | 3       | 3      | 3       | 20            |
| DSC                                | Optional-1  | 4+3    | 4+1     | 4+3    | 4+1     | 4+3     | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 30            |
|                                    | Optional-2  | 4+3    | 4+1     | 4+3    | 4+1     | 4+3     | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 30            |
|                                    | Optional-3  | 4+3    | 4+1     | 4+3    | 4+1     | 4+3     | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 30            |
| AECC                               |             | 2      | 2       | 2      | 2       |         |         |        |         |        |         | 2*     | 2*      | 4             |
| SEC                                |             |        |         |        |         | 4       | 4       | 4      | 4       |        |         |        |         | 8             |
|                                    | SOC and CCA | 2+2    | -       | 2+2    | 2+2*    |         |         |        |         |        |         |        |         | 4*            |
| GE                                 | IDC         |        |         |        |         |         |         |        |         | 4      | 4       |        |         | 4             |
| Project/core paper/Online Course   |             |        |         |        |         |         |         |        |         |        |         | 4      | 4       | 4             |
| <b>Total P/Credits</b>             |             | 35     | 25      | 35     | 25      | 31      | 25      | 31     | 25      | 31     | 25      | 33     | 25      | 150           |
| <b>Extra Credits In curriculum</b> | *NCGPA      |        |         |        | 2+2     |         |         |        |         |        | 2       |        |         | 6-8           |

Summary of Credits - Overall Programme – B.Sc.

| S.No. | Course Category                       | No. of Courses | Credits Per Course | Credits |
|-------|---------------------------------------|----------------|--------------------|---------|
| 1     | English Language                      | 6              | 4 and 3            | 20      |
| 2     | Second Language                       | 6              | 4 and 3            | 20      |
| 3     | AECC                                  | 2+1*           | 2*                 | 4       |
| 4     | SEC                                   | 4              | 2                  | 8       |
| 5     | GE                                    | 1              | 4                  | 4       |
| 6     | DSC                                   | 12             | 5                  | 60      |
| 7     | DSE                                   | 6              | 5                  | 30      |
| 8     | Project/Online course/core paper      | 1              | 4                  | 4       |
|       | <b>Total Credits</b>                  |                |                    | 150     |
| 9     | SOC                                   | 1(2SEM)        | 2*                 |         |
| 10    | CCA                                   | 1(2 SEM)       | 2*                 |         |
|       | CCA- NCC,NSS(additional2 credits)     | 3Y/2Y          | 2*                 |         |
| 11    | ALP- NON -MANDATORY                   | 1              | 4                  |         |
|       | <b>*Credits under NCGPA-MANDATORY</b> |                |                    | 6-8     |



**St. Ann's College For Women**  
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**Accredited 'A+' Grade by NAAC (3rd Cycle), College with Potential for**  
**Excellence by UGC**  
**Mehdipatnam, Hyderabad -500 028**

**Over all Course Structure Details-B.Sc.**

BSc  
 BZC,MCZ,MCB,GCM,NCZ,N  
 CB,BBC

| Category                    | Courses     | SEM I  |         | SEM II |         | SEM III |         | SEM IV |         | SEM V  |         | SEM VI |         | Total Credits |
|-----------------------------|-------------|--------|---------|--------|---------|---------|---------|--------|---------|--------|---------|--------|---------|---------------|
|                             |             | Period | Credits | Period | Credits | Period  | Credits | Period | Credits | Period | Credits | Period | Credits |               |
| LSC                         | English     | 4      | 4       | 4      | 4       | 3       | 3       | 3      | 3       | 3      | 3       | 3      | 3       | 20            |
|                             | II Language | 4      | 4       | 4      | 4       | 3       | 3       | 3      | 3       | 3      | 3       | 3      | 3       | 20            |
| DSC                         | Optional-1  | 4+3    | 4+1     | 4+3    | 4+1     | 4+3     | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 30            |
|                             | Optional-2  | 4+3    | 4+1     | 4+3    | 4+1     | 4+3     | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 30            |
|                             | Optional-3  | 4+3    | 4+1     | 4+3    | 4+1     | 4+3     | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 30            |
| AECC                        |             | 2      | 2       | 2      | 2       |         |         |        |         | 2*     | 2*      |        |         | 4             |
| SEC                         |             |        |         |        |         | 4       | 4       | 4      | 4       |        |         |        |         | 8             |
|                             | SOC and CCA | 2+2    | -       | 2+2    | 2+2*    |         |         |        |         |        |         |        |         | 4*            |
| GE                          | GE          |        |         |        |         |         |         |        |         | 4      | 4       |        |         | 4             |
| Project/Online Course       |             |        |         |        |         |         |         |        |         |        |         | 4      | 4       | 4             |
| Total Credits               |             | 35     | 25      | 35     | 25      | 31      | 25      | 31     | 25      | 33     | 25      | 31     | 25      | 150           |
| Extra Credits in curriculum | *NCGP A     |        |         |        | 2+2     |         |         |        |         |        | 2       |        |         | 6-8           |



**Department of Microbiology**  
**St. Ann's College for Women**  
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**Mehdipatnam, Hyderabad.**



**V. Program Matrix**

**BSC MICROBIOLOGY**

**Revised Course Structure-U.G. CBCS (Effective from R21 Batch Onwards)**

| Category                      | SEM-1                                | SEM-2                               | SEM-3   | SEM-4  | SEM-5                                    | SEM-6                                    | Credits                  |
|-------------------------------|--------------------------------------|-------------------------------------|---|--|--|--|--------------------------|
| English Language Skill Course | English                              | English                             | English   | English  | English                                  | English                                  | 4+4+3+3+3+3=20           |
| Second Language Skill Course  | II Lang                              | II Lang                             | II Lang   | II Lang  | II Lang                                  | II Lang                                  | 4+4+3+3+3+3=20           |
| Core Courses                  | Optional-1: DSC-1                    | Optional-1: DSC-2                   | Optional-1: DSC-3                                     | Optional-1: DSC-4  | Optional-1: DSE-1                        | Optional-1: DSE-2                        | 5+5+5+5+5+5=30           |
| Core Courses                  | Optional-2: DSC-1                    | Optional-2: DSC-2                   | Optional-2: DSC-3                                     | Optional-2: DSC-4  | Optional-2: DSE-1                        | Optional-2: DSE-2                        | 5+5+5+5+5+5=30           |
| Core Courses                  | Optional-3: DSC-1                    | Optional-3: DSC-2                   | Optional-3: DSC-3                                     | Optional-3: DSC-4  | Optional-3: DSE-1                        | Optional-3: DSE-2                        | 5+5+5+5+5+5=30           |
| Foundation Courses            | <b>AECC-1</b><br>Environment Science | <b>AECC-2</b><br>Gender studies     | ---   | ---  | ---                                      | <b>AECC-3</b><br>Capacity building*      | 2+2=4                    |
| Skill Enhancement Courses     | ---                                  | ---                                 | <b>SEC-1</b><br>Communication/<br>Professional skills | <b>SEC-3</b><br>Leadership &<br>Management Skill /<br>Universal Human Values | ---                                      | ---                                      | 2+2+2+2=8                |
|                               | ---                                  | ---                                 | <b>SEC-2</b><br>Dept Specific-COC                     | <b>SEC-4</b><br>Dept Specific-COC/<br>OnlineCourse                           | ---                                      | ---                                      |                          |
| Generic Elective Course       | ---                                  | ---                                 | ---   | ---  | <b>GE-IDC</b>                            | ---                                      | 4                        |
|                               | ---                                  | ---                                 | ---   | ---  | ---                                      | Project/<br>OnlineCourse                 | 4                        |
| CCPA-St Ann's                 | SOC (Mandatory)/<br>CCA (Mandatory)  | SOC (Mandatory)/<br>CCA (Mandatory) | ALP/<br>Online Course<br>(Not Mandatory)              | ALP/<br>Online Course<br>(Not Mandatory)                                     | ALP/<br>Online Course<br>(Not Mandatory) | ALP/<br>Online Course<br>(Not Mandatory) | 4+8                      |
|                               |                                      |                                     |   |  |  |  | <b>Total 150 + 4 + 8</b> |



Department of Zoology St. Ann's College for Women(Autonomous),  
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|   |     |       |    |
|---|-----|-------|----|
| Optional 1  |     | P - 3 | 1  |
| Core Course                                       | DSE | T - 4 | 4  |
| Optional 2  |     | P - 3 | 1  |
| Core Course                                       | DSE | T - 4 | 4  |
| Optional 3  |     | P - 3 | 1  |
| Project/online<br>course/internship/core<br>paper |     | 4     | 4  |
| Total   |     | 31    | 25 |



COURSE DETAILS: DEPARTMENT OF CHEMISTRY (R 21)

| Semester  | Generic code | Course code                      | Course Title   | PPW | Credit | CIA | ESE | Passing Minimum In |           |
|-----------|--------------|----------------------------------|--|-----|--------|-----|-----|--------------------|-----------|
|           |              |                                  |  |     |        |     |     | ESE                | Aggregate |
| I         | DSC1         | CHE101                           | CHEMISTRY - I  | 4   | 4      | 30  | 70  | 28                 | 40        |
|           | DSC1-Pr      | CHE111                           | Qualitative Analysis-Semi Microanalysis of mixtures                | 3   | 1      | 15  | 35  | 14                 | 20        |
| II        | DSC2         | CHE202                           | CHEMISTRY- II  | 4   | 4      | 30  | 70  | 28                 | 40        |
|           | DSC2-Pr      | CHE212                           | Quantitative analysis - Volumetric analysis                        | 3   | 1      | 15  | 35  | 14                 | 20        |
| III       | DSC3         | CHE303                           | CHEMISTRY- III   | 4   | 4      | 30  | 70  | 28                 | 40        |
|           | DSC3-Pr      | CHE313                           | Synthesis of organic compounds                                     | 3   | 1      | 15  | 35  | 14                 | 20        |
|           | SEC2         | SEC302(A)                        | Safety Rules in Chemistry Laboratory and Lab Reagents              | 2   | 2      | 15  | 35  | 14                 | 20        |
| SEC302(B) |              | Pollution Prevention and control |  |     |        |     |     |                    |           |
| IV        | DSC4         | CHE404                           | CHEMISTRY-IV   | 4   | 4      | 30  | 70  | 28                 | 40        |
|           | DSC4-Pr      | CHE414                           | Qualitative Analysis of Organic Compounds                          | 3   | 1      | 15  | 35  | 14                 | 20        |
|           | SEC4         | SEC404(A)                        | Materials and their Applications                                   | 2   | 2      | 15  | 35  | 14                 | 20        |
|           |              | SEC404(B)                        | Chemistry of Cosmetics and Food Processing                         | 2   | 2      | 15  | 35  | 14                 | 20        |
| V         | DSE A        | CHE505 A                         | Spectroscopy, Separation Techniques & Medicinal Chemistry -I       | 4   | 4      | 30  | 70  | 28                 | 40        |
|           |              | CHE505 B                         | Metallurgy, Dyes and Catalysis                                     | 4   | 4      | 30  | 70  | 28                 | 40        |
|           | DSC 5 Pr     | CHE515                           | Experiments in Physical Chemistry- I                               | 3   | 1      | 15  | 35  | 14                 | 20        |
|           | GE           | GE 505 A                         | Chemistry of Cosmetics, Food Processing, Drugs and Pharmaceuticals | 2   | 2      | 15  | 35  | 14                 | 20        |
|           |              | GE 505 B                         | Research Methodology   | 2   | 2      | 15  | 35  | 14                 | 20        |
| VI        | DSE A        | CHE606 A                         | Spectroscopy, Separation Techniques & Medicinal Chemistry- II      | 4   | 4      | 30  | 70  | 28                 | 40        |
|           |              | CHE606 B                         | Agricultural and Fuel Chemistry                                    | 4   | 4      | 30  | 70  | 28                 | 40        |
|           | DSC 6 Pr     | CHE616                           | Experiments in Physical Chemistry-II                               | 3   | 1      | 15  | 35  | 14                 | 20        |
|           |              | CHE607                           | Advanced Chemistry/ Project/ Online Course                         | 4   | 4      | 30  | 70  | 28                 | 40        |

**NOTE:**

ESE Duration:

2.30 Hrs. for all 70 Marks Courses  
 3.00 Hrs. for Practical courses



**Course Structure Details-B.Sc.**

**BSC MSCS, MPCS, MECS  
COMPUTER SCIENCE**

| Category                    | Courses     | SEM I  |         | SEM II |         | SEM III |         | SEM IV |         | SEM V  |         | SEM VI |         | Total Credits |
|-----------------------------|-------------|--------|---------|--------|---------|---------|---------|--------|---------|--------|---------|--------|---------|---------------|
|                             |             | Period | Credits | Period | Credits | Period  | Credits | Period | Credits | Period | Credits | Period | Credits | Credits       |
| LSC                         | English     | 4      | 4       | 4      | 4       | 3       | 3       | 3      | 3       | 3      | 3       | 3      | 3       | 20            |
|                             | II Language | 4      | 4       | 4      | 4       | 3       | 3       | 3      | 3       | 3      | 3       | 3      | 3       | 20            |
| DSC                         | Optional-1  | 4+3    | 4+1     | 4+3    | 4+1     | 4+3     | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 30            |
|                             | Optional-2  | 4+3    | 4+1     | 4+3    | 4+1     | 4+3     | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 30            |
|                             | Optional-3  | 4+3    | 4+1     | 4+3    | 4+1     | 4+3     | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 4+3    | 4+1     | 30            |
| AECC                        |             | 2      | 2       | 2      | 2       |         |         |        |         | 2*     | 2*      |        |         | 4             |
| SEC                         |             |        |         |        |         | 4       | 4       | 4      | 4       |        |         |        |         | 8             |
|                             | SOC and CCA | 2+2    | -       | 2+2    | 2+2*    |         |         |        |         |        |         |        |         | 4*            |
| GE                          | IDC         |        |         |        |         |         |         |        |         | 4      | 4       |        |         | 4             |
| Project/ Online Course      |             |        |         |        |         |         |         |        |         |        |         | 4      | 4       | 4             |
| Total Credits               |             | 35     | 25      | 35     | 25      | 31      | 25      | 31     | 25      | 33     | 25      | 31     | 25      | 150           |
| Extra Credits in curriculum | *NCGP A     |        |         |        | 2+2     |         |         |        |         |        | 2       |        |         | 6-8           |

**Course Details of the Department of Computer Science**

| Semester | Generic Code | Course code | Course Title          | PPW | Credit | CIA | ESE | Passing minimum in | ESE | Aggregate |
|----------|--------------|-------------|-----------------------|-----|--------|-----|-----|--------------------|-----|-----------|
| I        | DSC1         | CSC101      | Programming in C      | 4   | 4      | 30  | 70  | 28                 | 40  |           |
|          | DSC1-Pr      | CSC111      | Programming in C Lab  | 3   | 1      | 15  | 35  | 14                 | 20  |           |
|          | AECC -1      | AECC101     | Environmental Science | 2   | 2      | 15  | 35  | 14                 | 20  |           |

*Beeddy*  
CHAIRMAN  
Computer Science





**V. Program matrix – Sem V and VIs**

**BSC MECS ELECTRONICS**

| SEMESTER | Category   | Code | No. of hours per week -<br>T-Theory,<br>P-Practical | Credits<br>Theory-4,<br>Practical -1 |
|----------|--|------|---|--------------------------------------|
| V        | English Language Skill Course                      | LSC  | 3   | 3                                    |
|          | Second Language Skill Course                       | LSC  | 3   | 3                                    |
|          | Core Course - Optional 1                           | DSE  | T - 4 + P - 3                                       | 4 + 1                                |
|          | Core Course - Optional 2                           | DSE  | T - 4 + P - 3                                       | 4 + 1                                |
|          | Core Course - Optional 3                           | DSE  | T - 4 + P - 3                                       | 4 + 1                                |
|          | Generic elective                                   | GE   | 4   | 4                                    |
|          | *AECC – Capacity Building (Non CGPA course)        |      | 2   | 2                                    |
|          | <b>Total</b>                                       |      | <b>33</b>   | <b>25 + 2*</b>                       |
| VI       | English Language Skill Course                      | LSC  | 3   | 3                                    |
|          | Second Language Skill Course                       | LSC  | 3   | 3                                    |
|          | Core Course - Optional 1                           | DSE  | T - 4 + P - 3                                       | 4+1                                  |
|          | Core Course - Optional 2                           | DSE  | T - 4 + P - 3                                       | 4+1                                  |
|          | Core Course - Optional 3                           | DSE  | T - 4 + P - 3                                       | 4+1                                  |
|          | <b>Project/online course/internship/core paper</b> |      | <b>4</b>  | <b>4</b>                             |
|          | <b>Total</b>                                       |      | <b>31</b>   | <b>5</b>                             |



**PROGRAM MATRIX SEM-V & SEM-VI**

| Sem | Generic Code | Course code | Course Title                                  | PP W | Credit | CIA | ESE | Passing minimum in |            |
|-----|--------------|-------------|---|------|--------|-----|-----|--------------------|------------|
|     |              |             |   |      |        |     |     | ES E               | Aggre gate |
| I   | DSC1         | MAT101      | Differential Equations                        | 4    | 4      | 30  | 70  | 28                 | 40         |
|     | DSC1-Pr      | MAT111      | Differential Equations                        | 3    | 1      | 15  | 35  | 14                 | 20         |
|     | AECC -1      | AECC101     | Environmental Science                         | 2    | 2      | 15  | 35  | 14                 | 20         |
| II  | DSC2         | MAT202      | Differential & Integral Calculus              | 4    | 4      | 30  | 70  | 28                 | 40         |
|     | DSC2-Pr      | MAT212      | Differential & Integral Calculus              | 3    | 1      | 15  | 35  | 14                 | 20         |
|     | AECC -2      | AECC        | Gender Sensitization                          | 2    | 2      | 15  | 35  | 14                 | 20         |
| III | DSC3         | MAT303      | Algebra                                       | 4    | 4      | 30  | 70  | 28                 | 40         |
|     | DSC3-Pr      | MAT313      | Algebra                                       | 3    | 1      | 15  | 35  | 14                 | 20         |
|     | SEC1         | SEC301      | Communication/Professional skills             | 2    | 2      | 15  | 35  | 14                 | 20         |
| IV  | SEC2         | SEC302(A)   | Logic & Sets                                  | 2    | 2      | 15  | 35  | 14                 | 20         |
|     |              | SEC302(B)   | Vector Calculus                               | 2    | 2      | 15  | 35  | 14                 | 20         |
|     | DSC4         | MAT404      | Real Analysis                                 | 4    | 4      | 30  | 70  | 28                 | 40         |
|     | DSC4-Pr      | MAT414      | Real Analysis                                 | 3    | 1      | 15  | 35  | 14                 | 20         |
|     | SEC3         | SEC403      | Leadership and Management skills/Human Values | 2    | 2      | 15  | 35  | 14                 | 20         |
| V   | SEC4         | SEC404(A)   | Logic & Sets                                  | 2    | 2      | 15  | 35  | 14                 | 20         |
|     |              | SEC404(B)   | Number Theory                                 | 2    | 2      | 15  | 35  | 14                 | 20         |
|     | DSC5         | MAT505      | Linear Algebra                                | 4    | 4      | 30  | 70  | 28                 | 40         |
| VI  | DSC5-Pr      | MAT515      | Linear Algebra                                | 3    | 1      | 15  | 35  | 14                 | 20         |
|     | GE1          | GEMAT501    | Basic Mathematics                             | 4    | 4      | 30  | 70  | 28                 | 40         |
|     | DSE6A        | MAT606A     | Numerical Analysis                            | 4    | 4      | 30  | 70  | 28                 | 40         |
|     | DSE6A-Pr     | MAT616A     | Numerical Analysis                            | 3    | 1      | 15  | 35  | 14                 | 20         |
|     | DSE6B        | MAT606B     | Integral Transforms                           | 4    | 4      | 30  | 70  | 28                 | 40         |
|     | DSE6B-Pr     | MAT616B     | Integral Transforms                           | 3    | 1      | 15  | 35  | 14                 | 20         |
|     | DSE6C        | MAT606C     | Analytical Solid Geometry                     | 4    | 4      | 30  | 70  | 28                 | 40         |
|     | DSE6C-Pr     | MAT616C     | Analytical Solid Geometry                     | 3    | 1      | 15  | 35  | 14                 | 20         |
|     | AECC -3*     | AECC03      | Capacity Building                             | 2    | 2      | 15  | 35  | 14                 | 20         |
|     | PR1/DS C7    | MAT607      | Project/ Mathematical Modeling/Online Course  | 6/4  | 4      | 15  | 35  | 14                 | 20         |

*Amala Xavier*

*Paddy*

*ayulanka*





BSC MPCs  
 PHYSICS

V. Program matrix – Sem V and VI

| SEMESTER | Category   | Code | No. of hours per week - T-Theory, P-Practical | Credits Theory-4, Practical -1 |
|----------|--|------|---|--------------------------------|
| V        | English Language Skill Course                      | LSC  | 3   | 3                              |
|          | Second Language Skill Course                       | LSC  | 3   | 3                              |
|          | Core Course - Optional 1                           | DSE  | T-4 + P-3                                     | 4+1                            |
|          | Core Course - Optional 2                           | DSE  | T-4 + P-3                                     | 4+1                            |
|          | Core Course - Optional 3                           | DSE  | T-4 + P-3                                     | 4                              |
|          | Generic elective                                   | GE   | 4   | 4                              |
|          | *AECC – Capacity Building (Non CGPA course)        |      | 2   | 2                              |
|          | <b>Total</b>                                       |      | 33  | 25 + 2*                        |
| VI       | English Language Skill Course                      | LSC  | 3   | 3                              |
|          | Second Language Skill Course                       | LSC  | 3   | 3                              |
|          | Core Course - Optional 1                           | DSE  | T-4 + P-3                                     | 4                              |
|          | Core Course - Optional 2                           | DSE  | T-4 + P-3                                     | 4                              |
|          | Core Course - Optional 3                           | DSE  | T-4<br>P-3                                    | 4<br>1                         |
|          | <b>Project/online course/internship/core paper</b> |      | 4   | 4                              |
|          | <b>Total</b>                                       |      | 31  | 25                             |



|    |           |          |   |        |        |    |    |    |    |
|----|-----------|----------|---|--------|--------|----|----|----|----|
|    | DSE5A-Pr  | STA 515A | (Theory)<br>Sampling Techniques,<br>Time Series and SQC<br>(Practicals)   | 3      | 1      | 15 | 35 | 14 | 20 |
|    | DSE5B     | STA 505B | Analytical Statistics I<br>(Theory)                                       | 4      | 4      | 30 | 70 | 28 | 40 |
|    | DSE5B-Pr  | STA 515B | Analytical Statistics I<br>(Practical)                                    | 3      | 1      | 15 | 35 | 14 | 20 |
|    | DSE5C     | STA 505C | Bio Statistics I<br>(Theory)  | 4      | 4      | 30 | 70 | 28 | 40 |
|    | DSE5C-Pr  | STA 515C | Bio Statistics I<br>(Practical)   | 3      | 1      | 15 | 35 | 14 | 20 |
|    | GE1       | IDC501   | Essential Statistics  | 4      | 4      | 30 | 70 | 28 | 40 |
| VI | DSE6A     | STA 606A | ANOVA, DoE, Vital<br>Statistics and Index<br>Numbers (Theory)             | 4      | 4      | 30 | 70 | 28 | 40 |
|    | DSE6A-Pr  | STA616A  | ANOVA, DoE, Vital<br>Statistics and Index<br>Numbers (Practical)          | 3      | 1      | 15 | 35 | 14 | 20 |
|    | DSE6B     | STA 606B | Analytical Statistics II<br>(Theory)                                      | 4      | 4      | 30 | 70 | 28 | 40 |
|    | DSE6B-Pr  | STA 616B | Analytical Statistics II<br>(Practical)                                   | 3      | 1      | 15 | 35 | 14 | 20 |
|    | DSE6C     | STA 606C | Bio Statistics II<br>(Theory)   | 4      | 4      | 30 | 70 | 28 | 40 |
|    | DSE6C-Pr  | STA 616C | Bio Statistics II<br>(Practical)  | 3      | 1      | 15 | 35 | 14 | 20 |
|    | AECC 3*   | AECC 03  | Capacity building   | 2      | 2      | 15 | 35 | 14 | 20 |
|    | PR1/DSC 7 | STA 607  | Project/Online course/<br>Internship/Core Course -<br>Operations Research | 6<br>4 | -<br>4 | 15 | 35 | 14 | 20 |

*U. S. S. S.*  
 14/02/2023  
 Chair-Person  
 B.O.S. in Statistics  
 U.C.S.  
 Osmania University,  
 HYDERABAD-7.

*S. S. S.*  
 14/2/2023  
 Head  
 Dept. of Statistics  
 St. Ann's College for Women  
 Mehdiapatnam, Hyderabad 28  
 11



DEPARTMENT OF MANAGEMENT  
BBM

| Course Code:<br>BBM 506        | Course Title<br><b>Summer Internship Report</b>  | Credits:2 | Hours:24 |
|--------------------------------|--|-----------|----------|
| Course Aim:                    | Aim of summer internship is to give an opportunity to the BBM students to have practical exposure related to the job they prefer to do after their graduation. Summer internship is to acquire practical knowledge by working in any organization. Through working for one to two months in any organization of their choice, students should learn how to do routine work related to the functional area of their interest.   |           |          |
| Learning Outcome               | After summer learning internship students should be able to:<br>1. Understand the product mix and strategies of the organization, structure of organization, reporting systems and general administration of the organization.<br>2. Understand the organizational dynamics in terms of organizational behaviour, culture, competition, future strategies and change initiatives of the organization.<br>3. Understand how to do routine work related to the job they prefer to do after BBM.  |           |          |
| Approach to Summer Internship: | Students should take covering letter/s, addressed to the organization/professional, before the completion of fourth semester and approach the organizations. They can use their own contacts or seek assistance from the faculty and head of the BBM department of the college to pursue the process of getting the summer internship. College is also expected to constantly approach companies and professionals and try to explore opportunities of providing summer internship to their BBM students. Students are also expected to put their serious efforts to get the summer internship because there is huge competition for getting summer internships and organizations are also expressing their inability to provide summer internship to the large number of students pursuing BBM.<br>Students may work in any organization like banks, hospitals, hotels, insurance companies, charitable trusts, NGOs, Government departments etc., or work with any professional (like chartered accountants, doctor, lawyers, real estate, temples/religious institutions etc.), small or big or any entrepreneur, manager of any business organization and understand how they are doing business. They can visit the shops, petrol bunks, dealers, distributors, retailers, companies or their branch offices in their nearby cities, towns and villages to understand their business model. |           |          |
| Report:                        | A brief report of explaining their understanding and analysis of the organization they work should be presented. The students need not present information available in the websites. Students should give reference to the web link with a brief note on what the web site contains.<br>Presentation of their experiences through working and observation during the summer internship will enable them to enhance their creativity towards solutions for the issues and challenges of the business organizations or professionals with whom they are associated.   |           |          |
| Assessment Evaluation          | <b>Seminar Presentation – CIA 15 Marks</b><br><b>Internship Report Viva Voce- ESE 35 Marks- 20 Report, 15 Viva voce</b>  |           |          |

1. Venkateswar Rao  
2. P.V.S. Kiranmayi  
3. Dr. Chetan Srivastava  
4. Dr. D.V. Srinivas  
5. Prashanth Ungam  
6. M.A. Vochana  
7. T. Anandha
- Subject Expert  
Subject Expert  
Subject Expert  
Industry Expert  
Alumnus  
HoD, BBM



Department of Business Management (MBA)  
St. Ann's College for Women, Mehdiapatnam, Hyderabad (Autonomous), Osmania University  
NAAC Reaccredited with 'A+' Grade, College with Potential for Excellence by UGC

| er | Course Code | Name of the Paper                            | SOI       | Credits   | Duration of Exam (Hours) | ESE | IA | Total |
|----|-------------|--|-----------|-----------|--------------------------|-----|----|-------|
|    | MBA301      | Operations Management                        | 5         | 5         | 3                        | 80  | 20 | 100   |
|    | MBA302      | Operations Research                          | 5         | 5         | 3                        | 80  | 20 | 100   |
|    | MBA303      | Logistics Management                         | 5         | 5         | 3                        | 80  | 20 | 100   |
|    |             | <u>Discipline Specific Elective I</u>        |           |           |                          |     |    |       |
|    | MBA304A     | Derivatives Management (F)                   |           |           |                          |     |    |       |
|    | MBA304B     | Product & Brand Management (M)               | 4         | 4         | 3                        | 80  | 20 | 100   |
|    | MBA304C     | Compensation Management (HR)                 |           |           |                          |     |    |       |
|    | MBA304D     | Management Information System (SYS)          |           |           |                          |     |    |       |
|    |             | <u>Discipline Specific Elective II</u>       |           |           |                          |     |    |       |
|    | MBA305A     | International Finance (F)                    |           |           |                          |     |    |       |
|    | MBA305B     | Advertising & Promotion (M)                  |           |           |                          |     |    |       |
|    | MBA305C     | Organization Development (HR)                | 4         | 4         | 3                        | 80  | 20 | 100   |
|    | MBA305D     | Business Analytics (SYS)                     |           |           |                          |     |    |       |
|    | MBA316      | Project work Tutorials / Case Study          | 2         | 1         | --                       | --  | -- | --    |
|    | MIDC301     | Executive Communication                      | 2         | 1         | 2                        | 40  | 10 | 50    |
|    |             | <b>Total</b>                                 | <b>27</b> | <b>25</b> |                          |     |    |       |
|    | MBA401      | Strategic Management                         | 5         | 5         | 3                        | 80  | 20 | 100   |
|    | MBA402      | E - Business                                 | 5         | 5         | 3                        | 80  | 20 | 100   |
|    | MBA403      | Crisis & Disaster Management                 | 5         | 5         | 3                        | 80  | 20 | 100   |
|    |             | <u>Discipline Specific Elective III</u>      |           |           |                          |     |    |       |
|    | MBA404A     | Security Analysis & Portfolio Management (F) |           |           |                          |     |    |       |
|    | MBA404B     | Consumer Behaviour (M)                       |           |           |                          |     |    |       |
|    | MBA404C     | Performance Management (HR)                  | 4         | 4         | 3                        | 80  | 20 | 100   |
|    | MBA404D     | Data Base Management Systems (SYS)           |           |           |                          |     |    |       |
|    |             | <u>Discipline Specific Elective IV</u>       |           |           |                          |     |    |       |
|    | MBA405A     | Banking & Insurance (F)                      |           |           |                          |     |    |       |
|    | MBA405B     | Services Marketing (M)                       |           |           |                          |     |    |       |
|    | MBA405C     | Labour Laws and Employee Relations (HR)      | 4         | 4         | 3                        | 80  | 20 | 100   |
|    | MBA405D     | Enterprise Resource Planning(SYS)            |           |           |                          |     |    |       |
|    | PRJT416     | Project Work & Viva Voce                     | 2         | 1+1       |                          |     |    | Grade |
|    |             | <b>Total</b>                                 | <b>25</b> | <b>25</b> |                          |     |    |       |

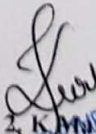
Total Credits = 100 Standard of Instructions/week = 27 or 25

Total Marks = 2100 (MAOC not included)

6

Names & Signatures:

  
CHAIRMAN  
1. Prof. R. Venkateshwar Rao  
HEAD OF BUSINESS MANAGEMENT  
OSMANIA UNIVERSITY,  
Hyderabad-500 007, T.S., INDIA.

  
HEAD  
DEPARTMENT OF BUSINESS MANAGEMENT (MBA)  
ST. ANN'S COLLEGE FOR WOMEN AUTONOMOUS  
Mehdiapatnam, Hyderabad-28



Department of Master Of Computer Applications, St. Ann's College for Women, Mehdipatnam, Hyderabad (Autonomous), Osmania University NAAC Reaccredited with 'A+' Grade(3<sup>rd</sup> cycle), College with Potential for Excellence by UGC

|     |                                    |           |           |   |            |            |            |
|-----|------------------------------------|-----------|-----------|---|------------|------------|------------|
|     | <b>Total</b>                       | <b>30</b> | <b>28</b> |   | <b>580</b> | <b>170</b> | <b>750</b> |
| 01  | Information Security               | 4         | 4         | 3 | 80         | 20         | 100        |
| 02  | Big Data Analytics                 | 4         | 4         | 3 | 80         | 20         | 100        |
| 03  | Object Oriented System Development | 4         | 4         | 3 | 80         | 20         | 100        |
|     | <b>Elective –I(any one)</b>        | 4         | 4         | 3 | 80         | 20         | 100        |
| 04A | Cloud Computing (Selected)         |           |           |   |            |            |            |
| 04B | Electronic Commerce                |           |           |   |            |            |            |
| 04C | Human Computer Interaction         |           |           |   |            |            |            |
| 04D | Software Reuse Techniques          |           |           |   |            |            |            |
| 04E | Soft Computing                     |           |           |   |            |            |            |
| 04F | XML & Web Services                 |           |           |   |            |            |            |
|     | <b>Elective –II(any one)</b>       | 4         | 4         | 3 | 80         | 20         | 100        |
| 05A | Mobile Computing (Selected)        |           |           |   |            |            |            |
| 05B | Software Testing                   |           |           |   |            |            |            |
| 05C | System Administration              |           |           |   |            |            |            |
| 05D | Rich Internet Applications         |           |           |   |            |            |            |
| 05E | Software Project Management        |           |           |   |            |            |            |
| 05F | Research Methodologies             |           |           |   |            |            |            |
| 12  | Programming Lab IX (BA)            | 3         | 2         | 3 | 50         | 25         | 75         |
| 13  | Programming Lab X (OOSD)           | 3         | 2         | 3 | 50         | 25         | 75         |
| 511 | Seminar                            | 2         | 2         |   | 15W        | 10P<br>R   | 25         |
|     | <b>Total</b>                       | <b>28</b> | <b>26</b> |   | <b>515</b> | <b>160</b> | <b>675</b> |
| 611 | <b>Project Seminar</b>             | 3         | 3         |   |            | 25         | 25         |
| 11  | <b>Project</b>                     | 6         | 5         |   |            | 50         | 50         |
|     | <b>Total</b>                       | <b>9</b>  | <b>8</b>  |   |            | <b>75</b>  | <b>75</b>  |

& Signatures

Prof. P. V. Sudha

2. Dr. G. Anil Kumar

3. Ms. K. Padmaja

4. B. Suvarna Suhasni

5. Ms. A. Rajini Kumari

6. Ms. T. Pushpa Latha



SEMESTER – VI

DEPARTMENT OF COMPUTER APPLICATIONS  
MCA

| 1 | CODE    | NAME OF THE PAPER | SOI      | Credits  | SEM EXAM DURATION | SEM EXAM MARKS | CIA       | TOTAL     |
|---|---------|-------------------|----------|----------|-------------------|----------------|-----------|-----------|
|   | SMNR611 | Project Seminar   | 3        | 3        | ~                 | ~              | 25        | 25        |
|   | PRJT611 | Project           | 6        | 5        |                   | Grade*         | 50        | 50        |
|   |         | <b>Total</b>      | <b>9</b> | <b>8</b> |                   |                | <b>75</b> | <b>75</b> |

PROJECT SEMINAR

Each student will be required to:

Submit one page of synopsis on the project work for display on notice board. 8. Give a 20 minutes presentation followed by 10 minutes discussion.

Submit a technical write-up on the project.

At least two teachers will be associated with the Project Seminar to evaluate students for the award of professional marks which will be on the basis of performance in all the 3 items stated above

The project seminar presentation should include the following components of the project:

Problem definition and specification.

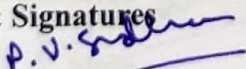
Literature survey, familiarity with research journals.

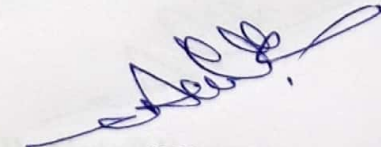
Broad knowledge of available techniques to solve a particular problem

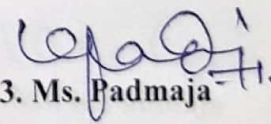
Planning of the work, preparation of bar(activity) charts

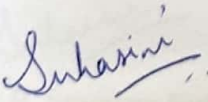
Presentation-oral and written.

Names & Signatures

  
Prof. P. V. Sudha

  
2. Dr. G. Anil Kumar

  
3. Ms. Padmaja

  
Ms B. Suvarna Suhasni

  
5. Ms A. Rajini kumari

6. Ms. T.Pushpalatha



DEPARTMENT OF COMMERCE (P.G), ST. ANN'S COLLEGE FOR WOMEN, Mehdiapatnam,  
Hyderabad(Autonomous), Osmania University, NAAC Reaccredited with 'A+' Grade, College with  
Potential for Excellence by UGC

DEPARTMENT OF COMMERCE  
MCOM

|                |                               |           |           |   |            |            |            |
|----------------|-------------------------------|-----------|-----------|---|------------|------------|------------|
| MCOM305 (F/IB) | Specialization*               | 6         | 5         | 3 | 80         | 20         | 100        |
| MIDC301        | MIDC                          | 2         | 1         | 2 | 40         | 10         | 50         |
| SMNR311        | Seminar                       | 2         | 1         | - | 25(WP)     | -          | 25         |
|                | <b>Total</b>                  | <b>29</b> | <b>24</b> |   | <b>435</b> | <b>140</b> | <b>575</b> |
| MCOM401        | QTBD                          | 6         | 4         | 3 | 80         | 20         | 100        |
| MCOM402        | Business & Corporate Taxation | 6         | 4         | 3 | 80         | 20         | 100        |
| MCOM403        | Strategic Management          | 6         | 4         | 3 | 80         | 20         | 100        |
| MCOM404 (F/IB) | Specialization*               | 6         | 5         | 3 | 80         | 20         | 100        |
| MCOM405 (F/IB) | Specialization*               | 6         | 5         | 3 | 80         | 20         | 100        |
| PRJT411        | Project Work                  | 8         | 4         | - | 50VV+ 50D  | -          | 100        |
| SMNR411        | Seminar                       | 2         | 1         | - | 25(W)      | -          | 25         |
|                | <b>Total</b>                  | <b>35</b> | <b>27</b> |   | <b>525</b> | <b>100</b> | <b>625</b> |

✓ Inter Disciplinary (ID) Paper in Third Semester is offered to the Non-Commerce PG Students, SOI=Standard of Instruction; ESED= Duration of End-Semester Examination; VV=Viva-Voce; LPE = Lab Practical Examinations; D=Dissertation; T=Theory; P=Practical; W=Write-up; PR=Presentation.

**CHAIRMAN**  
Board of Studies in Commerce  
Osmania University,  
Hyderabad-500 007., T.S.

1. Prof.S.V.Satyanarayana  
2. Prof.A.Sudhakar  
3. Prof.D.Satish  
4. Mr.B.Sekkizhar  
5. Ms.M...  
6. K.Usha Rani

**HEAD**  
Department of Commerce  
St. Ann's College for Women  
Hyderabad-500 007.

**RECTOR (ACADEMIC)**  
B. R. Ambedkar Open University  
HYDERABAD - 500 452

**C. BANERJEE & CO.**  
HYDERABAD