



**Shri Vaishnav Vidyapeeth Vishwavidyalaya**  
**Shri Vaishnav Institute of Computer Applications**  
**Choice Based Credit System (CBCS) Scheme in the light of NEP-2020**  
**B.C.A. (IBM) Batch (2026-29)**  
**SEMESTER - II**

| S. No. | CATEGORY            | COURSE CODE    | COURSE NAME                     | TEACHING SCHEME / WEEK |   |    | CREDITS | EXAMINATION SCHEME                                                                                                          |                     |                            |                               |                            | TOTAL MARKS |
|--------|---------------------|----------------|---------------------------------|------------------------|---|----|---------|-----------------------------------------------------------------------------------------------------------------------------|---------------------|----------------------------|-------------------------------|----------------------------|-------------|
|        |                     |                |                                 | L                      | T | P  |         | THEORY                                                                                                                      |                     |                            | PRACTICAL                     |                            |             |
|        |                     |                |                                 |                        |   |    |         | End Sem University Exam (60%)                                                                                               | Two Term Exam (20%) | Teachers Assessment* (20%) | End Sem University Exam (60%) | Teachers Assessment* (40%) |             |
| 1      | Major-2             | BCABDA201M     | Python Programming              | 4                      | 0 | 0  | 4       | 60                                                                                                                          | 20                  | 20                         | 0                             | 0                          | 100         |
| 2      | Major-3             | BCABDA203M     | Agile Development and Scrum     | 0                      | 0 | 0  | 3       | Credit Scheme will be as per the syllabus of the respective IBM Course                                                      |                     |                            |                               |                            | 50          |
| 3      | Minor-2             | BSCDS201       | Data Structures                 | 3                      | 0 | 2  | 4       | 60                                                                                                                          | 20                  | 20                         | 30                            | 20                         | 150         |
| 4      | Practical (Major-2) | BCABDA201M (P) | Python Programming Lab          | 0                      | 0 | 4  | 2       | 0                                                                                                                           | 0                   | 0                          | 30                            | 20                         | 50          |
| 5      | Practical (Major-3) | BCABDA203M (P) | Agile Development and Scrum Lab | 0                      | 0 | 4  | 2       | 0                                                                                                                           | 0                   | 0                          | 30                            | 20                         | 50          |
| 6      | AEC-2               | ENGAEC201      | Professional Technical Writing  | 2                      | 0 | 0  | 2       | 60                                                                                                                          | 20                  | 20                         | 0                             | 0                          | 100         |
| 7      | VAC-1/ MOOCS-1      | VAXXX          | Value Added Course              | 2                      | 0 | 0  | 2       | Codes and Examination Scheme is available in the Basket of Value Added Course for Even Semester Approved by the University. |                     |                            |                               |                            | 100         |
| TOTAL  |                     |                |                                 | 11                     | 0 | 10 | 19      | 180                                                                                                                         | 60                  | 60                         | 90                            | 60                         | 600         |

Legends: L - Lecture ; T - Tutorial/Teacher Guided Student Activity ; P - Practical ;

\*Teacher Assessment shall be based following components: Quiz/Assignment/Project/Participation in Class, given that no component shall exceed more than 10 marks.

Note: Students are advise to earn atleast 2 credits in open elective category from MOOCs for the award of the degree.

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