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**S.Y.BCA SEM:- 3 (A.Y.: 2022-23)**

**304- Object Oriented Programming and Data Structure**

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| **NO** | **Particular** | **Pg.NO** | **SIGN** |
| 1 | Create a class ‘Bank’ comprises of data like bank\_id, bank\_name, brance\_name and create another class ‘Account’ which holds data like ac\_no, ac\_name, ac\_type (saving/current), and balance. Create another class ‘Transaction’ which holds the functions to perform following operations:  1. Create New Account  2. Deposit & Withdraw (Min 500 balance) in particular  3. List out details of only those accounts whose type is ‘current’ | 1 |  |
| 2 | Create a class “ word ”which stores a string value. Overload +, == for concatenation and comparison operation respectively. | 6 |  |
| 3 | Q-3 Create class using multilevel inheritance of student list  1 st class contain roll no and name of student  2 nd class contain marks of three subject | 9 |  |
| 4 | Create a book class (bookid,bookname,year,publication) & student class (rollno,name,year,books). Display list of books borrowed by student from library. | 13 |  |
| 5 | Create an event class, create dynamic objects of event class and release the memory of the created object before program terminates. | 16 |  |
| 6 | Create a program to implement stack with its operations | 18 |  |
| 7 | Create a program to implement infix to postfix conversion. | 21 |  |
| 8 | Create a program to implement simple queue with its operations. | 27 |  |