



RN-3545

SYBCA(SEM-III) Examination

October / November - 2019

SYBCA SEM-III Paper 306 PRACTICALS

Time: 5 Hours]

[Total Marks: 140

સૂચના : / Instructions

નીચે દર્શાવેલ નિશાનીવાળી વિગતો ઉત્તરવહી પર અવશ્ય લખવી.
Fill up strictly the details of signs on your answer book

Name of the Examination:

SYBCA(SEM-III)

Name of the Subject :

SYBCA SEM-III Paper 306 PRACTICALS

Subject Code No.:

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Seat No.:

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Student's Signature

Instruction:

(1) Figure on the right indicate marks.

Q-1 Write a program to perform following operations on singly circular linked list **(40)**

- I. Add a node at particular locations
- II. Delete a node at end
- III. Reverse the list
- IV. Display the list

Q-2 Write a C++ menu driven program to **(40)**

1. Create class "Tour" containing member variables like Tour code, Tour_name, and Tour_cost.
2. Overload * and / operator to increase tour cost by 10% and decrease tour cost by 10% respectively.
3. Provide facility to change Tour_name and Tour_cost.
4. Save data into file.
5. Retrieve data from file.

Q-3 Create tables for following relations with proper integrity constraints and appropriate data type: **(40)**

Student (Roll No, Name, Class, Result)

Result (Roll No, Mark_Subject1, Mark_Subject2, Mark_Subject3)

Use database sequence to generate next Roll number while inserting sample rows for Student table.

Write a database function which accepts roll number as incoming parameter and it also updates

1. result to “Pass” or “Fail” based on all three subjects marks
 2. class column in following manner (Only if the student is having result “Pass”)
 - a. FYBCA to SYBCA
 - b. SYBCA to TYBCA
 - c. TYBCA to Graduate
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