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BCA-302

B.C.A. Third Year Examination, 2017

Paper-II

(Visual Programming)

Time Allowed : Three Hours

Maximum Marks : 100

PART-A (खण्ड-अ) [Marks : 20

Answer all questions (50 words each).

All questions carry equal marks.

सभी प्रश्न अनिवार्य हैं। प्रत्येक प्रश्न का उत्तर 50 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

PART-B (खण्ड-ब) [Marks : 50

Answer five questions (250 words each), selecting one from each Unit. All questions carry equal marks.

प्रत्येक इकाई में से एक-एक प्रश्न चुनते हुए, कुल पाँच प्रश्न कीजिए। प्रत्येक प्रश्न का उत्तर 250 शब्दों से अधिक न हो।

सभी प्रश्नों के अंक समान हैं।

PART-C (खण्ड-स) [Marks : 30

Answer any **two** questions (300 words each).

All questions carry equal marks.

कोई दो प्रश्न कीजिए। प्रत्येक प्रश्न का उत्तर 300 शब्दों से अधिक न हो।
सभी प्रश्नों के अंक समान हैं।

PART-A

1. Answer the following questions :

- (i) Explain in which situation the WM-Print Message is called.
- (ii) What is Device context?
- (iii) How are Fonts used? Explain about Font attributes.
- (iv) Discuss the components of VC++.
- (v) Differentiate : SDI v/s MDI.
- (vi) What are Multiple views?
- (vii) Explain Active X Controls.
- (viii) What is meant by OLE?
- (ix) Give any Four Winnet Classes.
- (x) What is ODBC?

PART-B

UNIT-I

2. What is GDI? Explain Child Window Controls.
3. How to create your first program in Visual C++.

UNIT-II

4. Write short notes on the following :
 - (a) Modal and Modeless dialog.
 - (b) Mapping Modes.
5. Write a simple MFC application to show a window.

UNIT-III

6. How a DLL can be created using MFC?
7. Write short notes on the following :
 - (a) Toolbars
 - (b) Rich edit control.

UNIT-IV

8. Explain about Active X controls v/s Ordinary windows controls.
9. Write OLE embedded component and containers in details.

UNIT-V

10. Discuss in detail the management of database with ODBC.
11. Difference between :
 - (a) Extension and Chat application
 - (b) Winsock-Winlnet.

PART-C

12. Explain in detail about architectural overview of windows programming.
13. Differentiate between Modal and Modeless dialog box.
14. Explain in detail multiple Documents Interface (MDI) with suitable illustration.
15. Define the following :
 - (a) COM
 - (b) OLE drag and drop.
16. Explain ODBC with any real time application (student's mark list) preparation.
