

This question paper contains 4 printed pages]

BCA-302

B.C.A. (Third Year) EXAMINATION, 2018

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 question from each Unit.

All questions carry equal marks.

प्रत्येक इकाई से 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 ।

P.T.O.

Part A

1. Answer the following questions :

- (i) What is GDI ?
- (ii) What is an Application Framework ?
- (iii) Write down the syntax of Text Out Function.
- (iv) Discuss the different components of VC++.
- (v) What is an Accelerator ?
- (vi) List out the classes that provide functionality of rich edit control.
- (vii) Give the Extension of Active-X control.
- (viii) Differentiate between Process and Thread.
- (ix) What is Winlnet ?
- (x) Define ODBC.

Part B

Unit I

- 2. Explain in which situation the WM-PAINT message is called.
- 3. Write a simple windows program.

Unit II

4. What is an Application Framework ?
5. With a suitable program in VC++, explain how dialog boxes are created.

Unit III

6. List out the steps involved for creating user defined DLL's.
7. Write short notes on the following :
 - (a) Status bars
 - (b) Toolbars

Unit IV

8. Define com. Also explain, different features supported by com.
9. Explain OLE Drag and Drop. Also explain container component interaction.

Unit V

10. What is DBMS ? What is ODBC ? Explain MFC ODBC classes in detail.

11. Explain Threading. List the advantages on Winlnet over WINSOCK.

Part C

12. Explain in detail about architectural overview of windows programming.
13. Explain any *five* windows common control with any *five* properties and *five* methods.
14. Define the following :
 - (a) Calendar control
 - (b) Com
 - (c) IIS
15. Write a program in VC++ to maintain the employee records of a company using ODBC.
16. What is DLL ? What are the different types of DLL ?
Write disadvantages of using DLL.