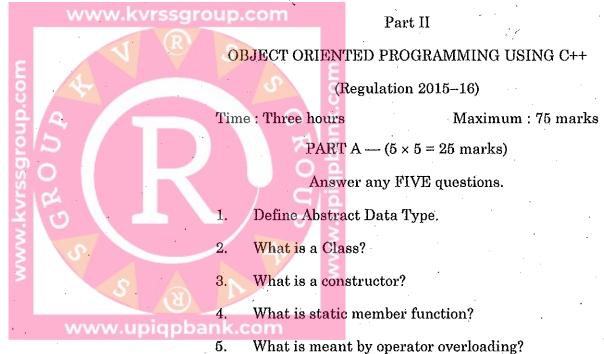
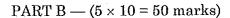
(2005OOP15)

B.C.A. DEGREE (CBCS) EXAMINATION, APRIL 2016.

(Examination at the end of Second Semester)



- Define Inheritance. 6.
- What is the significance of 'this' pointer? 7.
- 8. Differentiate between macro and function.



Answer the following questions.

UNIT I

9. Explain the features of Object-oriented Programming.

Or

10. Explain the data types available in C++.

UNIT II

11. Give the structure of C++ program and explain each section.

Or

12. What do you mean by destructor? Compare the difference between constructor and destructor.

UNIT III

13. Explain overloading the input and voutput upigpbank.com operators in C++.

Or

14. Explain various forms of inheritance with examples.

UNIT IV

15. Define polymorphism and briefly explain about various types of polymorphisms.

Or

16. What is a template? Explain various types of templates in C++.

UNIT V

17. What is a file? Explain different types file i/o functions in C++.

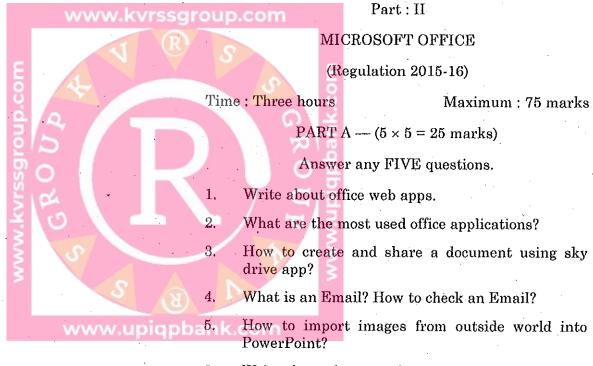
Or

18. What is an exception? Explain how we handle exceptions in C++.

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B.C.A. DEGREE (CBCS) EXAMINATION, APRIL 2016.

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- 6. Write about character formatting in word.
- 7. What are the features of PowerPoint?
- 8. What is a spreadsheet? Write its applications.

PART B — $(5 \times 10 = 50 \text{ marks})$

Answer the following questions.

UNIT I

9. What is an account? How to create a Microsoft Account and how to manage account settings?

Or

10. Explain in detail about Sky Drive and Sky Drive Pro.

UNIT II

11. Write the procedure of uploading a file from your computer and uploading files on the web using App.

Or

12. What are the applications of Email? Write the procedure for creation of Email.

UNIT III

13. What is a template? How many types of templates Upic poan K.com can be used in MS-Word?

Or

14. What are headers and footers? How to create headers and footers?

UNIT IV

15. What is a slide? Explain the procedure for creation of slides using auto content wizard.

Or

16. Explain in detail about the various views in PowerPoint.

UNIT V

17. What are the parts of a worksheet Excel? Explain.

Or

18. How to create a chart using chart wizard? And explain creation of pie chart using wizard.

3

16. Calculate coefficient of skewness (Bowley's) for the following distribution

No. of children per family: 0 1 2 3 4 5 6

No. of families:

7 10 16 25 18 11 8

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B.C.A. DEGREE (CBCS) EXAMINATION, APRIL 2016.

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UNIT V

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Part — II

17. Calculate the coefficient of correlation from the following data

x: 9 8 7 6 5 4 3 2

y: 15 16 14 13 11 12 10 8 9

Or

STATISTICAL METHODS AND THEIR APPLICATIONS

(Regulation 2015-16)

Time: Three hours

Maximum: 75 marks

18. Find out Karl Pearson's coefficient of correlation from the following data

x: 38 35 32 25 48 42 45 52

y: 25 28 30 29 26 40 35 22

PART A — $(5 \times 5 = 25 \text{ marks})$

Answer any FIVE questions.

- 1. Explain the concept of classification of data.
- 2. Discuss the concept of frequency curve.
- 3. Discuss the importance of dispersion,.
- 4. Explain Ogive curves.
- 5. What is meant by skewness? Explain the role of skewness in the analysis of data.
 - 6. Explain the concept of standard deviation.
 - 7. Explain the concept of Bowley's coefficient of skewness.
 - 8. Explain the correlation coefficient.

(2005SMA15)

PART B — $(5 \times 10 = 50 \text{ marks})$					12. Find mean from the following data							
Answer the following questions.					Marks:	30	40	50	60	70	80	
					Frequency:	1	12	15	10	5.	2	•
UNIT I					UNIT III							
distribution Wages: 2 No. of workers:	ogram for the fi 50-259 260-269 10 18 90-299 300-309 15 8 Or	270-279 27	280-289		13. Find quartidistribution $x:$ 0-10 $f:$ 11 $x:$ 50-60 $f:$ 33	10-20 H 18 60-70 22	0 20 0 70 Or	0-30 25 0-80 15 ta fin	30-4 28 80-9 22 d out	0 4 0	0-50 30 standa	
(b) Frequen	icy polygon	3			x: 10-20	5	30-40			-60 (
	UNIT II	[≥]	0		f: 10	12	15	. 20]	14	24	
11. Compute median and mode from the following						>	UNIT	IV	÷			
data Age:	10-15 15-20	20-25	25-30 V · U	piqpba	15. From the f			a calc	ulate	Karl I	Pearso	n's
No. of people :	22 45	67	73	· · · · · · · · · · · · · · · · · · ·	Marks more tha	in: 0	10	20 30	40	50 60	70 8	0
Age:	30-35 35-40	40-45	45-50		No. of students	: 150	140 1	00 80	80 '	70 30	14 0) .
No. of people :	85 . 190	64	55		•		Or	. •	•	•		
	Or			•	/		•				:	•

(2005SMA15)

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(2005SMA15)

3