

**(2005MSO15)**

B.C.A. DEGREE (CBCS) EXAMINATION,  
MARCH/ APRIL 2018.

(Examination at the end of Second Semester)

Part II:

MICROSOFT OFFICE

(Regulation 2015-2016)

Time : Three hours

Maximum : 75 marks

SECTION A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. How do you create microsoft account?
2. What is office on demand?
3. How do you use sky drive app?
4. What are the ways to share a document.
5. How are tables added using MS-word 2013?
6. What is a ribbon in MS- word 2013.
7. How you enter data in spreadsheet?
8. What are steps to copy text from one file to other.



SECTION B — (5 × 10 = 50 marks)

UNIT-IV

Answer the following questions.

UNIT-I

9. Briefly explain about creating and managing office account settings.

Or

10. What are the most used office applications?

UNIT-II

11. What is method of uploading files on web using sky drive.

Or

12. How do you create and share a document using sky drive pro?

UNIT-III

13. What is MS-word? What are the features of MS-word.

Or

14. Explain how you create add images and tables in MS-word 2013.

15. Explain how you create presentations using power point.

Or

16. What are different tools in ribbon of power point 2013?

UNIT-V

17. What is Microsoft excel 2013. What are its uses in the company?

Or

18. How can you sort a cell in Microsoft excel 2013.

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

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(Regulation 2015-16)

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Part II

OBJECT ORIENTED PROGRAMMING USING C++

Time : Three hours

Maximum : 75 marks

PART A — (5 × 5 = 25 marks)

Answer any FIVE questions.

1. Define data abstraction.
2. What are I/O statements in C++?
3. What is a construction?
4. What is a friend function?
5. Explain inheritance?
6. What is a templates?
7. What is a stream classes?
8. What is an Exception handling?

PART B — (5 × 10 = 50 marks)

UNIT IV

Answer the following questions.

UNIT I

9. What are the basic concepts and benefits of oop's?

Or

10. Briefly explain about object oriented programming paradigm?

UNIT II

11. What is the purpose of inline functions? explain with examples?

Or .

12. Explain types of constructors with an examples?

UNIT III

13. Explain abstract classes with an examples?

Or

14. What is overloading. Explain with an examples?

15. Explain virtual functions in C++? What are the need for virtual function?

Or

16. Explain purevirtual functions in C++?

UNIT V

17. What is an Exception? How are handled exceptions in C++?

Or

18. What is a file? explain manipulations on files?

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Part II

OPERATING SYSTEMS

(Regulation 2016-2017)

Time : Three hours

Maximum : 75 marks

SECTION A — ( $5 \times 5 = 25$  marks)

Answer any FIVE questions.

1. Write about storage structure.
2. List out services provided by an operating system.
3. Write a short note on scheduling queues.
4. What are the problems of synchronization.
5. Discuss about thread library.
6. What is swapping.
7. Write about different file structures.
8. Describe a system model.

SECTION B — ( $5 \times 10 = 50$  marks)

Answer ALL of the following questions.

9. (a) Discuss in detail about operating system structure.

Or

- (b) Explain about computer system architecture.
10. (a) Describe the differences among short term, medium term and long term scheduling.

Or

- (b) What are different multi threading models.
11. (a) Briefly explain about paging.

Or

- (b) Explain about segmentation in detail.
12. (a) Write about access methods of a file.

Or

- (b) Discuss in detail about file system mounting.
13. (a) Explain about deadlock detection and recovery.

Or

- (b) Briefly explain about deadlock prevention.

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**(Examination at the end of Second Semester)**

**Part-II:**

**STATISTICAL METHODS AND THEIR APPLICATIONS**

**(Regulation 2015-2016)**

**Time : Three hours**

**Maximum : 75 marks**

**SECTION A — (5 × 5 = 25 marks)**

**Answer any FIVE questions.**

1. What is meant by classification? State its important objectives.
2. Explain the limitations of graphs and diagrams.
3. What are the requirements of a good average?
4. Find the mean, median and mode for the following data.  
51, 6, 48.7, 50.3, 49.5 and 48.9
5. Discuss range and the quartile deviation as measures of dispersion with an example.
6. What are the objectives of measuring skewness.
7. What is scatter diagram? Explain.
8. Define the concept of correlation. Describe important properties of the coefficient of correlation.

**SECTION B — (5 × 10 = 50 marks)**

**Answer the following questions**

**UNIT-I**

9. What do you understand by 'tabulation'? What considerations should be kept in mind while tabulating the data?

**Or**

10. Draw a Histogram for the following data :

Score :	60	65	70	75	80	85	90	95	100
Frequency :	1	2	6	9	7	5	3	2	1

## UNIT II

11. Calculate the arithmetic mean, by the step deviation method for the following data.

Marks :	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60
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No. of Students :	42	44	58	35	26	15
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Also find the median.

Or

12. What do you understand by median? Under what conditions is the median more suitable than other measures of central tendency?

13. Discuss the relative merits and demerits of various measures of dispersion.

Or

14. From the following data find the standard deviation and the coefficient of variation.

Marks:	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80
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No. of Person:	5	10	20	40	30	20	10	4
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15. From the data given below, calculate Karl person's coefficient of skewness

X:	70 – 80	80 – 90	90 – 100	100 – 110	110 – 120	120 – 130	130 – 140	140 – 150
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f:	12	18	35	42	50	45	20	8
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Or

16. Calculate bowley's coefficient of skewness from the following data

Marks:	0 – 10	10 – 20	20 – 30	30 – 40	40 – 50	50 – 60	60 – 70	70 – 80
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No. of Persons:	10	25	20	15	10	35	25	10
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## UNIT-V

17. The ranking of ten students in statistics and accountancy are as follows:

Statistics:                3        5        8        4        7        10        2        1        6        9

Accountancy:            6        4        9        8        1        2        3        10        5        7

What is the coefficient of rank correlation?

Or

18. Calculate the coefficient of correlation for the following data:

$x :$	17	19	21	26	20	28	26	27
$y :$	23	27	25	26	27	25	30	33

