

S.D.E

B.C.A- (2004 course)

I TO VI-Sem

Summer- 2017

**Subject : Fundamentals of Information Technology**

Day : Thursday  
Date : 01/06/2017

**S.D.E.**



Time : 10.00 AM TO 1.00 PM  
Max Marks : 80 Total Pages : 1

N. B. :

- 1) Attempt **ANY FIVE** questions from **Section – I** and attempt **ANY TWO** questions from **Section - II**.
- 2) Answers to both the sections should be written in the **SAME** answer book.
- 3) Figures to the right indicate **FULL** marks.

**SECTION - I**

- Q.1** List the various computer generations along with the key characteristics of computer of each generation? (10)
- Q.2** Differentiate between the characteristics of primary & secondary storage of a computer system? (10)
- Q.3** Explain the following HTML tags (10)
- i)  $1234_9$
  - ii)  $A2B.D4_{16}$
  - iii)  $247.65_6$
  - iv)  $2573_6$
  - v)  $111.02_2$
- Q.4** Add binary number  $1010110_2$  and  $1011010_2$  and Subtract binary number  $0110111_2$  and  $1101110_2$  (10)
- Q.5** Differentiate between a sequential access and random access storage devices? Write one example of each? (10)
- Q.6** What is data processing? How do they help in improving data accuracy as compared to keyboard devices? (10)
- Q.7** What is printer? What are commonly used types of printer? (10)

**SECTION – II**

- Q.8** What is magnetic disk? Draw and explain 3 ½ inch floppy disk drive in detail? (15)
- Q.9** What is batch processing? How jobs are typically executed in a batch processing system? (15)
- Q.10** Write short note on **ANY THREE** of the following : (15)
- a) Storage hierarchy
  - b) Barcode reader
  - c) Mouse
  - d) Multiprogramming

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**Subject : Algorithm and Program Design**

Day : Saturday  
Date : 03/06/2017

**S.D.E.**



Time : 10.00 AM TO 1.00 PM  
Max Marks : 80 Total Pages : 1

**N.B.:**

- 1) Attempt **ANY FIVE** questions from Section – I and attempt **ANY TWO** questions from Section – II.
- 2) Answers to both the sections should be written in the **SAME** answer book.
- 3) Figures to the right indicate **FULL** marks.

**SECTION – I**

- Q.1** What is Flow Chart? Explain algorithm representation through flow chart. [10]
- Q.2** Design an algorithm to calculate factorial of 5 to 10 numbers and display sum of that factorials. [10]
- Q.3** Write a C program to calculate sum of following series: [10]  

$$x = \frac{1}{2} + \frac{2}{3} + \frac{3}{4} + \dots + \frac{9}{10}.$$
- Q.4** How structured programming and procedure oriented programming are beneficial in solving problems? Explain. [10]
- Q.5** Explain following terms with suitable examples: [10]  
 a) Operators                      b) Expressions.
- Q.6** Write a C program to display all prime numbers between 1 to 100. [10]
- Q.7** Write short notes on **ANY TWO** of the following: [10]  
 a) Application areas of C language  
 b) Merge  
 c) Function

**SECTION – II**

- Q.8** Write a procedure for Bubble Sort with appropriate example. [15]
- Q.9** Write a program to calculate sum of digit of accepted number (e.g., 12345 = 15). [15]
- Q.10** Write a procedure of selection sort with appropriate example. [15]

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**Subject : Office Automation**

Day : Tuesday  
Date : 06/06/2017

**S.D.E.**



Time : 10.00 AM TO 1.00 PM  
Max Marks : 80 Total Pages : 1

**N.B:**

- 1) Solve any **FIVE** questions from Section-I. Each question carries **10** marks.
- 2) Solve any **TWO** questions from Section-II. Each question carries **15** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer books.

**SECTION-I**

- Q.1** What is data processing? How data is processed? Explain with suitable example. (10)
- Q.2** Explain purpose of formula in MS-Excel worksheet. Discuss subtotal & grand total with suitable example. (10)
- Q.3**
- a) Differentiate between internet & intranet. (05)
  - b) Describe different elements of windows. (05)
- Q.4** How to prepare charts using MS-Excel? Explain with suitable example. (10)
- Q.5**
- a) Describe Desktop Publishing in brief. (05)
  - b) Explain features of MS-Windows Operating System. (05)
- Q.6** Describe following functionalities in MS-Word : (10)  
i) Bold ii) Italic iii) Underline iv) Bullet v) Alignment
- Q.7** Write short notes on (ANY TWO) (10)
- a) Paintbrush
  - b) Notepad
  - c) Control Panel

**SECTION-II**

- Q.8** Explain following functionalities from edit menu of notepad: (15)  
i) Cut ii) Copy iii) Paste iv) Find v) Replace
- Q.9**
- a) Discuss page setup & page formatting in brief with suitable example. (07)
  - b) What are different data types in MS-Access? Explain with suitable example. (08)
- Q.10** Describe the steps required to create table in MS-Access. (15)

**Subject : Business Organisation & Systems**

Day : Thursday  
Date : 08/06/2017

**S.D.E.**



Time : 10.00 AM TO 1.00 PM  
Max Marks : 80 Total Pages : 1

**N.B.**

- 1) Attempt any **FIVE** questions from Section – I and attempt any **TWO** questions from Section – II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in the **SAME** answer book.

**SECTION – I**

- Q.1** What is meant by Business? Differentiate between National Business and International Business. (10)
- Q.2** Trace with examples the development in Indian Business during the Colonial period. (10)
- Q.3** Explain various Sub-sectors of Goods Producing Sector with suitable examples. (10)
- Q.4** Explain Legal, Economic as well as Business aspects of a Merger and an Acquisition. (10)
- Q.5** State the problems and prospects of Small Scale Industries in India at present. (10)
- Q.6** Discuss the present trends in business world. (10)
- Q.7** Write short note on any **TWO**: (10)
- a) Merits and demerits of a Joint Stock Company
  - b) Types of Mergers
  - c) Advantage and Disadvantages of Franchising

**SECTION – II**

- Q.8** Mr. Ashok is a Production Engineer and has 10 years of experience in a reputed Limited Company. He wants to start a Sole Trading Business on his own. Explain for him the merits and demerits of sole trading business. (15)
- Q.9** Define Sole Proprietorship and Partnership and differentiate between these two forms of Business. (15)
- Q.10** Discuss about the Challenges faced by Indian Business in the new millennium. (15)

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AMOOR – I (2004 COURSE) : SUMMER – 2017  
SUBJECT : ENVIRONMENTAL STUDIES

Day : Saturday  
Date : 10/06/2017

Time : 10.00 A.M. TO 1.00 P.M.  
Max. Marks : 80

**N. B. :**

- 1) Attempt **ANY FIVE** questions from Section – I and attempt **ANY TWO** question from Section – II.
- 2) Figures to the right indicate **FULL** marks.
- 3) Answers to both the sections should be written in **SEPARATE** answer books.

**SECTION - I**

- Q. 1 Explain the importance of people awareness for environmental sustenance. (10)
- Q. 2 Compare the renewable and non-renewable energy resources. (10)
- Q. 3 What do you mean by bio – diversity? (10)
- Q. 4 Discuss the role of an individual in conservation of natural resources. (10)
- Q. 5 Explain in detail the causes and consequences of water pollution. (10)
- Q. 6 Elaborate on, the land as a resource. How do desertification and land-slides occur? (10)
- Q. 7 Write short notes on **ANY TWO** of the following: (10)
- a) Poaching wild life
  - b) Mineral resources
  - c) Noise pollution

**SECTION - II**

- Q. 8 Prepare a suitable action plan for controlling industrial waste. (15)
- Q. 9 How does environment protection act ensures the sustenance of ecology. (15)
- Q.10 “Construction of dams is dangerous for the cities and towns in the vicinity.” (15)  
Do you agree? Justify.



