F-0911

Sub. Code
7BIT1C1

B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

First Semester

Information Technology

PRINCIPLES OF INFORMATION TECHNOLOGY

(CBCS – 2017 onwards)

Time : 3 Hours Maximum : 75 Marks

Part A (10 × 2 = 20)

Answer **all** the questions.

1. Define the term Computer.
2. What is Communication System?
3. Define spreadsheet.
4. What is a Web Browser?
5. Specify the uses of MODEM.
6. Define Analog Signal.
7. What are Magnetic Tapes?
8. Mention the uses of Data Management System.
9. What is MIS?
10. What is Programming Language?

Part B

$(5 \times 5 = 25)$

Answer all questions choosing either (a) or (b).

11. (a) What are the six elements of a Computer system? Explain.

Or

(b) What is mean by interactivity? Explain with example.

12. (a) Explicate the different types of application software.

Or

(b) What is an Internet? Explain the various applications of Internet.

13. (a) Distinguish between Digital and Analog signals.

Or

(b) Illustrate the different types of communications in IT and its uses.

14. (a) Elaborate the various types of secondary storage devices.

Or

(b) Write a note on Data Management Systems.

15. (a) What are the five steps in programming?

Or

(b) Discuss the features of MIS.

Part C

$(3 \times 10 = 30)$

Answer any **three** questions.

16. Describe the revolution in Computers and communications.

17. Illustrate the various network types.

18. Give a brief account on ISDN lines.

19. Discuss the concepts of File Management Systems.

20. Explain in detail about five generations of programming languages.

F-0996

Sub. Code
7BSOA1

U.G. DEGREE EXAMINATION, NOVEMBER 2018

Software

Allied – FUNDAMENTALS OF COMPUTER

(CBCS – 2017 onwards)

Time : 3 Hours

Maximum : 75 Marks

Part A

(10 × 2 = 20)

Answer **all** questions.

1. Define Computer.
2. What is assembler?
3. Comment on Data processing.
4. List the basic data types.
5. What is an operating system?
6. Write the use of screen saver.
7. Why Word processing software?
8. What is workgroups?
9. List the ways to run a slide presentation.
10. Writ any two features of power point.

Part B

$(5 \times 5 = 25)$

Answer all questions, choosing either (a) or (b).

11. (a) Explain the characteristics of computers.

Or

(b) Write short notes on primary memory.

12. (a) Explain the concepts of data processing.

Or

(b) How can you store data or information as files?

13. (a) What is icon? Explain briefly about it.

Or

(b) How to manage files and folders in MS-Windows?

14. (a) How can you use tables and charts in Ms Word?

Or

(b) Write the steps to create form letters and labels.

15. (a) How to create a power point presentation?

Or

(b) Write short notes on custom animation.

Part C

$(3 \times 10 = 30)$

Answer any **three** questions.

16. Explain the Input and output devices in detail

17. How to represent data and information?

F-0996

18. Explain the following :

(a) Taskbar (2)

(b) Desk top (2)

(c) Title bar (2)

(d) Control panel (2)

(e) Property Window. (2)

19. Discuss mail merge with suitable example.

20. Explain Paragraph dialog box in power point.

F-0912

Sub. Code
7BIT2C1

B.Sc. DEGREE EXAMINATION, NOVEMBER 2018

Second Semester

Information Technology

PROGRAMMING IN C AND DATA STRUCTURES

(CBCS – 2017 onwards)

Time : 3 Hours Maximum : 75 Marks

Part A (10 × 2 = 20)

Answer **all** the questions.

1. What is an Operator?
2. Define storage classes.
3. How arrays can be initialized?
4. What is a pointer?
5. What is a function parameter?
6. Define Structure.
7. What is a stack?
8. Convert the following infix notation to postfix notation : $a + b * c / e$.
9. What is the average number of comparisons in binary search tree?
10. How will you represent list as binary tree?

Part B

$(5 \times 5 = 25)$

Answer all the questions, choosing either (a) or (b).

11. (a) Discuss on data types and variables declaration in 'C'.

Or

(b) Explain the switch statement with syntax and example.

12. (a) Explain the declaration and initialization of one and two dimensional arrays with example.

Or

(b) Explain how the structure variable passed as a parameter to a function with example.

13. (a) Write a C program to read and display a text from the file.

Or

(b) Illustrate Self-Referential structure with code.

14. (a) Write the procedure to insert and delete a data in a queue. Illustrate with an example.

Or

(b) State two application of Stack and Linked List.

15. (a) What is a binary tree? Write algorithm to construct a binary search tree.

Or

(b) Construct a binary search tree for the following numbers and perform in Order traversal

12, 5, 4, 8, 5, 40, 35.

Part C

$(3 \times 10 = 30)$

Answer any **three** questions.

16. Describe the different storage classes available in C.

17. Write a C program to find the sum and average of 'n' numbers.

18. Write a program in C to copy the content of one file to another.

19. Explain how to implement the push and pop operations of a stack.

20. How list can be represented in 'C'? Explain.

A–7014

Sub. Code
4BSOA1

U.G. DEGREE EXAMINATION, NOVEMBER 2018

Software

Allied —FUNDAMENTALS OF COMPUTER

(CBCS – 2014 onwards)

Time : 3 Hours Maximum : 75 Marks

Part A (10 × 2 = 20)

Answer **all** questions.

1. What is PDA?

2. Mention the two categories of software.

3. Give any two advantages of fiber optic cables.

4. What are the different types of network architectures?

5. What is multitasking?

6. Give any two disadvantages of DOS operating system.

7. Write a command to print the Calendar for the month November 2018.

8. What are the types of Unix commands?

9. How can you rename a folder?

10. What are restore points?

Part B

$(5 \times 5 = 25)$

Answer all questions choosing either (a) or (b).

11. (a) Describe the evolution of Computers.

Or

(b) What is ROM? Differentiate between RAM and ROM.

12. (a) Explain various network topologies present in the Computer networks.

Or

(b) Write about TCP/IP.

13. (a) Describe the functions of an operating system.

Or

(b) Describe the external commands of DOS.

14. (a) Mention the salient features of Unix.

Or

(b) Describe the different permissions associated with a file.

15. (a) List any two Start Menu items along with their functions.

Or

(b) How can you create and delete files in Windows XP?

Part C

$(3 \times 10 = 30)$

Answer any **three** questions.

16. Explain the functions of various units of a Computer system.

17. What are the basic types of guided communication media available and explain.

18. Classify the OS and explain each category.

19. What are passwords? Explain their role in the maintenance of system security.

20. Write about

    (a) Grid Computing

    (b) Cloud Computing.

F–0997

Sub. Code
7BSOA2

U.G. DEGREE EXAMINATION, NOVEMBER 2018

Software

Allied – DESKTOP PUBLISHING

(CBCS – 2017 onwards)

Time : 3 Hours

Maximum : 75 Marks

Section A

(10 × 2 = 20)

Answer **all** questions.

1. What is the need of CorelDraw?

2. List the types of curve tools.

3. What is Text path?

4. Brief the meaning of contour.

5. Define tone effects in CorelDraw.

6. List any two 3D effects.

7. State the need of wandering tool.

8. Write the need of selection tool.

9. What is blurring?

10. Define type layers.

Section B

(5 × 5 = 25)

Answer all questions, choosing either (a) or (b).

11. (a) Write the features of CorelDraw.

Or

(b) Explain Coloring of Objects in CorelDraw.

12. (a) Explain the process in Text Clipping.

Or

(b) How Transparent Texts are created in CorelDraw?

13. (a) Expound the process of converting Bitmap into Vector.

Or

(b) Write short notes on Printing of Bitmaps in CorelDraw.

14. (a) Explain the different types of documents in Photoshop.

Or

(b) Write the methods of selections in Photoshop.

15. (a) Give a brief note on Blur effect.

Or

(b) What is Vanishing Point? Explain.

Section C

$(3 \times 10 = 30)$

Answer any **three** questions.

16. Write a detailed note on color fills and out lines.

17. Discuss the various lens effects in CorelDraw.

18. Illustrate the different types of 3D effects in CorelDraw.

19. Explain the different types of Panels in Photoshop.

20. Describe various Lighting effects in Photoshop.
