

PARUL UNIVERSITY
FACULTY OF APPLIED SCIENCE
B.Sc. Winter 2018-19 Examination

Semester: 2**Subject Code: 11100152****Subject Name: Advanced Computer Applications and Architecture****Date: 11/12/2018****Time: 10:30 am to 1:00 pm****Total Marks: 60****Instructions:**

1. All questions are compulsory.
2. Figures to the right indicate full marks.
3. Make suitable assumptions wherever necessary.
4. Start new question on new page.

Q.1. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)

- (a) Explain the steps to install and uninstalling of Software
- (b) Explain the history of computer

Q.1. B) Answer the following questions (Any two)

- (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
 1. List out the different types of input devices and explain any one of them in detail
 2. List out the different types of output devices and explain any one of them in detail
- (b) Classify the different types of computers in detail (04)
- (c) How maintenance of computer takes place. (04)

Q.2. A) Answer the following questions.

- (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
 1. _____ is used for temporary storage of data
 2. What is monitor?
- (b) Explain the features of c program in detail. (04)

Q.2. B) Answer the following questions (Any two)

- (a) Short note/ Multiple choice questions. (Each of 01 marks) (03)
 1. represents raw facts, where-as..... is data made meaningful
 - a) Data, Information
 - b) Information, bits
 - c) Record, Bytes
 - d) Information, reporting
 2. A Binary language consist _____ and _____
 - a) 0,1
 - b) 1,2
 - c) 2,3
 - d) None of above
 3. _____ is used for making power-point presentation
 - a) Microsoft PPT
 - b) Microsoft Excel
 - c) Microsoft Access
 - d) Microsoft Word
- (b) What is Algorithm? Write a algorithm to multiply 2 numbers (03)
- (c) What is Flowchart? Write a flowchart to add 2 numbers (03)

Q.3. A) Essay type/ Brief note (4x2) (Each of 04 marks) (08)

- (a) Explain the architecture of CPU in detail
- (b) Explain different types of boot-up in detail

Q.3. B) Answer the following questions (Any two)

- (a) Short note/ Brief note (2x2)/ Schematically label the figures (2x2) (Each of 02 marks) (04)
 1. Explain different types of software
 2. What is the purpose of MS Word, MS Excel, MS Access and MS Powerpoint
- (b) Explain different types of cards in computer (04)
- (c) Explain the concept of interpreter (04)

Q.4. A) Answer the following questions.

- (a) Short note/ Brief note (2x2)/ Fill in the blanks. (Each of 02 marks) (04)
 1. Write a Short note on COBOL
 2. Write a Short note on Fortan
- (b) Write a C program to add 2 numbers with output and explain each and every line of the program (04)

Q.4. B) Answer the following questions. (Any two)

(a) Short note/ Multiple choice questions. (Each of 01 marks)

(03)

1. Whatsapp is _____ type of software.
 - a) System
 - b) Application
 - c) Both of these
 - d) None of these
2. Linux is a _____
 - a) Operating System
 - b) Program
 - c) Application
 - d) None of above
3. Junk e-mail is also called _____
 - a) Spam
 - b) Spoof
 - c) Sniffer script
 - d) Spool

(b) Explain the concept of Desktop Publishing

(03)

(c) Write a algorithm and flowchart to subtract 2 numbers.

(03)