# PARUL UNIVERSITY
## FACULTY OF APPLIED SCIENCE
### B.Sc., Winter 2017-18 Examination

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| **Semester: 2** | **Date: 04-01-2018** |
| **Subject Code: 11100152** | **Time: 10.30am to 01.00pm** |
| **Subject Name: Advanced Computer Applications and Architecture** | **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 (4x2) (Each of 04 marks)** **(08)**
    (a) Write tips for maintenance of a computer.
    (b) Write short note on CPU.

**Q.1. B) Answer the following questions (Any two)**
    (a) Write Short note on (Each of 02 marks) **(04)**
        1. Mouse
        2. Interpreter
    (b) How we uninstall a software in window, write steps for the same. **(04)**
    (c) Compare C & C++. **(04)**

**Q.2. A) Answer the following questions.**
    (a) Short note (Each of 02 marks) **(04)**
        1. Fortran.
        2. COBOL
    (b) Write a program in C to print multiple of two Numbers along with the output **(04)**

**Q.2. B) Answer the following questions (Any two)**
    (a) Write Full form of the fallowing.    (Each of 01 marks) **(03)**
        1. WWW
        2. HTTP
        3. DOS
    (b) Write Difference in between Database and Spreadsheet. **(03)**
    (c) Write difference in between Software and Hardware. **(03)**

**Q.3. A) Essay type (Each of 04 marks)** **(08)**
    (a) Write brief note on Operating System.
    (b) Write and explain features of C Language

**Q.3. B) Answer the following questions (Any two)**
    (a) Short note. (Each of 02 marks) **(04)**
        1. Importance of Email.
        2. Antivirus.
    (b) Short note on Modem **(04)**
    (c) Explain different types of cards in a computer. **(04)**

**Q.4. A) Answer the following questions.**
    (a) Fill in the blanks.  (Each of 02 marks) **(04)**
        1. Hard disk drives and CD drives are examples of _____ devices
        2. MS Office is a _____ Software
    (b) Write Short note on Algorithm. **(04)**

**Q.4. B) Answer the following questions (Any two)**
    (a) Multiple choice questions (Each of 01 marks) **(03)**
        1. Which of the following is not an example of hardware?
      a. Scanner               b. Printer
      c. Monitor           d. Interpreter
        2. A bar that inform you the available options in your computer, opened applications,
           background running applications and can be used to switch between applications quickly is
      a. Menu bar          b. Status Bar
      c. Tool Bar           d. Task bar
        3. Which of the following is not a font style?
      a. Bold                b. Regular
      c. Italics            d. Superscript
    (b) Short note on Printer and its type. **(03)**
    (c) Write a program in C to print Hello World along with the output and steps to run the program **(03)**
    and also explain each and every line of the program.