



**MAULANA ABUL KALAM AZAD UNIVERSITY OF  
TECHNOLOGY, WEST BENGAL**

Paper Code : BBAN-105

PUID : 01306 (To be mentioned in the main answer script)

**COMPUTER APPLICATIONS**

Time Allotted : 3 Hours

Full Marks : 70

*The figures in the margin indicate full marks.*

*Candidates are required to give their answers in their own words as far as practicable.*

**GROUP - A**

**( Multiple Choice Type Questions )**

1. Choose the correct alternatives for any ten of the following : 10 × 1 = 10
- i) UNIVAC is
    - a)  Universal Automatic Computer
    - b)  Universal Array Computer
    - c)  Unique Automatic Computer
    - d)  Unvalued Automatic Computer.
  - ii) The basic operations performed by a computer is/are
    - a)  Arithmetic operation
    - b)  Logical operation
    - c)  Storage and relative
    - d)  all of these.

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[ Turn over

- iii) The two major types of computer chips are
- a) External memory chip
  - b) Primary memory chip
  - c) Microprocessor chip
  - d) both (b) and (c)
- iv) Which of the following IC categories was used in third generation of computers ?
- a) SSI
  - b) MSI
  - c) LSI
  - d) Both (a) and (b).
- v) Which of the following was a special purpose computer ?
- a) ABC
  - b) ENIAC
  - c) EDVAC
  - d) All of these.
- vi) The accuracy of the floating-point numbers representable in two 16-bit words of a computer is approximately .
- a) 16 digits
  - b) 6 digits
  - c) 9 digits
  - d) all of these.
- vii) Computers with 80286 microprocessor is
- a) XT computer
  - b) AT computer
  - c) PS/2 computer
  - d) none of these.
- viii) Which of the following is not processing ?
- a) Arranging
  - b) Manipulating
  - c) Calculating
  - d) Gathering.
- ix) Today's computer giant IBM was earlier known by different names which were changed in 1924. What was the name ?
- a) Tabulator Machine Co.
  - b) Computing Tabulating Recording Co.
  - c) The Tabulator Ltd.
  - d) International Computer Ltd.



8. Read the following table :

	A	B	C	D	E
1	Year	Chennai	Madurai	Tiruchi	Coimbatore
2	2012	1500	1250	1000	500
3	2013	1600	1000	950	350
4	2014	1900	1320	750	300
5	2015	1850	1415	820	200
6	2016	1950	1240	920	250

Above table shows the sales figures for 'Air Cooler' sold in four major cities of Tamil Nadu from the year 2012 to 2016. Based on this data, write the formula / query to calculate the following :

- i) Total sales in the year 2015.
  - ii) Total sales in Coimbatore from 2012 to 2016.
  - iii) Total sales in Madurai and Tiruchi during 2015 and 2016.
  - iv) Average sales in Chennai from 2012 to 2016.
  - v) In 2016, how many 'Air Coolers' are sold in Chennai compared to Coimbatore ?
- 9 a) How do you insert cells, rows and columns in Excel ?
- b) What is DBMS? Discuss briefly how MS Access provides basic functionalities of DBMS. 5 + 10
- 10 a) With neat block diagram describe different components of a digital computer.
- b) Briefly describe RAM and ROM. 9 + 6
11. Write short notes on any *three* of the following : 3 × 5
- a) Impact Printers
  - b) Fetch-Decode-Execute Cycle
  - c) Cache Memory
  - d) Virtual Memory
  - e) Handwriting Recognition Systems.