

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: $10 \times 1 = 10$
 - 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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iii	i) Th	ie two majo	r types	of comp	uter (chips ar		
	a)	External	memor	y chip				
		Primary:	memory	chip	•		•	
	c)		cessor	chip		,		,
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iv)	W	both (b) anich of the	followi	ng IC	catego	ries wa	is useu i	111
•	thi	rd generati	on of co	mputer	rs?	•	•	
		SSI	•	h)	MSI		<i>(</i> 1.)	
	_ \	4.01	•	d)	Both	(a) and	(b).	
v)	Wi	LSI nich of th	e follo	wing w	as a	specia	l purpo	sc
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	a)	ABC	• 7 N	b)	ENIA	C		
•	c)	EDVAC		d	All o	f these.		
vi)	The	e accurac	y of	the fl	oatin	g-point	numbe	rs
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	c)	9 digits	r Nj	d)	all o	these.		
vii)	Cor	nputers wi	th 8028	36 micr	oproc	essor is	S	
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- x) Which is used for manufacturing chips?
 - a) Bus

- b) Control unit
- c) Semiconductors
- d) Both (a) and (b).
- xi) Which is considered as direct entry input device?
 - a) Optical scanner
- b) Mouse and digitizer
- c) Light pen
- d) All of these.
- xii) Operating System is an
 - a) Application software
 - b) System software
 - c) System firmware
 - d) Application middleware.

GROUP - B

(Short Answer Type Questions)

Answer any three of the following. $3 \times 5 = 15$

- Who uses the presentation software and why?
- 3 What is a Normal view? Explain
- What do you understand by animation and how does it help in enhancing a presentation?
- 5. Write the characteristics of sixth generation computing.
- 6. What is cell reference in MS Excel? Explain different types of cell references.

GROUP - C

(Long Answer Type Questions)

Answer any three of the following. $3 \times 15 = 45$

- 7. a) Distinguish between hardware and software.
 - b) Discuss the application software, utility software and system software.
 - c) Explain the main tasks of an operating system.

4 + 6 + 5

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Turn over

8. Read the following table:

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

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.