



Library
Brainware University
398, Ramkrishnapur Road, Barasat
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BRAINWARE UNIVERSITY

Term End Examination 2024-2025 Programme – Dip.CE-2024/Dip.CSE-2024/Dip.EE-2024/Dip.ME-2024/Dip.RA-2024 Course Name – Introduction to IT Systems Course Code - DES00001 (Semester I)

Full Marks: 60 Time: 2:30 Hours [The figure in the margin indicates full marks. Candidates are required to give their answers in their own words as far as practicable.] Group-A (Multiple Choice Type Question) 1 x 15=15 1. Choose the correct alternative from the following: (i) Identify the input device. a) Key board b) Speaker c) Monitor d) Printer (ii) Identify the output device. a) Key board b) Mouse c) Scanner d) Speaker (iii) Select the secondary memory from the following. a) RAM b) Hard Disk d) DRAM c) SRAM (iv) Identify the main function of the computer's motherboard. a) To store data permanently b) To provide a platform for connecting all other components d) To manage network connections c) To process graphical data (v) Choose the generation of computers were integrated circuits (ICs) introduced. a) Second Generation b) Third Generation d) Fifth Generation c) Fourth Generation (vi) Identify the type of memory that is fastest but also the most expensive per unit of storage. b) Random Access Memory (RAM) a) Hard Disk Drive (HDD) d) Solid-State Drive (SSD) c) Cache Memory (vii) Select the correct symbol for taking input in the flowchart. b) Circle a) Square

c) Parallelogram

a) logical

(viii) Select the type of error-Missing semi-colon (;) in program.

d) Rectangle

b) syntax

c) grammar (ix) Select the equivalent decimal of the binar	d) semantic v number 1010cfrom the bel	Ow Ontions
a) 8	b) 10	ow options.
c) 12	d) 14	
(x) Choose the correct base for hexadecimal		Owing
		owing.
a) 2	b) 10	
c) 8	d) 16	
(xi) Choose the universal gate from the follow	ring	
a) AND	b) NAND	
c) EX-OR	d) Ex-NOR	
(xii) Indicate the correct one of 2's compleme	nt of 0101	
a) 1010	b) 1011	
c) 1100	d) 1001	
(xiii) Identify Which of the following is applied		_
		c.
a) ,	b);	
c) \	d):	Library
(xiv) Select an example of post increment	300 B	rainware University amkrishnapur Road, Barasat
a) w++	b) ++w	amkrishnapur Road, Barasat
c) w	d)w	kata, West Bengal-700125
(xv) Select best the use of break keyword		
a)	b) Skip the current ite	eration and move to next
^{a)} End the loop when encountered	iteration	
c) Terminate the program	d) All of these	
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	Group-B	
(Short Ans	swer Type Questions)	3 x 5=15
Johotevins	wer type Questions,	3 x 3-13
2. Fundain Iffaurahanti in Consequencian		(2)
2. Explain 'Flowchart' in C programming.		(3)
3. Explain the function of "break" statement in C programming.		(3)
4. Illustrate the basic functions of computer.		(3)
5. Describe general architecture of computer.		(3)
6. Deduce the syntax and flowchart of "ifelse		(3)
Deduce the content of llowith accelletations	OR	(2)
Deduce the syntax of "switch case" stateme	ent in C programming.	(3)
	Group-C	
(Long Ans	wer Type Questions)	5 x 6=30
7. Describe different types of error in progra	mming.	(5)
8. State the key characteristics that define ea	_	
fifth.	, and generalized a comparation,	
9. Explain the types of operating systems and	how they differ from one ar	nother. (5)
10. 'NOR' gate is called 'Universal Gate'-justify with proper logic. (5)		
20. Non Bate is dance of recisal date justily	broker jobier	(5)
11. Illustrate the two laws of De-Morgan's the	orem.	(5)
12. Illustrate what is the Boolean data type, a	nd what are its two possible	values? (5)
	OR	

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