## END SEMESTER EXAMINATION \_2019

Semester: 3rd

Subject Code: IT-301

## INFORMATION TECHNOLOGY

Full Marks -70

Time - Three hours

The figures in the margin indicate full marks for the questions.

## **Instructions:**

- 1. Questions on PART A are compulsory.
- 2. Answer any five questions from PART B.

## PART - A

1.	Fill	in the blanks: $1 \times 10 = 10$
12.	(a)	——— invented the super computer.
	(b)	A computer can be classified into ———generations.
	(c)	UNIVAC stands for ———.
	(d)	URL stands for ———.

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CENTRAL INST

$\Theta$
Which of the following is not a search engine?
(v)
$\equiv$
$\odot$
The basic as developed by
Choose the correct answer:
The type of ROM electrically is EROM.
The
An
output.
Any

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٠,	other bases.			4	gital audio.	Write a note on digital audio.		(c)	
1010111001.10 to	Convert binary number 1010101111001.10 to	9		ω	1.0				
I codes? 4	What are BCD and ASCII codes?	(a)	, <b>®</b>	rmation.	n data and info	Differentiate between data and information.		(b)	
				2	ssing?	What is data processing?		· (a)	4.
4	hierarchy.				;	- CVIDIAI			
ain the memory	Draw and briefly explain	<u>©</u>			B	PART – B			
ü	static RAM.		(13		Girl, British Jo				
namic RAM and	Differentiate between dynamic RAM and	(b)	CENTRON INSTITUTE OF	# (SEN	erface.	(IV) Graph Oser Interface.	9		
2	Define cache memory.	(a)	TECHN	ENTRA	Interface	(iii) Graph Unique Interface			
. 2	what is entropy?	3	101.064	AL LIB,	ıl Interface	(ii) Graph Universal Interface	(i		
			Constitution of the second	ares .	rface	) Graph Use Interface	(i)		
4	with example.				Con open political	GUI stands for		(e)	
coding algorithm	Explain about Huffman coding algorithm	9				111 -1 6			1 50
ú	meula :				(iv) Logging	(iii) Authentication	(i)		
needed in digital	Why is data compression needed in digital	(a)	0.	bility	(ii) Accessibility	(i) Configuration	(i		
3	rectangle.			password	gin name and	Verification of a login name and password is known as	(d) V	(	
a flowchart to find perimeter of a	Draw a flowchart to fu	<u>©</u>	V	f these	(iv) None of these	(iii) Transistor	0		
1 types. 4	Explain its functions and types.	(b)			(ii) VLSI	(i) LSI	. (		
stem? 2	What is an operating system?	(a)	5.	s based on	of computer wa	Second generation of computer was based on which technology?	(c) vi S	•	

- 9. (a) Write three differences between router and gateway.
  - (b) What are communication channels in networking? List two transmission media.
- 10. What is a program? Explain about the each phases of a program development cycle. 2+7=9



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