## Suditi Global Academy, Mainpuri Sample Question Paper Class: XI Session: 2021-22 Computer Science (Code 083) (Term-1)

Maximum Marks: 35 Time Allowed: 90 Minutes

General Instructions:

a) RAM

b) Static RAM

Q19. What is the full form of CRT?

a) Cathode ray technology

•	The	que	stion	paper	is di	vided	into	3 S	ectio	ns - A,	B an	d C.
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- Section A, consist of 25 Questions (1-25). Attempt any 20 questions.
- Section B, consist of 24 Questions (26-49). Attempt any 20 questions.
- Section C, consist of 6 case study based Questions (50-55). Attempt any 5 questions.
- All questions carry equal marks.

## Section-A

Q3. How many bits are in 1 byte?												
Q3.       How many bits are in 1 byte?       1024       b) 10       c) 8       d) 1         Q4.       How real numbers are stored by the computer?       a) Floating Point Representation using Mantissa and Exponent         b) ASCLL       c) Binary       d) Floating Boat Representation         Q5.       How many unique symbols in the Hexadecimal number system?         a) 16       c) 10         b) 12       d) 8         Q6.       How many bytes are in 1 kilobyte?         a) 90       c) 8         b) 145       d) 1024         Q7.       IQ of a computer is —         a) 1024       c) 0         b) 365       d) 265         Q8.       The ALU performs which arithmetical operation?         a) (+, -, *, 1)       c) (<, >, =, > =, < >)         b) (&,    .8&)       d) All of these         e)       Q9.         Smallest unit of memory is?       a) Bit       c) Kilobyte         b) Megabyte       d) byte         Q10.       How many bit form a byte?       d) byte         q10.       How many bit form a byte?       e) F8         b) 16 bit       d) 4 bi         Q11.       Which one of the following keys is used to refresh the active window?         a) F5 <td< td=""><td>4040</td></td<>	4040											
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a) Zip Disk c) Hard Disk												
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b) CD ROM d) Floppy Disk												
Q15. Firewire is a :												
a) Microsoft computer c) Android computer												
b) Apple computer d) None of these												
Q16. Which one is a non – impact printer?												
a) Drum printer c) Thermal printer												
b) Dot printer d) Line printer												
Q17. A microprocessor is also known as :												
a) GPU c) CPU												
b) Harddisk d) None of these												
Q18. Which device permanently store memory?												

c) ROM

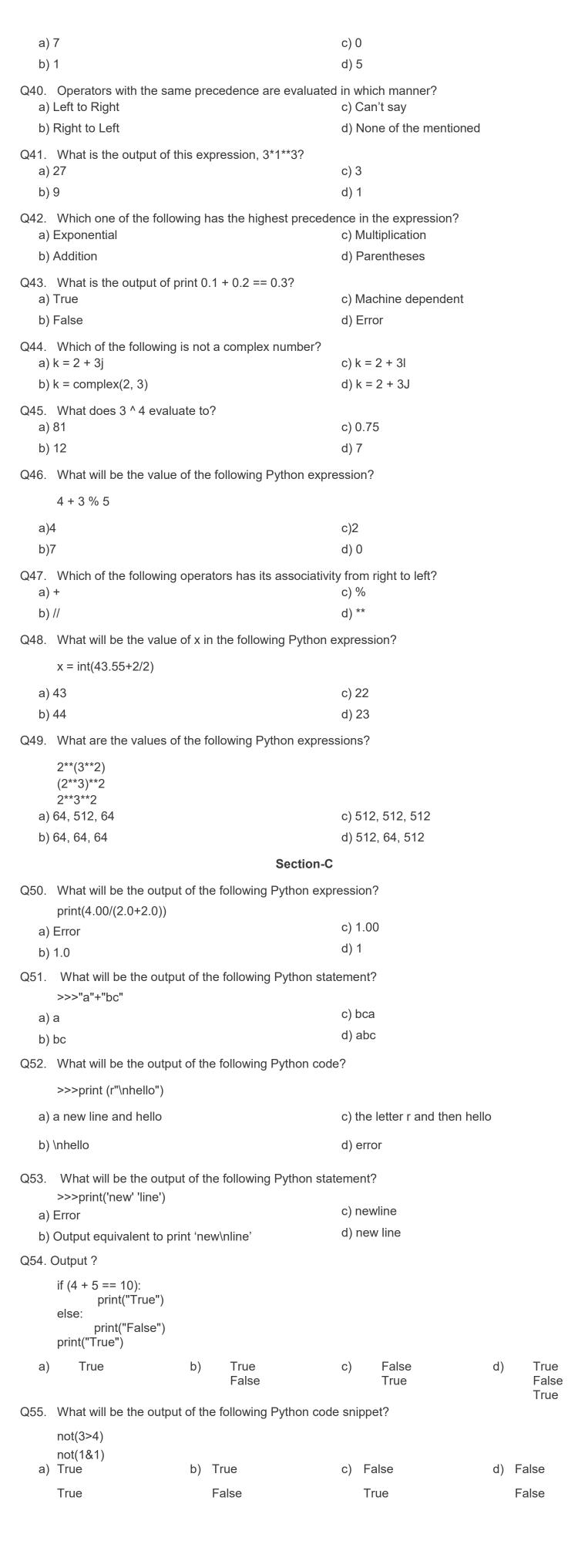
d) None of these

b) Cathode ray tube

Q20.	Which of the following does not represent an I O de	vice	e?
a)			
b)	ALU	d)	CPU
c)	Mouse	e)	Speaker which beeps
Q21.	Who can display information on a computer?		
a)	Screen	c)	Both a and b
b)	Monitor	d)	None of these
Q22.	Which one is an output device?		
a)	Monitors	c)	Mouse
b)	Microphone	d)	Keyboard
Q23.	The input unit is responsible for accepting –		
a)	Output	c)	Input
b)	Input and Output	d)	None of these
	An organized way of representing numbers is called	:	
a)	Character System	c)	Integer System
,	Number system	,	None of these
	How real numbers are stored by the computer?	,	
a)	Floating Point Representation using	c)	Binary
۵٫	Mantissa and Exponent	,	Floating Boat Representation
b)	ASCLL	u)	Trouting Boat Reproduction
	Section-B		
Q26.	Is Python case sensitive when dealing with identifie	rs?	
a)	yes	,	machine dependent
b)	No	d)	none of the mentioned
Q27.	What is the maximum possible length of an identifie	r?	
a)	31 characters	c)	79 characters
b)	63 characters	d)	none of the mentioned
	Which of the following is invalid?	,	
,	_a = 1	,	str = 1
,	a = 1	a)	none of the mentioned
	Which of the following is an invalid variable? my_string_1	c)	foo
•	1st_string	d)	
·	All keywords in Python are in	,	_
	lower case	c)	Capitalized
b)	UPPER CASE	d)	None of the mentioned
	Which of the following is an invalid statement?		
,	abc = 1,000,000	,	a,b,c = 1000, 2000, 3000
	a b c = 1000 2000 3000	d)	a_b_c = 1,000,000
	Which of the following is not a keyword? eval	c)	nonlocal
•	assert	,	pass
,	What will be the output of the following Python code	·	•
QUU.	>>>str="hello"		
	>>>print(str)		
a)	He	c)	Olleh
b)	Lo	d)	Hello
	What is the return type of function id?	,	
a)		,	bool
·	float	,	dict
Q35.	What is the average value of the following Python	cod	e snippet?
	>>>grade1 = 80 >>>grade2 = 90		
	>>>average = (grade1 + grade2) / 2	c)	95.0
•	85.0	,	95.1
,	85.1	u)	00.1
Q36.	Select option that print. hello-how-are-you		
•	print('hello', 'how', 'are', 'you')	, -	orint('hello-'+'how-are-you')
,,	orint('hello','how','are','you'+'-'*4)	d)	print('hello'+'-'+'how'+'-'+'are'+'you')
	Which is the correct operator for power(x <sup>y</sup> )?	~)	X^^v
•	X^y X**y	,	None of the mentioned
,	Which one of these is floor division?	-1	
(38)		c)	%
b)	II	d)	None of the mentioned
Q39.	What is the answer to this expression, 22 % 3 is?		

d) Current ray tube

c) Current ray technology



## Computer Science Class XI Syllabus

- Basic Computer Organization: Introduction to computer system, hardware, software, input device, output device, CPU, memory (primary, cache and secondary), units of memory (Bit, Byte, KB, MB, GB, TB, PB)
- Types of software: system software (operating systems, system utilities, device drivers), programming tools and language translators (assembler, compiler & interpreter), application software
- Operating system (OS): functions of operating system, OS user interface
- Number system: Binary, Octal, Decimal and Hexadecimal number system; conversion between number systems.
- Introduction to problem solving: Steps for problem solving (analyzing the problem, developing an algorithm, coding, testing and debugging). representation of algorithms using flow chart and pseudo code, decomposition
- Familiarization with the basics of Python programming: Introduction to Python, features of Python, executing a simple "hello world" program, execution modes: interactive mode and script mode, Python character set, Python tokens (keyword, identifier, literal, operator, punctuator), variables,
- Knowledge of data types: number (integer, floating point, complex), Boolean, sequence (string, list, tuple), none, mapping (dictionary), mutable and immutable data types
- Operators: arithmetic operators, relational operators, logical operators, assignment operator, augmented assignment operators, identity operators (is, is not), membership operators (in, not in)
- Expressions, statement, type conversion & input/output: precedence of operators, expression, evaluation of expression, python statement, type conversion (explicit & implicit conversion), accepting data as input from the console and displaying output