



BRAINWARE UNIVERSITY

Term End Examination 2022 Programme – B.Sc.(MM)-Hons-2019/B.Sc.(AM)-Hons-2020 Course Name – Web Programming Course Code - BMMD501B (Semester V)

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 which of the following structures are used in computer programming? a) Sequential b) decision c) Timesharing d) None of these (ii) Define Which of the following will give error? a) a=b=c=1 b) a,b,c=1 c) a,b,c=1, "python", 1.5 d) None of these (iii) Analyze which is the correct operator for power(xy)? a) X^v c) X^^v d) None of the mentioned (iv) Describe the indentation in a program is a) Improves its reliability and understanding. b) Is compulsory. c) Both a & b d) None of these (v) Explain a system program that combines the separately compiled modules of a program into a form suitable for execution? a) Assembler b) Linking loader d) Load and Go c) Cross compiler (vi) Explain the linker is b) required to create a load module a) same as the loader c) always used before programs are executed d) None of above (vii) Explain diagrammatic representation of an algorithm is? a) Data flow diagram. b) Flowchart. c) Algorithm Design d) Pseudo code. (viii) Write what is the output of this expression, 3*1**3? a) 27 b) 9 d) 1 (ix) Explain in a flowchart a calculation (process) is represented by

b) A rhombus

d) A circle(N)

Page 1 of 2

a) A rectangle

c) A parallelogram

(x)	Describe structured Programming is?			
	a) Dividing the program into different program modules.	b) Using structures in the program.		
(xi)	c) Using classes in the program. d) None of these. Choose suppose t = (1, 2, 4, 3), which of the following is correct?			
	a) print(t[3])	b) t[3] = 45		
	c) Both (a) and (b)	d) None of These		
(xii)	xii) Explain an algorithm represented in form of programming language is			
	a) Flowchart	b) Pseudo Code		
	c) Program	d) None of these.		
(xiii	(xiii) Write If a='cpp', b='buzz' then which of the following operation would show 'cppbuzz' as output?			
	a) a+b	b) a+"+b		
	c) a+""+b	d) All of these		
(xiv) Explain suppose you are using a grid manager then which option is best suitable to place a component in multiple rows and columns?				
	a) Columnspan and rowspan	b) Only row		
, ,	c) Only column	d) Only rowspan		
(xv) Choose Which of the functions will return 4 on the set s = {3, 4, 1, 2}?				
	a) Sum(s)	b) Len(s)		
	c) Max(s)	d) Both Len(s) & Max(s)		
Group-B				
(Short Answer Type Questions) 3 x 5=1!				
	`	,		
2. Choose what are the 3 types of loops in Python?			(3)	
3. Explain what are Booleans in Python?			(3)	
4. Choose what are the types of data in Python?			(3)	
5. Analyze what are Python operators?			(3)	
6. Describe what is SYS package in Python?			(3)	
OR Explain what are the types of OOPs in Python?			(2)	
_	xplain what are the types of OOPs in Fython:		(3)	
Group-C				
	(Long Answer Ty	pe Questions)	5 x 6=30	
7.	Analyze the difference between logical and bitwi	se operators.	(5)	
8.	. Write a program in python to check if a given year is leap year or not. (
			(5)	
			(5)	
11. Explain write down the difference between logical and bitwise operators.			(5)	
	12. Describe a formal approach to defining a problem and construct a defining diagram with (5) example.			
OR				
	Identify what is the differences between Python	2.x and Python 3.x with examples?	(5)	

Page 2 of 2