Ramaiah Institute of Technology (Autonomous Institute, Affiliated to VTU)

Department of Computer Science and Engineering

Programme: B.E. Course : Principles of Programming Using C CIE: Test II

Time: 1Hr

Term: Nov-March 2023 CourseCode:PPC18 Section: A to J

Portions for Test: 1.16-28

Instructions to Candidates:

Max Marks: 30

Date: 13/03/2023

- Answer two full questions. Question one is compulsory.
- 2. Each Question carries 15Marks.
- Mobiles, smart watches or any electronic gadgets are strictly banned.

SI#	Question	Marks	Bloom's Level	CO Mapping
1 a)	A. What would be printed from the following programblock? #include <stdio.h> #include <string.h> int main() { char s1[50]="xyzt"; char s2[50]="xyzt"; int dif; dif=strcmp(s1,s2); printf("\n%d",dif); return 0; } B. Variable defined within a block have a global scope. a. true b. false C. A structure variable is used to declare a typ containing multiple fields. c. true d. false</string.h></stdio.h>	02M		
	D. The Operator is used with a pointer to dereference the address contained in the pointer. a. address(&) b. assignment(=) c. indirection(*) d. pointer(^) e. selection(->)	01M		
b) .	Explain user defined function declaration and definition with a example.		L2 L2	CO3
c)	Discuss the structure type declaration and initialization with a example.	n volvi	1.2	

What would be printed from the following program block?		block?	0.314	1,3	() / ,
#include stdo.n int main() { char c[] = "welcome to M S Ramaiah Institute of technology"; char *p; mt i; fortp=&c[5]; p>=&c[0]; p) printf("oc", *p); printf("n"); fortp=c(5,i=0; p>=c; p-,i++) printf("oc", *(p:i)); } b) Illustrate storage class specifiers in C programming with an example. c) Write a C program to swap two numbers using call by value and call by reference. d) What would be printed from the following program block? #include-stdio.h> int main() { int a = 7; int b = 9; int *p=&a int *q=&b printf("%d\n", ++a); printf("%d\n", ++(*p)); printf("%d\n", -(*q)); printf("%d\n", -(*q)); printf("%d\n", -(*q)); printf("%d\n", -(*q)); printf("%d\n", -(*q)); B) Explain enumerated types in C programming with an examples. c) Write a C program to read two string, concatenate them without d) O6M L2 COS		interior from the following program was			
#include station int main() { char c[] = "welcome to M S Ramaiah Institute of technology"; char *p; mt i; fortp=&c[5]; p>=&c[0], p) printf("oc", *p); printf("in"); fortp=c(5, i=0; p>=c; p-,i++) printf("oc", *(p-i)); } Illustrate storage class specifiers in C programming with an example. Write a C program to swap two numbers using call by value and call by reference. What would be printed from the following program block? include=stdio.h> int main() { int a = 7; int b = 9; int *p=&a int *p=&a int *q=&b printf("%d\n", ++a); printf("%d\n", ++(*p)); printf("%d\n",c*q)); printf("%d\n",c*q); printf("%d\n"	2 a)	What would be printed from the			
int main() { char c[] = "welcome to M S Ramaiah Institute of technology"; char *p. int i: for(p &c[5], p = &c[0], p =) printf("noc", *p), printf("noc", *(p-i)); for(p = c+5, i=0; p = c; p = ,i++) printf("noc", *(p-i)); } b) Illustrate storage class specifiers in C programming with an example. c) Write a C program to swap two numbers using call by value and call by reference. 3 a) What would be printed from the following program block? #include stdio.h int main() { int a = 7; int b = 9; int *p = &a int *p = &a int *q = &b printf("%d\n", ++a); printf("%d\n", ++(*p)); printf("%d\n",(*q)); printf("%d\n",(*p)); } b) Explain enumerated types in C programming with an examples. c) Write a C program to read two string, concatenate them without 6M L2 COS		#include stdio.h			
char c[] "welcome to M S Ramaiah Institute of technology . char *p, int i: fortp -&c[5], p&c[0], p) printf("m"): fortp -cc, i -0; p >-c; p, i ++) printf("ooc", *(p -1)); } b) Illustrate storage class specifiers in C programming with an oom l.2 cos example. c) Write a C program to swap two numbers using call by value and call by reference. d) What would be printed from the following program block? #include-stdio.h> int a = 7; int b = 9; int *p = &a int *q = &b printf("%d\u00fc\u	1	To a marin()			
char *p; int i; fortp=&c[5]: p>=&c[0]: p) printf("osc", *p); printf("osc", *p); printf("osc", *(p-i)); } b) Illustrate storage class specifiers in C programming with an example. c) Write a C program to swap two numbers using call by value and call by reference. What would be printed from the following program block? #include>stdio.h> int main() { int a = 7; int b = 9; int *p = &a int *q = &b printf("%d\n", ++(*p)); printf("%d\n",(*q)); printf("%d\n",(*q)); printf("%d\n",(*q)); printf("%d\n",b); } Explain enumerated types in C programming with an examples. Write a C program to read two string, concatenate them without Ohm L3 CO3 CO4 Vocation of the following program block? ### include>stdio.h> ### include>stdio.h> ### include>stdio.h> ### include>stdio.h> ### int *a = 7; ### int *p = &a ### int *a = 7; ### int *p = &a ### int *a = 7; ### int *p = &a ### in		int mano()			
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int i: fortp-&c[5]: p>-&c[0]: p>-) printf("n"): fortp-c+5. i=0; p>-c; p,i++) printf("oc", *(p-i)): } Bllustrate storage class specifiers in C programming with an cample. Write a C program to swap two numbers using call by value and call by reference. What would be printed from the following program block? #include-stdio.h> int main() { int a = 7: int b = 9; int *q=&b printf("%d\n", ++a); printf("%d\n", -+b); printf("%d\n",b); } Explain enumerated types in C programming with an examples. Write a C program to read two string, concatenate them without Write a C program to read two string, concatenate them without O6M L3 CO3		char c[]= Welcome w			
fortp=&c[5]: p = &c[0]: p=-) printf("noc", *p): printf("noc", *p): printf("noc", *(p-i)): fortp=c+5, i=0; p=-c; p,i++) printf("noc", *(p-i)): } B) Illustrate storage class specifiers in C programming with an example. c) Write a C program to swap two numbers using call by value and call by reference. 3 a) What would be printed from the following program block? #include <stdio.h> int main() { int a = 7; int b = 9; int *p = &a int *q=&b printf("%d'u", ++a); printf("%d'u", ++(*p)); printf("%d'u",(*q)); printf("%d'u",(*q)); printf("%d'u",(*q)); printf("%d'u",b); } b) Explain enumerated types in C programming with an examples. c) Write a C program to read two string, concatenate them without cost</stdio.h>		char *p;			
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fortp=c+5, i=0; p>=c; p=-i, r+7) printf("%ac", *(p-i)); } B) Illustrate storage class specifiers in C programming with an example. C) Write a C program to swap two numbers using call by value and call by reference. 3 a) What would be printed from the following program block? #include <stdio.h> int main() { int a = 7; int b = 9; int *p =&a int *q=&b printf("%d\n", ++a); printf("%d\n", ++(*p)); printf("%d\n",(*q)); printf("%d\n",b); } b) Explain enumerated types in C programming with an examples. 6 Write a C program to read two string, concatenate them without 7 CO3 1.3 CO4 1.4 CO5 1.5 CO5 1.5 CO5 1.6 Write a C program to read two string, concatenate them without 1.7 CO5 1.8 CO5</stdio.h>		· · · · · · · · · · · · · · · · · · ·			
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b) Explain enumerated types in C programming with an examples. COS Write a C program to read two string, concatenate them without COS COS		1			
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Explain enumerated types in C programming with an examples. CO3 Write a C program to read two string, concatenate them without		}	06M	L.2	CO5
c) Write a C program to read two string, concatenate them without 06M L3 CO3	b)	Explain enumerated types in C programming with an examples.	UUIVI	22	
Write a C program to read two string, concatenate them without			06M	L3	CO3
using built-in functions.	(c)				
		using built-in functions.			

Course Outcomes meant to be assessed by the IA Test: CO3, CO4& CO5

- 1. Explore Arrays and User-Defined Functions in Implementing Solutions to Real world Problems
- 2. Illustrate the usage of Storage Classes, Strings and Pointers in Problem Solving.
- Demonstrate the use of Modular Programming Constructs involving Files, Structure & Unions