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PES University, Bangalore
(Established under Karnataka Act No. 16 of 2013)

UE15CS151

END SEMESTER ASSESSMENT (ESA) B.Tech 2nd SEMESTER
Summer - July 2016

UE15CS151 Problem Solving with C

Time: 03 Hrs.
Marks: 100.

Answer All Questions

Max

1	a	Mention various data types available in C language along with an example.	04
	b	<p>What is the output of the following programs?</p> <p>i) <code>#include <stdio.h></code> <code>int main()</code> <code>{</code> <code> int x = 2;</code> <code> int arr[] = {1, 2, 3};</code> <code> switch (x)</code> <code> {</code> <code> case arr[0]: printf("Choice 1\n");</code> <code> case arr[1]: printf("Choice 2\n");</code> <code> case arr[2]: printf("Choice 3\n");</code> <code> }</code> <code> return 0;</code> <code>}</code></p> <p>ii) <code>int main()</code> <code>{</code> <code> int i = 0;</code> <code> for(i = 0; i < 3; i++)</code> <code> {</code> <code> printf("loop ");</code> <code> break;</code> <code> }</code> <code> return 0;</code> <code>}</code></p> <p>iii) <code>int main()</code> <code>{</code> <code> int i = 0;</code> <code> while(i < 3)</code> <code> {</code> <code> printf("loop");</code> <code> continue;</code> <code> i++;</code> <code> }</code> <code> return 0;</code> <code>}</code></p>	3*2=6
	c	Explain different storage classes available for variables in C.	10
2	a	<p>Write pointer expressions for the following:-</p> <p>i) Pointer variable holding the reference of integer type of data, points to the same integral variable throughout the program.</p>	2*2=4

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