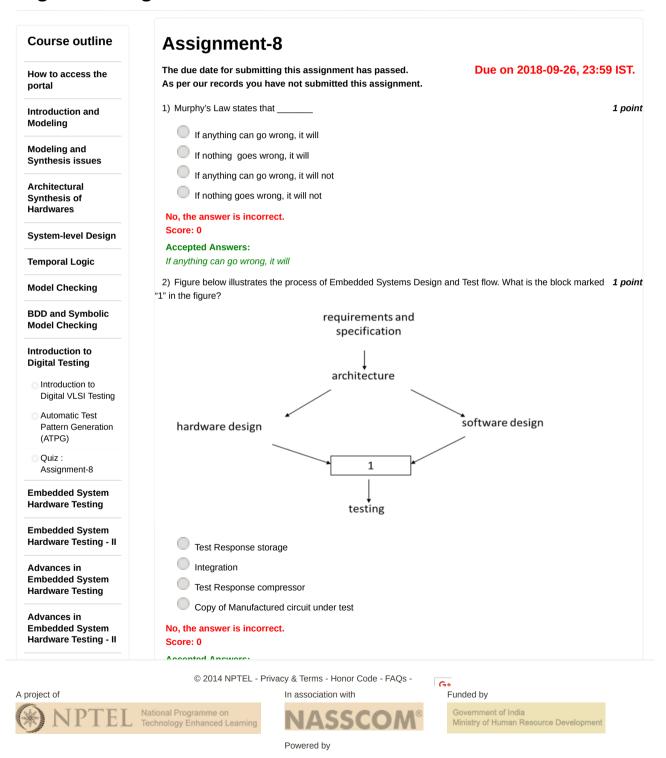
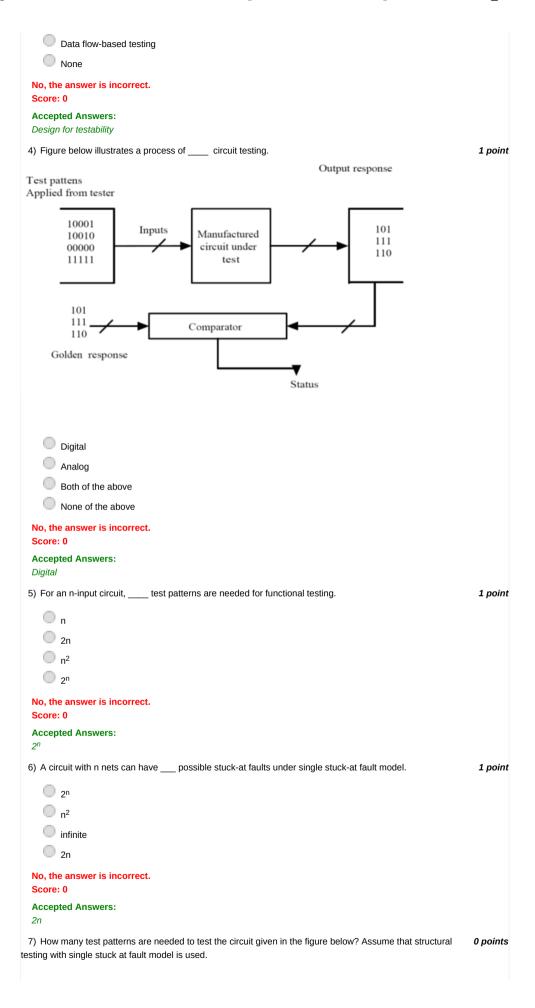
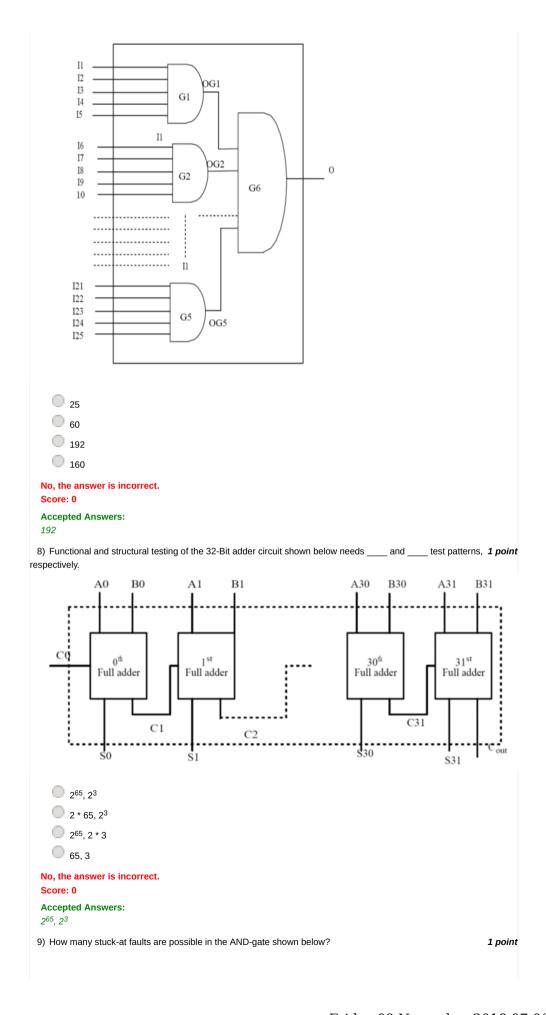


## Unit 9 - Introduction to Digital Testing









$ \begin{array}{c cccc}  & & & & & & & \\  & & & & & & \\  & & & &$	
6 12 11 10 No, the answer is incorrect.	
Score: 0 Accepted Answers:	
12	
10)A net having fan-out to k gates will have stuck at fault locations  k+1 k-1 2k None	1 point
No, the answer is incorrect. Score: 0 Accepted Answers:	
k+1	
11)Which of the following statement is generally valid for a circuit?	1 noint
11)Which of the following statement is generally valid for a circuit?	1 point
All faults are "easy to test"	1 point
All faults are "easy to test" All faults are "difficult to test"	1 point
All faults are "easy to test"	1 point
All faults are "easy to test"  All faults are "difficult to test"  Few faults are "easy to test" and most others are "difficult to test"	1 point
All faults are "easy to test" All faults are "difficult to test" Few faults are "easy to test" and most others are "difficult to test" Most faults are "easy to test" and few are "difficult to test" No, the answer is incorrect.	1 point
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No, th	e answer is inc	correct.						
Accep	oted Answers: tization–propaga	ation -justific	ation approad	ch				
14)Let (	us consider a 2-	input AND g	ates shown i	n figure below	where the inpu	ıts are mar	ked using notati	ons <b>1</b> point
from Rotl	h's 5-valued alg	jebra. What i	s the output r	notation at the	? marked net i	.e., output	of gate G1?	
	1							
I1	1	G1	? (Norn	nal: 1, Fault: 0)		0		
12		-	/ O1 (s-a-0	))	I1 (s <u>-a-1)</u>			(Normal: X, Faul
	0				I2	X	G3 C	01
I1		G2	? (Nom	nal: 0, Fault: 1)				
12		رة إ—	O1 (s-a-1	1)				
_								
0	-							
	1							
0								
0	Х							
	e answer is in	correct.						
Score								
D	oted Answers:							
15)Con	sider figure of C	Duestion 14.	What is the c	output notation	at the ? marke	d net i.e.,	output of gate G	2? <b>1 point</b>
						,	J	,
_	0							
	D							
0	D							
	Χ							
No, th Score	e answer is inc : 0	correct.						
Accep $\overline{D}$	oted Answers:							
16)Con	sider figure of C	Question 14.	What is the c	output notation	at the ? marke	d net i.e.,	output of gate G	3? <b>1 point</b>
0	0							
0								
0								
0								
Score	e answer is inc : 0	correct.						
	oted Answers:							
X								
								h. The 1 point
	abelled as 1, 2, i led with 1 is		of the path a	re assigned in	terms of Roth's	s 5 valued	algebra. The sig	gnal value of the
		<del>.</del>						

