

## ALBERTA FOREST PRODUCTS ASSOCIATION 900, 10707 100<sup>th</sup> Avenue EDMONTON, ALBERTA T5J 3M1

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## A.F.P.A. FALL 2020 & SPRING 2021 GRADE EXAM

Nan	Name:		Date:	Date:			
Con	npany:		Location:	Location:			
Mar	k the answer you choo	se with an <b>[X</b> ]. ONLY ONE	ANSWER PER QUEST	ION PLEASE!			
1.	The portion of a brand	ch or limb cut through by a	saw, results in what type	e of defect?			
	[ ] Checks	[ ] Splits	[ ] Knots	[ ] Warp			
2.	What piece of informa	ation is <b>NOT</b> required to be	on a Grade Stamp:				
	[ ]CLSAB	[ ] NLGA	[ ] Species	[ ] Grade			
3.	An indication that a pi	ece of lumber contains <b>SL</b>	OPE of GRAIN is?				
	[ ] Twist	[ ] Cup	[ ] Shake	[ ] Decay			
4.	Which Specie is being	g attacked by "Mountain Pi	ne Beetle"?				
	[ ] Tamarack	[ ] Lodgepole Pine	[ ] White Spruce	[ ] Douglas Fir			
5.	Which of the following	g species is a Hardwood?					
	[ ] Black Spruce	[ ] Douglas Fir	[ ] Tamarack	[ ] Aspen			

6-9. Match the category name with the correct NLGA paragraph number. (e.g.			
a)	Economy	6.	Para. 122
b)	Light Framing	0.	
c)	MSR	7.	Para. 121
d)	Structural Joist & Planks	8.	Para. 124
e)	Stud	0.	
f)	#3	9.	Para. 122e

Marl	Mark the following <b>DEFECTS</b> under the correct <b>CLASSIFICATION</b> :						
	Defect	Natural	Manufacturing	Seasoning			
10.	Skip	[ ]	[ ]	[ ]			
11.	Crook	[ ]	[ ]	[ ]			
12.	Checks	[ ]	[ ]	[ ]			
13.	Shake	[ ]	[ ]	[ ]			

Mate	Match the following MANUFACTURING DEFECTS to the correct DEPTH CLASSIFICATION:							
	DEFECT	1/64"	1/32"	1/16"	1/8"	Over 1/8"		
14.	Very Heavy Offset	[ ]	[ ]	[ ]	[ ]	[ ]		
15.	Light Torn Grain	[ ]	[ ]	[ ]	[ ]	[ ]		
16.	Very Light Skip	[ ]	[ ]	[ ]	[ ]	[ ]		
17.	<b>Medium</b> Wavy Dressin	g [ ]	[]	[ ]	[ ]	[ ]		
Mar	Mark the correct dressed <b>THICKNESS</b> for the following:							
18.	<b>4</b> x 4 S-GRN HT	[ ] 3 1/2"	[ ] 3 3/4"	[	] 3 9/16"	[ ] 3 5/8"		
19.	1 x 6 S-DRY	[ ] 1/2"	[ ] 5/8"	]	] 3/4"	[ ] 25/32"		
20.	<b>3</b> x 12 KD-HT	[ ] 2 1/4"	[ ] 2 1/2"	[	] 3"	[ ] 2 3/4"		
21.	<b>2</b> x 12 S-GRN	[ ]2"	[ ] 1 3/4"	]	] 1 1/2"	[ ] 1 9/16""		

Mark the correct dressed <b>WIDTH</b> for the following:							
22.	2 x <b>12</b> S-GRN	[ ] 11 1/4"	[ ] 11 1/2"	[ ] 11 9/16"	[ ] 11 5/8"		
23.	2 x <b>6</b> S-GRN HT	[ ] 5 1/4"	[ ] 5 1/2"	[ ] 5 9/16"	[ ] 5 5/8"		
24.	3 x <b>8</b> S-DRY HT	[ ] 7 1/2	[ ] 7 9/16	[ ] 7 5/8"	[ ] 7 1/4"		
25.	4 x <b>4</b> KD-HT	[ ] 3 1/2"	[ ] 3 3/4"	[ ] 3 9/16"	[ ] 4"		

Mark the <b>Highest</b> grade of <b>Par.121 Stud</b> that allows the following for a <b>2 x 4 - 104 5/8</b> " long:					
	DEFECT	STUD	ECONOMY		
26.	Wane 1/2 thickness on the end	[ ]	[ ]		
27.	White Speck 100%	[ ]	[ ]		
28.	Decay 1/2 the cross section	[ ]	[ ]		
29.	Skip 1/16" on one edge full length	[ ]	[ ]		
30.	1 in 4 Slope of Grain	[ ]	[ ]		
31.	Split 1/3 the length	[ ]	[ ]		

Mark the **HIGHEST** grade of **Par. 122 Light Framing** that allows the following for a **2 x 4 - 16** feet long:

	DEFECT	CONSTRUCTION	STANDARD	UTILITY	ECONOMY
32.	1 in 6 Slope of Grain	[ ]	[ ]	[ ]	[ ]
33.	Three Face Shake	[ ]	[ ]	[ ]	[ ]
34.	Full length wane, <b>3/4</b> thickness	[ ]	[ ]	[ ]	[ ]
35.	Decay 1/3 the cross section	[ ]	[ ]	[ ]	[ ]
36.	Knot 2" on the edge of face	[ ]	[ ]	[ ]	[ ]
37.	Split 11/2 X Width	[ ]	[ ]	[ ]	[ ]
38.	Wane <b>completely</b> across the wide face on the end	[ ]	[ ]	[ ]	[ ]
39.	<b>Heavy</b> warp	[ ]	[ ]	[ ]	[ ]
40.	Surface shake 2'	[ ]	[ ]	[ ]	[ ]

Mark the **HIGHEST** grade of **Par. 124 Structural Light Framing and Joist & Planks** that allows the following in a **2 x 8-10** feet long:

	DEFECT	SEL STR	#1	#2	#3	NONE
41.	Wane 1/4 T x 1/4 W full length	[ ]	[ ]	[ ]	[ ]	[ ]
42.	100% Blue Stain	[ ]	[ ]	[ ]	[ ]	[ ]
43.	Surface Shake full length	[ ]	[ ]	[ ]	[ ]	[]
44.	Slope of Grain 1 in 10	[]	[ ]	[]	[ ]	[]
45.	Shake through the edge (3 face)	[ ]	[ ]	[ ]	[ ]	[ ]
46.	½ Medium Warp	[ ]	[ ]	[ ]	[ ]	[ ]
47.	Skip 1/16 inch deep full length	[ ]	[ ]	[ ]	[ ]	[ ]
48.	Hit & Miss Skip	[ ]	[ ]	[ ]	[ ]	[]
49.	Wane <b>1/3 T x 1/3 W</b> full length	[]	[ ]	[]	[ ]	[]
50.	Wane 3/4T x 3/4W Maximum Equiv.	[ ]	[ ]	[ ]	[ ]	[]
51.	Through Shake <b>2 feet</b> long	[ ]	[ ]	[ ]	[ ]	[ ]
52.	Edge Knot 3-1/2"	[ ]	[ ]	[ ]	[ ]	[ ]
53.	Split <b>12 inches</b> of the piece	[]	[ ]	[]	[ ]	[]
54.	Spike Knot <b>55%</b> displacement	[ ]	[ ]	[ ]	[ ]	[ ]
55.	Decay	[ ]	[ ]	[ ]	[ ]	[ ]
56.	100% Heart Stain	[ ]	[ ]	[ ]	[ ]	[ ]

