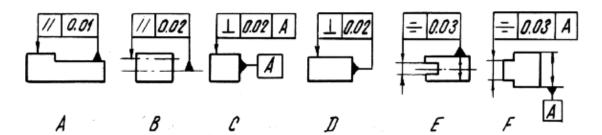
Questions for exam of course rate "Technology of mechanical engineering", part 1

Vame:	Gr	Date:
1. How to check and set	t the indicating hole gage	?
	are the gage blocks used ck combinations (for example)	1? Describe the procedure mple, 125.673 mm).
3 For what are the nurn	ooses limits gages used? F	Enumerate its principal kinds
3. To what are the purp		
4. Explain the following $-202 - 203/100$		[A] 0.02 = 0.02 \alpha 0.02
		E F G
Ā		
В		

C			
D	 	 	
E		 	
 F			
G			

5. Explain the following symbols:



A	 		
B			
C			
D			
E			
F			

E	De 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	4	symbols:	0.10	D	0.1 1	<u>@</u>
	A		В	C	1	D	1
_ A_							
B_							
$\frac{-}{C}$							
 D_							
	mplete the fo		g sentences:				
=							

3) The height of the profile roughness by ten points is
Rz =
8. How to measure a part (d=75.1 mm) by the method of relative measurements?
9. Define the minimum and maximum clearances for the fit 20H7/g6
10.Define the limiting interferences for the fit 80H7/s7
11.Define the limiting interference and clearance for the fit 50H7/n6
12.Define the deviations of limit gages to check the shaft and the hole of the f 30H7/g6.

12 Define limit diameters of a series and a nut for the thread junction M16 x 2
13.Define limit diameters of a screw and a nut for the thread junction M16 x 2-
7H/6g.
14. What does 7-6-7-Ca/V -128 mean?

Answer (question 12): 30H7 NOT-GO
$$\rightarrow$$
 30.023_{-0.004} mm 30H7GO \rightarrow 30.005_{-0.004} mm 30H7GO_{wear} \rightarrow 30.005_{-0.007} mm 30g6 NOT-GO \rightarrow 29.978^{+0.004} mm 30g6 GO \rightarrow 29.988^{+0.004} mm

$$30g6 \text{ GO} \rightarrow 29.988^{+0.004} \text{ mm}$$
 $30g6 \text{ GO}_{wear} \rightarrow 29.988^{+0.007} \text{ mm}$

Answer (question 13): $D_{min} = 16 \text{ mm}$

$$d = 16^{-0.038}_{-0.318} \text{ mm}$$

$$D_2 = 14.701^{+0.265} \text{ mm}$$

$$d_2 = 14.701^{-0.038}_{-0.163} \text{ mm}$$

$$D_1 = 13.835^{+0.475} \text{ mm}$$

$$d_{1max} = 13.707 \text{ mm}$$