

240

100

**I.**

A

( 1).

2).

( 3).

( 4)

8 ( 5).

27,66 % ( 6).

CO

NaOH,

2

).

KNO<sub>3</sub>

( 7). C

( 8).

A(CO)<sub>6</sub>,

w(A)=23,64 %,

200 °C,

-2

-4,

5 4

( 9 10).

1.

A.

2.

(10 ).

3.

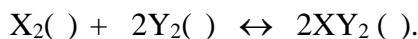
6,

4.

(20 )

**II.**

145 °C



( $\Delta G^0$ )

32

1.

~0,1

2.

?

3.

?

4.

10 %

?

5.

6.

2,7.

Ea, / ).

$\Delta G^0 = -RT \ln K;$

$\ln k = \ln A - Ea/RT;$

$\ln a - \ln b = \ln \frac{a}{b}.$

R – (8,31 / . ), – , k –  
, – , (20 ) .

**III.** ( , t. . 62 ° )  
,  
,  
t. . 77 ° , –

- 187 ° .
1. , ?
  2. , ?
  3. , (20 )

**IV.** (1 ) .

1. .
2. .
3. ? (17 )

**V.** ,  
·  $sp^3$ - . 23,7 % ,  
1. ?

2. ,
  3. 4,48 .
- . (23 )

2017 - 2018

11

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120

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30

I.

\_\_\_\_\_ : CuSO<sub>4</sub>; ; H l.