

PYQSide

NEET ALCOHOLS, PHENOLS AND ETHERS — REACTIONS OF ALCOHOLS INVOLVING C-O BOND — PYQS

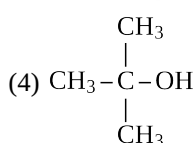
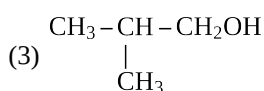
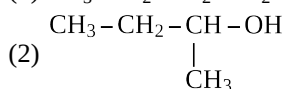
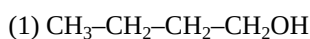
Max. Marks: 40

Questions: 10

Section A (MCQ)

Q.1 Which one of the following alcohols reacts instantaneously with Lucas reagent?

[NEET (UG) 2024]

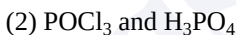


Scan or tap for the full solution



Q.2 The products A and B obtained in the following reactions, respectively, are
 $3\text{ROH} + \text{PCl}_3 \longrightarrow 3\text{RCl} + \text{A}$
 $\text{ROH} + \text{PCl}_5 \longrightarrow \text{RCl} + \text{HCl} + \text{B}$

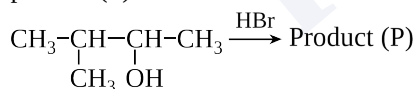
[NEET (UG) 2024]



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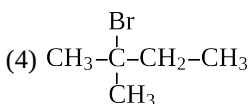
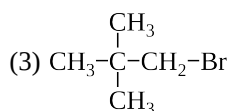
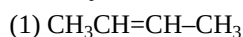


Q.3 Consider the following reaction and identify the product (P).



3-Methylbutan-2-ol

[NEET (UG) 2023]

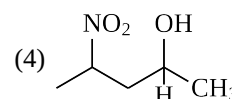
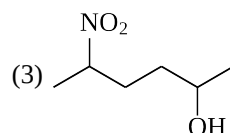
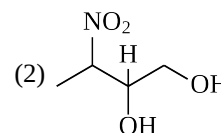
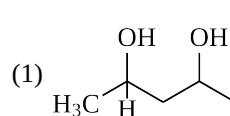


Scan or tap for the full solution



Q.4 Which amongst the following will be most readily dehydrated under acidic conditions?

[NEET (UG) 2023]



Scan or tap for the full solution



Q.5 Given below are two statements:

Statement-I: In Lucas test, primary, secondary and tertiary alcohols are distinguished on the basis of their reactivity with conc. $\text{HCl} + \text{ZnCl}_2$, known as Lucas Reagent.

Statement-II: Primary alcohols are most reactive and immediately produce turbidity at room temperature on reaction with Lucas Reagent.

In the light of the above statements, choose the most appropriate answer from the options given below:

[NEET (UG) 2022]

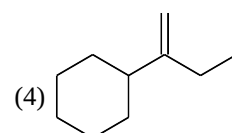
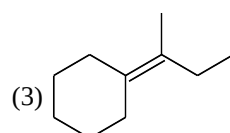
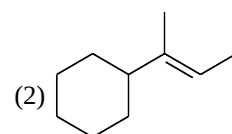
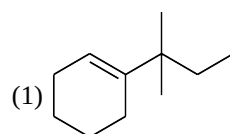
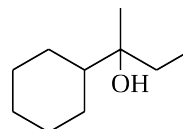
- (1) Both Statement-I and Statement-II are correct
- (2) Both Statement-I and Statement-II are incorrect
- (3) Statement-I is correct but Statement-II is incorrect
- (4) Statement-I is incorrect but Statement-II is correct

Scan or tap for the full solution



Q.6 Which of the following is not the product of dehydration of

[AIPMT 2015]

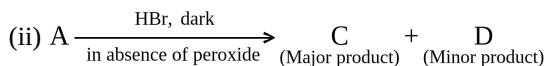
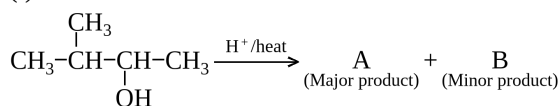


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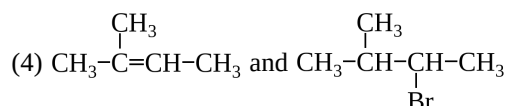
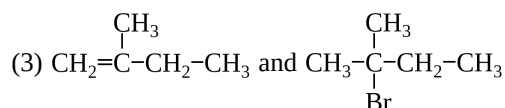
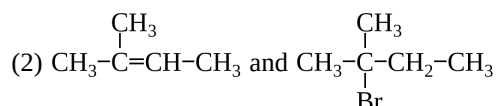
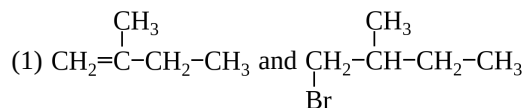
Q.7 In the following reactions,

(i)



the major products (A) and (C) are respectively

[AIPMT 2011 (Prelims)]



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Q.8 When glycerol is treated with excess of HI, it produces

[AIPMT 2010 (Mains)]

- (1) 2-iodopropane (2) allyl iodide
(3) propene (4) glycerol triiodide

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Q.9 The -OH group of an alcohol or the -COOH group of a carboxylic acid can be replaced by -Cl using

[AIPMT 2004]

- (1) phosphorus pentachloride
(2) hypochlorous acid
(3) chlorine
(4) hydrochloric acid

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Q.10 In preparation of alkene from alcohol using Al_2O_3 which is the effective factor?

[AIPMT 2001]

- (1) Porosity of Al_2O_3 (2) Temperature
(3) Concentration (4) Surface area of Al_2O_3

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	
Ans.	4	4	4	1	3	1	2	1	1	2	