Q1								
	Which statement about (CH ₃) ₂ CHCH ₂ COOH is correct?							
	Α	In aqueous solution it reacts wit	h magnesium to form					
		carbon dioxide.		0				
	В	It can form hydrogen bonds.		0				
	С	It has optical isomers.		0				
	D	It has the IUPAC name 2-methy	/lbutanoic acid.	0				
					(Total 1 mark)			
03	•							
Q2	Q2. Which compound forms a white precipitate when added to aqueous silver nitrate?							
	Α	bromoethane	0					
	В	ethanal	0					
	С	ethanoic anhydride	0					
	D	ethanoyl chloride	0					
					(Total 1 mark)			
03								
Q3. Which compound reacts with warm dilute aqueous sodium hydroxide?								
	٨	C ₆ H ₆						
	В	CH₃CH=CH₂	0					
	С	CH ₃ CH ₂ CH ₂ NH ₂	0					
	D	(CH ₃ CO) ₂ O	0					
					(Total 1 mark)			

$\mathbf{\cap}$	A
u	4.

Which reaction involves addition-elimination?

A $(CH_3)_2CHBr + KOH \rightarrow CH_3CH=CH_2 + KBr + H_2O$

 $\textbf{B} \quad \text{CH}_3\text{COCI} + \text{C}_6\text{H}_5\text{OH} \rightarrow \text{CH}_3\text{COOC}_6\text{H}_5 + \text{HCI} \qquad \bigcirc$

C $CH_3CH=CH_2 + CI_2 \rightarrow CH_3CHCICH_2CI$

D $CH_3CH_2CH_2Br + NaOH \rightarrow CH_3CH_2CH_2OH + NaBr$

(Total 1 mark)

Q5.

Which compound is formed when phenyl benzenecarboxylate is hydrolysed under acidic conditions?

A C₆H₅CH₂OH

B C₆H₅CHO ○

C C₆H₅COCH₃

D C₆H₅COOH

(Total 1 mark)

Q6.

Which compound is formed by acid hydrolysis of phenylmethyl ethanoate?

A C₆H₅CH₂OH

B C₆H₅CHO ○

C C₆H₅COCH₃

D C₆H₅COOH

(Total 1 mark)

Q7.						
A student is required to dry a liquid sample of pentanoic acid.						
Which drying agent is s	uitable?					
A Calcium oxide	0					
B Calcium sulfate	0					
C Potassium hydroxi	ide					
D Potassium carbona	ate O					
		(Total 1 mark)				
Q8. Which compound can be purified by forming a hot aqueous solution that recrystallises on cooling?						
A Cyclohexene	0					
B Ethanoic acid	0					
C Phenylamine	0					
D Benzoic acid	0					
		(Total 1 mark)				