Chemistry	10th Lahore Bo	ard 2017 F	Paper:
	OBJECTI	VE M	arks: 12
Time: 15 min.	(Group - I)		
1	- A SIII that circle	The choice w	allestion
number. U or filling tw that quest	rrect, fill that circle lse marker or pen to vo or more circles within	in front of that of that of that of the circles will result in zero	question . Cutting
number. U or filling tw that quest	Ise marker or pen to vo or more circles with the contract of the circles with the circles w	in front of that of that of that of the circles will result in zero	question . Cutting
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number. U or filling tw that quest	Ise marker or pen to or more circles with the circles with the cause of the cause of the circles with the ci	in front of that of fill the circles will result in zero deficiency of:	question . Cutting

(A) Hydrogenation

The general formula of alkanes is:

At sea level the boiling point of water is:

(C) Chlorination

(A) CnH2n + 1

(C) C_nH_{2n-1}

(A) 0°C

(C) 100°C

(B) Bromination

(D) Nitration

(B) CnH2n+3

(D) CnH2n-1

(B) 98°C

(D) 110°C

lin	ne: 1: 45 Hrs.	SUBJEC		Marks: 48
Che	mistry	10th Lahore E	Board 2017	Paper: II
	(C) Berzelliu	ıs (D)	Dalton	
	(A) Wohler	(B)	Rutherford	
2.	In laboratory.	urea was prep	ared first tim	e by:
	(C) Fuel oil	(D)	Petroleum (ether
	(A) Kerosen	e oil (B)	Lubricating	oil
1.	Which fraction	n of the followi		
	(C) Metallic		Coordinate	covalent
	(A) Ionic		Covalent	
	between the	adduct species	ie:	ni, ine bond
0.		ן (ט) f Lewis acid-t	Sulphuric a	
•	(C) Uric acid		Formic acid	
	(A) Citric aci			
hay a	batteries:	s used as an e	lectrolyte in	lead storage
}		. Taka ing katapatan kanalang katapatan kanalang 🛏 🕢 🗀	Sucrose	
	(C) Fructose	(B)	Glucose	
•	(A) Starch	ring lollowing I	s tasteless o	ompound:
	()			
	(C) Reverse	I equilibrium	(B) Static e	quilibrium
• -	(A) Chemica	l equilibrium	III be in:	
		(D) the reaction w	N ₂	
,	(C) CO	(B)	CO ⁵	
	(A) O ₃	교리를 하다 열등 없이 된 수를 하십시간 연극적으로	"다음식물에는 본러하는 12 시간이 다양다.	WALLET
•	radiations:		surface fro	m ultravioles
	Which gas p	rotects earth's	mol dm ⁻³	
	(C) mol dm ³		mol ⁻¹ dm ³	
•	(A) mol-1dm	3 (P)	ale:	

(SECTION - I) (Group - I)

- Write short answers to any FIVE questions: (2×5=10) 2, Define irreversible reaction.
- Define equilibrium state. ii.
- Give any two characteristics of reverse reaction. iii.
- Define organic compound. i∀.
- Give two characteristics properties of bases. ٧.
- What is conjugate acid? Define it. vi.
- Which acid is present in apples? vii.
- Define pH. What is the pH of pure water? viii.
- Write short answers to any FIVE questions: (2×5=10) 3.
- Write formula of carboxyl group. Give an example of carboxylic acid.
- What are aromatic compounds? Give an example. ii.
- iii. Write any two properties of homologous series.
- iv. Define hydro-carbons.
- Describe any two uses of methane and ethane. ٧.
- Give the characteristics of disaccharides (any two). Vi.
- How do you justify that the amino acids are the Vii. buildings blocks of proteins?
- Viii. Write two sources of vitamin D. 4.
- Write short answers to any FIVE questions: (2×5=10)
- Write two effects of global warming. ii.
- Describe primary pollutants and secondary iii.
- Point out two serious effects of ozone depletion. iv.
 - Write two properties of water.
 - What are dysentery and typhoid. ۷i.
 - Write name of raw materials which are used in Solvay's process.

viii. Write two	advantages of s mportant uses (SECTIO	of urea. N-II)	SS.
State expr	pt any TWO que the Law of Mession for equal reaction.	ass Action an	d derive the istant for a (5)
(b) Write Write alkar	four chemical per down any fivones.	re physical p	cid. (4) roperties of (4)
(a) Write	ribe any four us importance and ain the methods	d status of urea	a. (4)
wate			
	10th Lahore	Board 2017	Paper: II
Chemistry Time: 15 min.	10th Lahore OBJEC	TIVE	Marks: 12
Chemistry Time: 15 min. Note: You have question a think is conumber. Upon or filling two	10th Lahore OBJEC (Group re four choices as A, B, C and rect, fill that circ se marker or per o or more circle	TIVE II) for each object to the choice of the choice of the country of the circles will result in z	ective type which you nat question les. Cutting ero mark in
Chemistry Time: 15 min. Note: You have question a think is conumber. Use or filling two that question the units	10th Lahore OBJEC (Group e four choices is A, B, C and rect, fill that circ se marker or per o or more circle	TIVE II) for each object to the choice of the choice of the country of the circles will result in z	ective type which you nat question les. Cutting ero mark in
Chemistry Time: 15 min. Note: You have question a think is consumber. Use or filling two that question the balance of the bal	10th Lahore OBJEC (Group) Te four choices IS A, B, C and Trect, fill that circle To or more circle To on. of equilibrium of e equation. ANH are:	TIVE II) for each object to the choice of the choice of the country of the circles will result in z	ective type which you nat question les. Cutting ero mark in

2.	reactants and products	e(B)	TOLY ISSUED
	Madarate Kc Value	(U)	140110 01 111000
	Potassium ferrocyanide	M	C(OIV)6] 19.
3.	(A) Acidic salt	(B)	Dasic sail
	(C) Double salt	(D)	Complex salt
	The conjugate acid of h		is:
4.	(A) PO ₄ ³ -	1. 0.4 1.5	$H_2PO_4^{2-}$
	(C) H ₂ PO ₄	(D)	H ₃ PO ₄
5.	The molecular formula	for D	ecane is:
	(A) C ₁₀ H ₂₂	(B)	C ₁₀ H ₂₀
	(C) C ₁₀ H ₁₈	(D)	C ₁₀ H ₂₁
6.	The oxidation of alkene	s pro	oduce:
	(A) Glyoxal	(B)	
	(C) Oxalic acid	(D)	Formic acid
7.	The formula of stearic a	icid i	s:
	(A) C ₁₄ H ₃₁ COOH	(B)	C ₁₅ H ₃₁ COOH
	(C) C ₁₆ H ₃₁ COOH	(D)	C ₁₇ H ₃₅ COOH
8.	Night-blindness is beca	use (of deficiency of:
	(A) Vitamin A	(B)	Vitamin E
9.	(C) Vitamin C	(D)	Vitamin D
	Normally rainwater is w	eakly	y acidic because of:
	(A) SO ₃ gas	(B)	CO ₂ gas
10.	(C) SO ₂ gas	(D)	NO₂gas
	Specific heat capacity of (A) 4.2 KJg ⁻¹ K ⁻¹	f wa	ter is:
	(C) 2 d 1-1 1-1		4.2 Jg ⁻¹ K ⁻¹
11.	Temporary hards	(D)	2.4 KJg ⁻¹ K ⁻¹
	Temporary hardness of	wate	er is due to:
especial control (C)	year on the second of the seco	700.	Scanned by CamScanner

- (A) Ca(HCO₃)₂
- (B) CaCO₃

MgCO₃ (C)

12.

(D) MgSO₄

The composition of carbon in fuel oil is:

(A) C₇ to C₁₀

- (B) C₁₀ to C₁₀
- (C) C₁₃ to C₁₅

(D) C₁₅ to C₁₈

Chemistry	10th Lahore Board 2017	Paper: II
Time: 1: 45 Hrs	SUBJECTIVE	Marks: 48

(SECTION - I) (Gropu - II)

- Write short answers to any FIVE questions: (2×5=10) Define the Law of Mass Action.
- What do you mean by equilibrium constant? ii.
- Write two characteristics of forward reaction. ijί.
- How direction of a reaction can be predicted? iv.
- Why BF₃ behaves as a Lewis acid? ٧.
- Prove that water is an amphoteric species. ۷i.
- Define pH. What is pH of pure water? vii.
- How are the soluble salts recovered from water? VIII.
- Write short answers to any FIVE questions: (2×5=10) 3.
- Define Homocyclic compound.
- ij. Describe two isomers of C₅H₁₂.
- What are Alkyl radicals? Also write their general iii. formula.
- iv. Why the alkenes are called olefins?
- Write the equation for the hydrogenation of alkenes.
- How plants synthesize carbohydrates? Vi.
- Vii. Define hydrocarbons.
- Give the general formula of lipids. ⊻iii.
 - Write short answers to any FIVE questions: (2×5=10)
- Write percentage composition of atmosphere by

iii.	Defin	ne ozone and ozone hole.	*.
iv.	Defin	e soft water and hard water.	
٧	Give	chemistry of swimming pool cleanliness.	
vi.	Defin	ne gangue and metallurgy.	
vii.	How	Na ₂ CO ₃ is obtained from NaHCO ₃ ?	
viii.		ammonia is prepared by Haber's process?	
		(SECTION - II)	
Not	e:	Attempt any TWO questions:	
5.	(a)	What is the importance of equilib constant?	
	(b)	Write down the uses of following bases:	(5
() () ()	(i)	Sodium Hydroxide.	(5
	(ii)	Calcium Hydroxide.	, 4.
	(iii)	Magnesium Hydroxide.	
	(iv)	Aluminium Hydroxide.	
6.	(a)	Describe uses of Ethene.	(5)
		Write a note on mono-saccharides.	(4)
7.	(a)	Define refining and write a note on fract	3.0
ì.,		distillation of petroleum.	(5)
	(b)	Explain any two waterborne diseases. How	• • •
		these be prevented?	(4)

volume.

Give two effects of SO₂.