Unit Code: H033/01
Qual Name: AS Level Chemistry B
Qual Title: Foundations of chemistry

Question Set	Q. No	Total Marks	AO	Spec Ref.	Topic	Question Subject
1	1	14	1,2 and 3	DFd; ESo,p,q; OZe,f,g	Chemical equilibria, enthalpy change, rates	
1	2	15	1,2 and 3	DFk; ESo,p,q; OZ f	Rates and equilibria	
2	1	10	1,2	EL b,c,d,m,o,p,r,u	Formulae, Amount of substance, Group II	
2	2	16	1,2 and 3	EL b,c,d,s,t,w	Inorganic, spectra, amount of substance	
3	1	12	1,2 and 3	EL b; DF d,f; OZ f	Enthalpy change,	
3	2	15	1,2 and 3	DF a,f,g,k,l,m,r	Enthalpy change, Fuels, Organic structure	
3	3	11	1,2 and 3	DF h,i,j,o,q,r,t	Fuels, alkenes, reaction mechanisms	
4	1	14	1,2 and 3	OZ d; WM a,b,c,d,e	Organic structure, reactions and properties, intermolecular bonding	
4	2	12	1,2 and 3	EL b,d; WM c,e,f	Organic structure and properties, amount of substance	
4	3	8	1 and 2	EL i,k; DF c; ES o; OZ b	Molecular shape, electronegativity, equilibria, intermolecular bonding	
5	1	10	1,2 and 3	EL e,f,g,x; WM i,j	Atomic structure, analytical techniques	
5	2	12	1 and 2	EL e,f,i,k,v,x	Atomic structure, isotopes, dot and cross	
6	1	1	2	OZ k,l	Organic reactions	MCQ
6	2	1	1	WM c	Organic reactions	MCQ
6	3	1	2	EL d; WM h	Organic reactions	MCQ
6	4	1	1	WM b,c,d	Organic reactions	MCQ
6	5	1	1	DF o	Organic reactions	MCQ
6	6	1	1	OZ j,k	Organic reactions	MCQ
6	7	1	1	DF o	Organic reactions	MCQ
6	8	1	2	DF o	Organic reactions	MCQ
6	9	1	1	WM d	Organic reactions	MCQ
7	1	1	1	ES l,m	Halogens and halogen containing compounds	MCQ
7	2	1	1	ES k	Halogens and halogen containing compounds	MCQ
7	3	1	1	OZ n,o	Halogens and halogen containing compounds	MCQ
7	4	1	1	ES m	Halogens and halogen containing compounds	MCQ
7	5	1	1	ES l	Halogens and halogen containing compounds	MCQ

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7	6	1	1	ES h	Halogens and halogen containing compounds	MCQ
7	7	1	1	ES k	Halogens and halogen containing compounds	MCQ
7	8	1	1	ES m	Halogens and halogen containing compounds	MCQ
8	1	1	1	WM f	Preparatory techniques	MCQ
8	2	1	1	WM e	Preparatory techniques	MCQ
9	1	1	2	EL a	Amount of substance	MCQ
9	2	1	2	EL b; DF a	Amount of substance	MCQ
9	3	1	2	EL b,o	Amount of substance	MCQ
9	4	1	2	EL c	Amount of substance	MCQ
9	5	1	2	EL b	Amount of substance	MCQ
9	6	1	2	EL b	Amount of substance	MCQ
10	1	1	2	DF a	Volume of gas	MCQ
10	2	1	2	EL b; DF a	Volume of gas	MCQ
10	3	1	2	DF a	Volume of gas	MCQ
10	4	1	2	DF a	Volume of gas	MCQ
11	1	1	2	OZ d	Intermolecular forces	MCQ
11	2	1	2	OZ d	Intermolecular forces	MCQ
11	3	1	2	OZ c	Intermolecular forces	MCQ
11	4	1	2	OZ b,c	Intermolecular forces	MCQ
11	5	1	1	OZ b	Intermolecular forces	MCQ
11	6	1	2	OZ c	Intermolecular forces	MCQ
12	1	1	1	WM a	Organic structures	MCQ
12	2	1	1	DF l,m	Organic structures	MCQ
12	3	1	1	WM a	Organic structures	MCQ
12	4	1	1	DF l,m	Organic structures	MCQ
12	5	1	1	DF o	Mass spectra of organic molecules	MCQ
13	1	1	1	EL j	Ionic and metallic structures	MCQ
13	2	1	1	EL l	Ionic structures	MCQ
13	3	1	1	EL l	Ionic structures	MCQ
14	1	1	2	EL f	Atomic structure	MCQ
14	2	1	1	EL g	Atomic structure	MCQ
14	3	1	1	EL w	Spectra, flame colour	MCQ
15	1	1	1	ES a	Atom economy	MCQ

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15	2	1	1	WM g	Atom economy, green chemistry	MCQ
15	3	1	1	WM g	Green chemistry	MCQ
15	4	1	1	DF u	Environmental issue	MCQ
15	5	1	1	OZ r	Ozone, environment	MCQ
16	1	1	2	EL k	Shape of simple molecules	MCQ
16	2	1	2	EL i	Lone pairs in simple molecules	MCQ
16	3	1	1	OZ a	Electronegativity, bond polarity	MCQ
17	1	1	2	OZ e,o p	Radical reactions, activation enthalpy	MCQ
18	1	1	1	EL v	electromagnetic spectrum	MCQ
19	1	1	2	EL o	Inorganic chemical formulae	MCQ
19	2	1	2	ES e	Inorganic redox reactions	MCQ
19	3	1	1	ES c	Electrolysis in solution	MCQ
20	1	1	1	DF d	Exothermic reactions	MCQ