

# MILITARY COLLEGE MURREE ENTRANCE EXAM XI YEAR SYLLAUBUS AND TEST DESCRIPTION

- 1. 4 x hours exam of 200 marks will be based on the following parts /subjects:
  - a. Part- 1 English
  - b. Part -II Mathematics
  - c. Part-IIIPhysics
  - d. Part- IV Chemistry

## PART-I ENGLISH

## Test Description of English (50 Marks)

- 2. This part is divided into three sections:
  - a. <u>Section A Objective Type (15 Marks)</u>: Multiple choice items will be asked to measure candidates' ability in a specific content area. Multiple choice items will have a stem which asks aquestion, describes data or presents a situation. Four responses include a keyed correct response and three distractors or foils.MCQwill be based on:
    - (1) Text Book
    - (2) Use of prepositional/phrasal verbs
    - (3) Direct / Indirect narration
  - b. <u>Section B Short Question (15 Marks)</u>: Short-answer questions will be open-ended questions that require students to create an answer. They will be asked to assess the basic knowledge and understanding of a topic before more in-depth assessment questions are asked on the topic. Short questions will include:
    - (1) Answer in the light of the lesson from Text book e.g "It's a slow food in a world given over to fast food". Explain the statement picked up from the lesson "A World without Books".
    - (2) Write down the theme of poem
    - (3) Reading the stanza and answering the questions
  - c. <u>Section CTranslation & Composition (20 Marks)</u>: This section gives an opportunity to show how effectively a student can develop and express his ideas in writing. This section of paper will consist of 2translation questions and one OEQ (Open Ended Question ):-
    - (1) Urdu to English
    - (2) English to Urdu
    - (3) Picture Description
- 7. **English Syllabus:** Following contents comprise the syllabus:-
  - Hazrat Muhammad (SAW) an embodiment of justice

Chinese New

Try Again

an embodiment of justice First Aid

Year
➤ The Rain

Television vs Newspapers

Little by Little One walks

Peace

Selecting the Right Career

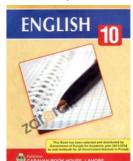
➤ A World Without Books

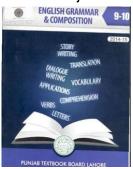
Great Expectations

### 8. Recommended Books

a. English 10: Caravan Book House, Lahore

b. English Grammar & Composition 9-10: Punjab Textbook Board, Lahore





#### **PART-II**

#### **MATHEMATICS**

# <u>Test Description of Mathematics (50 MARKS)</u>

- 9. This part is divided into three sections:
  - a. <u>Section A Objective Type (15 Marks)</u>: Multiple choice item will be asked to measure candidate ability with regard to a specific content area. A multiple choice item will have a stem which asks aquestion, describes data or presents a situation. Four responses include a keyed correct response and three distractors or foils. MCQ will be based on text book.
  - b. <u>Section B Short Question(15 Marks)</u>: Short-answer questions will be openended questions that require students to create an answer. They will be asked to assess the basic knowledge and understanding of a topic before more indepth assessment questions are asked on the topic.
  - c. <u>Section C Constructed Response Questions (20 Marks)</u>: This section will give an opportunity to show how effectively a student can develop and express his ideas in writing. This section of paper will consist of 4 CRQs (Constructed Response Questions).
- 10. Mathematics Syllabus: Following contents comprise the syllabus:-

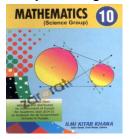
<u>watnem</u>	natics Syllabus: Following contents comprise the syllabus:-	
	Title of Chapter	Chapter
a.	Quadratic Equations	1
b.	Theory Of Quadratic Equations	2
C.	Variations	3
d.	Partial Fractions	4
e.	Sets And Functions	5
f.	Basic Statistics	6
g.	Introduction To Trigonometry	7
ĥ.	Theorems: Following statements of theorems comprise the syllab	ous: 8-11
	STATEMENTS	Chapter
	(1) In any triangle ,the square on the side opposite to acute a is equal to sum of the squares on the side containing that a angle diminished by twice the rectangle contain by one of the sides and the projection on it of the other.	ingle 8 icute
	(2) In an obtuse angled triangle, the square on the side opposithe obtuse angle is equal to the sum of the square on the containing the obtuse angle together with twice the rectain	side

contained by one of the sides and the projection on it of the

- other (3)In any triangle, the sum of the squares on any two sides is 9 equal to twice the square on half the third side together with twice the square on the median which bisects the third side. One and only one circle can pass through three non collinear 9 (4) points (5)A straight line, drawn from the center of a circle to bisect a 9 chord (which is not a diameter) is perpendicular to the chord Perpendicular from the center of a circle on a chord bisects it. (6)9 If two chords of a circle are congruent then they will be 9 (7) equidistant from the center Two chords of a circle equidistant from the center are 10 (8)congruent If a line is drawn perpendicular to a radial segment of a circle at (9)10 its outer end point it is tangent to the circle at the point The tangent to a circle and the radial segment joining the point (10)10 of contact and the center are perpendicular to each other. (11)Two tangent drawn to a circle from a point outside it 10 are equal in length. (12) If two circles touch externally then the distance between there 11 center is equal to the sum of their radii. If two circles touch each other internally ,then the point of 11 (13)contact lies on the line segment through there centers and distance between there centers is equal to the difference of their radii (14)If two arcs of a circle (or of congruent circles) are congruent 11 then the corresponding chords are equal. If two chords of a circle (or of congruent circles) are equal, then 11 (15)there corresponding arcs (minor, major or semi-circle) are
- congruent in equal circles or in the same circle, if two chords are equal thy cut of equal arcs.

  (16) Equal chords of a circle (or of congruent circles) subtends equal angles at the center (at the corresponding centers).
- (17) If the angles subtends by two chords of a circle (or congruent circle) at the center (corresponding centers) are equal, the chords are equal.
- 11. **Recommended Book.** The question papers will be syllabus oriented. However, the following book is recommended for reference and supplementary reading: -

Mathematics 10 (Science Group)
IlmiKitabKhana, Kabir Street
Urdu Bazar, Lahore



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# PART-III & IV PHYSICS & CHEMISTRY

#### <u>Test Description of Physics / Chemistry (50 Marks each)</u>

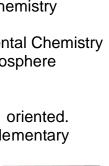
- 12. Entrance Exam of Physics / Chemistry is divided into three sections:
  - a. <u>Section A MCQs(15 Marks)</u>: Multiple choice item will be asked to measure candidate ability with regard to a specific chemistry area. A multiple

- choice item will have a stem which asks aquestion, describes data or presents a situation. Four responses include a keyed correct response and three distractors or foils. MCQ will be based on Syllabus.
- b. <u>Section BShort Question(15 Marks)</u>: Short-answer questions will be openended questions that require students to create an answer. They will be asked to assess the basic knowledge and understanding of a topic before more indepth assessment questions are asked on the topic. Sections 'B' questions therein are to be answered on This book.
- 13. <u>Section C Open Ended Questions (20 Marks)</u>. This section gives an opportunity to show how effectively a student can develop and express his ideas in writing. This section of paper will consist of 4 OEQs (Open Ended Questions )basing on syllabus.
- 14. Physics Syllabus. Following contents comprise the syllabus:-
  - Simple Harmonic Motion and Waves
  - Sound
    Geometrical Optics
    Electrostatics
  - CurrentElectromagnetismIntroductoryElectronics
- 15. **Physics Recommended Book**. The question papers will be syllabus oriented. However, the following book is recommended for reference and supplementary reading: **Physics 10**

# Malik Sirajuddin& Sons Lahore

- 16. **Syllabus Chemistry**. Following contents comprise the syllabus:-
  - Chemical
     Acids, Bases, and Salts
     Organic Chemistry
     Equilibrium
  - Hydrocarbons
     Biochemistry
     Environmental Chemistry
     I: The Atmosphere
  - Environmental Chemistry II: Water
  - 17. Chemistry Recommended Book. The question papers will be syllabus oriented. However, the following book is recommended for reference and supplementary reading:

Chemistry 10
Carvan Book House, lahore.



Chemistry

# **MODEL PAPER**

# PART-1 ENGLISH (50)

# SECTION - A (MARKS: 15)

Q.1:	Insert the correct option i.e. A / B / C / D in the empty box opposite each part.	Each
	part carries one mark.	

i.		is deathbed, the holy Prophet Mur and his property for		mad (PBUH) offered himself, his
	A. C.	Zakat war	B. D.	revenge peace
ii.		ne arrival of the new year in China, and gifts exchanged, all focusing	•	· ·
	A. C.	love patriotism	B. D.	good luck joy
iii.	The I	Holy Prophet Muhammad (PBUH)	decide	ed the disputes of Jews:
	A. C.	according to the Holy Quran according to the Jewish law		according to the conventions according to their desires
iv.	The	scope of any field in terms of mark	et dem	and should be considered
	A. C.	the least rarely	B. D.	very seriously by the poor only
V.	Withi a/an:	n no time, the ghost appeared. Th	e unde	erlined part of the sentence is
	A. C.	Adverb Phrase Prepositional phrase	B. D.	Noun Phrase Adjective phrase
vi.	The dis a/a	cuckoo <u>sings</u> and woods come to l n:	ife. The	e underlined part of the sentence
	A. C.	transitive verb intransitive verb	B. D.	auxiliary verb infinitive
vii.	A <u>roll</u>	ing stone gathers no moss. The u	nderlin	ed part of the sentence is a/an:
	A. C.	Gerund Past Participle	B. D.	Present Participle Infinitive
viii.	Beca A. C.	use he was late, he missed the fire Simple sentence Complex sentence	st perio B. D.	Compound sentence Compound complex sentence

	IX.	VVIIICI	Tof the following is not a no	ouri?			
		A. C.	Excellent Tokyo	B. D.	Excellence Unity		
	х.	Do yo	ou know <u>anybody</u> here? The	under	lined part of the sentence is a/an:		
		A. C.	Relative pronoun Interrogative pronoun	B. D.	Indefinite pronoun  Demonstrative pronoun		
	xi.		as <u>firmly</u> discarded the idea entence is a/an:	of atta	cking the enemy. The underlined pa	art of	
		A. C.	Adverb of manner Adverb of time	B. D.	Adverb of reason Adverb of place		
	xii.		ory imagery is very commor sentence is a/an:	n in Wo	ordsworth's poetry. The underlined բ	oart	
		A. C.	abstract noun adverb	B. D.	adjective indefinite pronoun		
	xiii. Which one of the following options shows the correct spellings?						
		A. C.	Entercede Intercede	B. D.	Intersede Interscede		
	xiv.	Which	n one ption gives the synor	nym of	the word 'leisure'?		
		A. C.	free time poultry	B. D.	pleasure wave		
	XV.	Which	n one of the following option	ns prov	ides the antonym of 'convenient'?		
		A. C.	easy wise	B. D.	just uncomfortable		
			SECTION - B	(MAR	KS: 15)		
Q.2:		marks	• • • • • • • • • • • • • • • • • • • •		at 30 to 40 words. Each part carries $(5 \times 3 = 15)$ e Holy Prophet?		

	ii.	When is Chinese New Year celebrated?	
	iii.	How did Holy Prophet solve the dispute of Black Stone?	
	iv.	How is Television different from Newspaper?	
	V.	What does the Chinese word <i>fu</i> mean?	
Q.3:	Read	the following stanza carefully and answer the questions given at the end.	(5)
		And when the Sun comes out, After this ran shall stop, A wondrous light will fill, Each dark, round drop, I hope the Sun shines bright,	
	Ques	'Twill be a lovely sight.  tions:  What does the Sun symbolize?	(1)
	ii.	What does the line 'I hope the Sun shines bright' mean?	(2)

	iii.	What is meant by the word 'Wondrous'?	(2)
		SECTION – C (MARKS: 20)	
Q.4:	Trans	slate the given sentences into English.	(10)
		<u>د</u>	a. پیراسته کراچی کو جاتا۔
		نے کی سزاملی	b. اسے امتحان میں نقل کر۔
		ں ملک میں پھیل چکی ہے	c. ر شوت ناسور کی طرح اس
		، مهمان جا چکے تھے۔	d.میرے گھریہنچنے سے پہلے
		نے کیلیے ہمیں ٹیکس دیناہو گا نے کیلیے ہمیں ٹیکس دیناہو گا	
Q 5:	Transla	ate the given sentences into Urdu. (10)	)
	a.	Pakistan is progressing by leaps and bounds.	
	b.	Ali has been studying in this college for two years.	
	C.	Cars are faster than bikes and bicycles.	
	d.	Women are very important members of our society.	
	e.	Human civilization is on the verge of chaos.	

Q.No.6: Write a story in the given space based on the prompt / sketch / picture and give it an appropriate title. Use the given space only to write your story. (10)Suitable Title: **(2)** Plot 2 **Diction** 2 Language Characters 2 Shaheryar was recently married to Ulfat. They loved each other. They looked forward to a beautiful life. One day they planned a bonfire in their house-lawn.

Lesson /Moral: \_\_\_\_\_\_(1)

# PART-II MATHEMATICS SECTION A MARKS: 15

	ert the correct option i. part carries one mark		ne empty box provide	ed opposite each
i.			$px^2 + qx = r  \text{then}$	sum of roots $2\alpha$ , $2\beta$
	is:- A. $\frac{-p}{q}$	B. $\frac{r}{p}$	C. $\frac{-2q}{p}$	D. $\frac{-q}{2p}$
ii.	Two factors of $x^2$	-15x + 56 are:-		
	A. $(x-7), (x+8)$	B. $(x + 7)$	(x + 8)	
	C. $(x-7), (x-8)$	D. None	of these	
iii.	If $\frac{a}{b} = \frac{c}{d}$ then cor	npnendo property i	s:-	
	A. $\frac{a}{a+b} = \frac{c}{c+d}$	$B. \ \frac{a}{a-b} = \frac{c}{c-d}$	C. $\frac{ad}{bc}$	D. None of these
iv.	A. function $f(x) =$	$\frac{N(x)}{D(x)}$ with $D(x) \neq$	0 where N(x) and	M(x) are polynomial
	is called:-	2 (11)		
	A. an identity	B. a fraction	C. an equation	D. None of these
V.	The set $\{x \mid x \in W\}$	$^{\prime} \land x \le 101$ } is:-		
	A. infinite set	B. subset	C. null set	D. finite set
vi.	If number of elements in A x B		3 and in set B is	s 2, then number of
	A. 6	B. 2 <sup>6</sup>	C. 2 <sup>8</sup>	D. 2 <sup>2</sup>
			<b>O</b> . 2	D. 2
vii.	Mean is affected by	y change in:-		
	A. place	B. scale	C. rate	D. None of these
viii.	The most frequent	occurring observat	ion in a data set is c	alled:-
	A. median	B.mode	C. harmonic me	an D. None of these
ix.	An angle is called $y$ – axis:-	angle if	f its terminal side lie	s on the $x$ – axis or
	A. quadrantal	B.standard	C. coterminal	D. None of these

	X.	$\frac{1}{1+\sin\theta} + \frac{1}{1-\sin\theta}$ is	s equal to:-		
		A. $2sec^2\theta$	B. $2cos^2\theta$	C. $sec^2\theta$	D. cosθ
	xi.	A of intercepted between		figure bounded by	two radii and the arc
		A. segment	B. sector	C. chord	D. None of these
	xii.	A corresponding c	•	n of a circle boun	ded by an arc and a
		A. segment	B. sector	C. chord	D. None of these
	xiii.	Tangents drawn	at the ends of a diame	eterare to	each other:-
		A. parallel	B.non-parallel	C. collinear	D. perpendicular
	xiv.	A line which ha	s two points in comm	on with a circle is	called of a
		A. sine	B.cosine	C. tangent	D. secant
	XV.	The number of are:-	common tangents th	at can be drawn f	or two disjoint circles
		A. 2	B. 3	C. 4	D. None of these
			SECTION-B (MAI	RKS: 15)	
Q.8	Attem	npt <b>All</b> parts.		(M	arks 5x3 = 15)
	i.	Solve the equati	on: $3x^{-2} + 5 = 8x^{-1}$		
	ii.	Solve the equati	on: $\sqrt{3x + 100} - x = 0$	4	

iii.	If $\propto$ , $\beta$ are the roots of the equation $x^2 - 3x + 6 = 0$ . Form equations whose roots are $\frac{1}{\alpha}$ , $\frac{1}{\beta}$
iv.	Prove that $x^3 + y^3 = (x + y)(x + wy)(x + w^2y)$
V.	The difference of a number and its reciprocal is $\frac{15}{4}$ , find the number.
es o	SECTION – C (MARKS: 20)  In the sides containing that acute angle diminished by twice the rectangle by one of those sides and the projection on it of the other.

												_	
Q.10 Prove length.	e that, i	if two	tangen	its dra	wn to	a circle	e from	a poi	nt out	side	it, a	are	equal ir
Q.11: Prove of the angle								a circle	, is do	uble	in m	neas	sure tha

2: Draw two	equal circles o w their transver	of each radius rse tangents.	s 2.4cm. If	the distances	between the	ir centı

## PART-III

# PHYSICS 50)

# **SECTION - A (MARKS: 15)**

Q.13:		sert the correct option i.e. A / B / C / D in the empty box opposite each part. Each art carries one mark.								
	i.	If F=0.08N and x = 4cm, then value of k is:								
		A.	4Nm <sup>-1</sup>	B. 0.2Nm <sup>-1</sup>	C. 8Nm <sup>-1</sup>	D. 2Nm <sup>-1</sup>				
	ii.	Wa	aves transfer:							
		A.	frequency	B. Wave length	C. Velocity	D. Energy				
	iii.	Th	e SI unit of intens	sity of sound is:						
		A.	Wm	B. Wm <sup>-1</sup>	C. Wm <sup>3</sup>	D. Wm <sup>-2</sup>				
	iv.	Th	e inner part of Fil	ber Optics is called:						
		A.	Metal jacket	B .Boundary	C. Core	D. Cladding				
	V.	Th	e SI unit of electr	romotive force is:						
		A.	Joule	B. Newton	C. Volt	D. Coulomb				
	vi.	Th	e particles emitte	ed from a hot cathode	e surface are called					
		А	Positive ions	B Negative ions	C Electrons	D Protons				

vii.

A. Frequency

A. Gates

viii.	Which one is OHM	IC in nature?				
	A. Fixed resistor	B. Filament Lamp	C. Thermistor	D. Insulator		
ix.	House safety wiring is connected in:					
	A. Parallel	B. Series	C. At Random	D. Gates		
x.	When we double the voltage in a simple circuit, as a result following is					
	doubled:					

C. Charge

C. Wavelength

Which of the following quantities do not change during refraction of light?

B. Direction

xi. The distance between optical center and principle focus is called:

A. Principal Axis

B. Optical center

C. Principal Focus

D. Focal Length

xii. In Cathode Ray Oscilloscope electrons are deflected in:

A. Filament B. Anode C. Electron Gun D. Electric &

Magnetic Field

D. Current

D. Speed

B. Power

	xiii.		ction depends upon:		
	xiv.	A. Focal Length  Electric field lines:	B. Speed of Light	C. Image distance	D. Object distance
	AIV.	A. Always cross ea	ch other	B. Never cross ead	ch other
		C. Cross each other		D. Cross each other	in strong field
	XV.	What is the voltage	across 6 Ohm resis	tor when 3 Ampere	of current passes
		through it?			
		A. 2 Volt	B. 9 Volt	C. 18 Volt	D. 36 Volt
		:	SECTION-B (MAR	<u>(S: 15)</u>	
Q.14:	Attem	pt All parts.			(Marks $5x3 = 15$ )
	i.	Give any three uses	s of ultrasound.		
	ii.	Define Ohm's Law.			
	iii.	What is the waveler	ngth of a radio wave	transmitted by an F	M Station at 90
			lio wave is 3 x 10 <sup>8</sup> m		
	iv.	Why driver side mi	rror of a car is a con	vex mirror rather tha	an plane or
		concave?			
	-				

	v.	A current of 3 mA is flowing through a wire for 1 minute. What is the charge the wire?
		SECTION - C (MARKS: 20)
		t is SHM? Mathematically prove that acceleration of a mass attached to a sprir roportional to its displacement from mean position. (1+4)
1.16:	What	t is meant by refraction of Light? Explain total internal reflection in Optical.(1+4
1.16:	What	is meant by refraction of Light? Explain total internal reflection in Optical.(1+4

Q.17: What is inte sound?	ensity of sound a	and how you wi	ill relate intensity	of sound with	loudness o (1+4)

.18: Define Electrical Energy? State and explain Joule's Law?	(1+4)
· · · · · · · · · · · · · · · · · · ·	

# PART-IV CHEMISTRY SECTION A MARKS (15)

Q.19: Insert the correct option i.e. A / B / C / D in the empty box provided opposite each part. Each part carries one mark.

i.	Sour milk contains which acid?  A. Lactic acid B. Citric acid		
	C. Acetic acid D. Formic acid		
ii.	Reactions which have comparable amounts of reactants a equilibrium state have K <sub>C</sub> value	and products at	
	A. Very small B. Moderate		
	C. Very large D. None		
iii.	Which of the following does not contain protein?		
	A. Eggs B. Pulses		
	C. Potatoes D. Bean		
iv.	The order of reactivity of Hydrogen halides with alkenes is	3	
	A. HI >HBr B. HBr> HI		
	C. HCl>HBr D. HBr>HCl		
٧.	Night blindness is because of deficiency of		
	A. Vitamin A B. Vitamin E		
	C. Vitamin C D. Vitamin D		
vi.	Permanent hardness of water is removed by adding		
	A. Na <sub>2</sub> zeolite B. Soda lime		
	C. Lime water D. Quick lime		
vii.	The functional group –COOH is found in:-		
	A. Carboxylic acids B. Aldehydes		
	C. Alcohols D. Esters		
viii.	About 99 % atmosphere's mass lies within		
	A. 30 kilometre B. 35kilometre		
	C. 15kilometre D. 11kilometre		
ix.	The end product of oxidation of acetylene is		
	A. Oxalic acid B. Glycol		
	C. Glyoxal D. None of these		
Х.	The ability of carbon atom to form long chains is called	Ī	
	A. Isomerism B. Catenation		
vi	C. Resonance D. Condensation		
Xİ.	Which of the following does not cause hardness in water  A. Ca <sup>2+</sup> B. Mg <sup>2+</sup>		
	C. SO <sub>4</sub> <sup>2</sup> - D. Na <sup>+</sup>		
xii.	For a reaction between PCl <sub>3</sub> and Cl <sub>2</sub> to form PCl <sub>5</sub> the unit	s of Kc are	

		A. C.	mol dm <sup>-3</sup> mol <sup>-1</sup> dm <sup>3</sup>	B. D.	mol <sup>-1</sup> dm <sup>-3</sup>		
	xiii.	A.	acids react with car Salt	bonates to p B.	Water	lucts except	
		C.	Carbon dioxide	D.	Hydrogen		
	xiv.		ally rain water is wea	=			
	XV.	A. C. Photo	SO <sub>3</sub> gas SO <sub>2</sub> gas synthesis process p	B. D. produces	CO <sub>2</sub> gas NO <sub>2</sub> gas		
		A. C.	Starch Sucrose	B. D.	Cellulose Glucose		
			SECTI	ON-B (MAR	KS: 15)		
Q.20:	Attem	pt <b>All</b> p	arts.			(Marks 5x3	3 = 15)
	i.	How	carbon tetra chloride	is prepared	from Methane?		
	ii.	What	are the effects of ac	id rain on en	vironment?		
	iii.	Calcu	late the pOH of 0.00	1 M HNO3 s	olution		
	iii.	What	is the difference bet	ween Oligos	accharide and Po	lysaccharide?	

	V.	What are the limitations of Arhenius concept?
contai	ns 0.31	SECTION – C (MARKS: 20)  nitrogen reacts with hydrogen to form ammonia, the equilibrium mixture mol dm <sup>-3</sup> and 0.50 mol dm <sup>-3</sup> of nitrogen and hydrogen respectively. If the Kc is n <sup>6</sup> , What is equilibrium concentration of ammonia?
Q.22: water		down the complete methods with reactions to remove temporary hardness from

Q.23:	What do you kn	ow about Gr	een House	effect? Write	in detail.	
Q.23:	What do you kno	ow about Gr	een House	effect? Write	in detail.	
Q.23:	What do you kn	ow about Gr	een House	effect? Write	in detail.	
Q.23:	What do you kno	ow about Gr	een House	effect? Write	in detail.	
Q.23:	What do you kno	ow about Gr	een House	effect? Write	in detail.	
Q.23:	What do you kn	ow about Gr	een House	effect? Write	in detail.	
Q.23:	What do you kno	ow about Gr	een House	effect? Write	in detail.	
Q.23:	What do you know	ow about Gr	een House	effect? Write	in detail.	
Q.23:	What do you know	ow about Gr	een House	effect? Write	in detail.	
Q.23:	What do you know	ow about Gr	een House	effect? Write	in detail.	
Q.23:	What do you know	ow about Gr	een House	effect? Write	in detail.	
Q.23:	What do you know	ow about Gr	een House	effect? Write	in detail.	
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Q.23:	What do you know	ow about Gr	een House	effect? Write	in detail.	

Q.24: Define and explain Lowery Bronsted concept of acids and bases.
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