PHYSICS CLASS 11TH

POSSIBLE SCHEME ACCORDING TO MODEL PAPER

MOST PROBABLE SHORT QUESTIONS

NO	CHAPTER NUMBER (NAME)	NUMBER OF QUESTIONS	TOTAL NUMBER IN PAPER (SHORT)
1	CHAPTER NO 1 (MEASUREMENT)	2 SHORT QUESTIONS	6 NUMBER
2	CHAPTER NO 2 (VECTORS AND EQUILIBRIUM)	2 SHORT QUESTIONS (1 SLO)	6 NUMBER
3	CHAPTER NO 3 (MOTION AND FORCE)	2 SHORT QUESTIONS (1 SLO)	6 NUMBER
4	CHAPTER NO 4 (WORK AND ENERGY)	2 SHORT QUESTIONS (1 SLO)	6 NUMBER
5	CHAPTER NO 5 (ROTATIONAL AND CIRCULAR MOTION)	2 SHORT QUESTIONS	6 NUMBER
6	CHAPTER NO 6 (FLUID DYNAMICS)	2 SHORT QUESTIONS	6 NUMBER
7	CHAPTER NO 7 (OSCILLATION)	2 SHORT QUESTIONS	6 NUMBER
8	CHAPTER NO 8 (WAVES)	2 SHORT QUESTIONS	6 NUMBER
9	CHAPTER NO 9 (PHYSICAL OPTICS)	2 SHORT QUESTIONS	6 NUMBER
10	CHAPTER NO 10 (THERMODYNAMICS)	2 SHORT QUESTIONS (1 SLO)	6 NUMBER

POSSIBLE LONG QUESTION SCHEME

PAIR NUMBER 1:

1	CHAPTER NO 6 (FLUID DYNAMICS)	6 NUMBER
2	CHAPTER NO 4 (WORK AND ENERGY)	4 NUMBER (NUMERICAL)
3	CHAPTER NO 3 (MOTION AND FORCE)	3 NUMBER

IMPORTANT LONG QUESTIONS

CHAPTER NO 6 (FLUID DYNAMICS):

1) Terminal velocity

2) Equation of continuity

3) Bernoulli's equation with applications (Torricelli's theorem and Venturi metre only)

CHAPTER NO 4 (WORK AND ENERGY):

1) Absolute potential energy

2) Escape velocity

CHAPTER NO 3 (MOTION AND FORCE):

1) Elastic collision in one dimension

2) Projectile motion with applications

PAIR NUMBER 2:

1	CHAPTER NO 10 (THERMODYNAMICS)	6 NUMBER
2	CHAPTER NO 7 (OSCILLATION)	4 NUMBER (NUMERICAL)
3	CHAPTER NO 5 (ROTATIONAL AND CIRCULAR MOTION)	3 NUMBER

IMPORTANT LONG QUESTIONS

CHAPTER NO 10 (THERMODYNAMICS):

1) First law of Thermodynamics with applications

2) $C_P - C_V = R$

3) Carnot's engine with cycle

4) Entropy

CHAPTER NO 7 (OSCILLATION):

1) Energy conservation in SHM

2) Circular motion in SHM

3) Resonance

CHAPTER NO 5 (ROTATIONAL AND CIRCULAR MOTION) :

1) Rotational kinetic energy of disc and hoop

2) Geostationary orbits

3) Artificial gravity with orbital velocity

PAIR NUMBER 3:

1	CHAPTER NO 9 (PHYSICAL OPTICS)	6 NUMBER
2	CHAPTER NO 8 (WAVES)	4 NUMBER (NUMERICAL)
3	CHAPTER NO 2 (VECTORS AND EQUILIBRIUM)	3 NUMBER

IMPORTANT LONG QUESTIONS

CHAPTER NO 9 (PHYSICAL OPTICS):

1) Young double slit's experiment

2) Michelson's interferometer

3) Diffracting grating

CHAPTER NO 8 (WAVES):

1) Speed of sound, factors and Laplace correction

CHAPTER NO 2 (VECTORS AND EQUILIBRIUM):

1) Vector addition

2) Dot and cross product

SLO BASED QUESTIONS ARE TAKEN FROM CHAPTERS 2, 3, 4, 10.

یہ تمام اسکیم اور نوٹس بغیر کسی لالچ کے تیار کیے گیے ہیں۔ تمام طلباء سے گزارش
ہے کہ ان کے تیار کرنے والوں کو اپنی خصوصی دعاوں میں یاد رکھیں۔ رب موسی و
ہارون اپ سب کا حامی و ناصر ہو اور رب لاشریک اپ کو کامیاب کرے

MATHEMATICS CLASS 11TH

POSSIBLE SCHEME ACCORDING TO MODEL PAPER

MOST PROBABLE SHORT QUESTIONS

NO	CHAPTER NUMBER (NAME)	NUMBER OF QUESTIONS	TOTAL NUMBERS IN PAPER (SHORT)
1	CHAPTER NO 1 (COMPLEX NUMBERS)	2 SHORT QUESTIONS	8 NUMBER
2	CHAPTER NO 2 (MATRICES AND DETERMINANTS)	1 SHORT QUESTION	4 NUMBER
3	CHAPTER NO 3 (VECTORS)	1 SHORT QUESTION	4 NUMBER
4	CHAPTER NO 4 (SEQUENCE AND SERIES)	1 SHORT QUESTION	4 NUMBER
5	CHAPTER NO 5 (MISCELLANEOUS SERIES)	1 SHORT QUESTION	4 NUMBER
6	CHAPTER NO 6 (PERMUTATION, COMBINATION AND PROBABILITY)	2 SHORT QUESTIONS	8 NUMBER
7	CHAPTER NO 7 (MATHEMATICAL INDUCTION AND BINOMIAL THEOREM)	1 SHORT QUESTION	4 NUMBER
8	CHAPTER NO 8 (FUNCTIONS AND GRAPHS)	1 SHORT QUESTION	4 NUMBER
9	CHAPTER NO 9 (LINEAR PROGRAMMING)	1 SHORT QUESTION	4 NUMBER
10	CHAPTER NO 10 (TRIGONOMETRIC IDENTITIES OF SUM AND DIFFERENCE OF ANGLES)	1 SHORT QUESTION	4 NUMBER
11	CHAPTER NO 11 (APPLICATIONS OF TRIGONOMETRY)	2 SHORT QUESTIONS	8 NUMBER
12	CHAPTER NO 12 (GRAPH OF TRIGONOMETRIC AND INVERSE TRIGONOMETRIC FUNCTIONS AND SOLUTIONS OF TRIGONOMETRIC EQUATIONS)	2 SHORT QUESTIONS	8 NUMBER

MOST PROBABLE LONG QUESTIONS

NO	CHAPTER NUMBER (NAME)	NUMBER OF QUESTIONS	TOTAL NUMBERS IN PAPER (LONG)
1	CHAPTER NO 2 (MATRICES AND DETERMINANTS)	1 LONG QUESTION	8 NUMBER
2	CHAPTER NO 4 (SEQUENCE AND SERIES)	1 LONG QUESTION	8 NUMBER
3	CHAPTER NO 7 (MATHEMATICAL INDUCTION AND BINOMIAL THEOREM)	1 LONG QUESTION	8 NUMBER
4	CHAPTER NO 9 (LINEAR PROGRAMMING)	1 LONG QUESTION	8 NUMBER
5	CHAPTER NO 10 (TRIGONOMETRIC IDENTITIES OF SUM AND DIFFERENCE OF ANGLES)	1 LONG QUESTION	8 NUMBER
6	CHAPTER NO 12 (GRAPH OF TRIGONOMETRIC AND INVERSE TRIGONOMETRIC FUNCTIONS AND SOLUTIONS OF TRIGONOMETRIC EQUATIONS)	1 LONG QUESTION	8 NUMBER

POSSIBLE LONG QUESTIONS

MOST IMPORTANT EXERCISES FOR LONG QUESTIONS FROM EACH CHAPTER.

CHAPTER NO 2 (MATRICES AND DETERMINANTS):
EXERCISES: 2.3, 2.4

CHAPTER NO 4 (SEQUENCE AND SERIES):
EXERCISES: 4.3, 4.4, 4.5

CHAPTER NO 7 (MATHEMATICAL INDUCTION AND BINOMIAL THEOREM):
EXERCISES: 7.3

CHAPTER NO 9 (LINEAR PROGRAMMING):
EXERCISES: 9.2

CHAPTER NO 10 (TRIGONOMETRIC IDENTITIES OF SUM AND DIFFERENCE OF ANGLES):
EXERCISES: 10.2, 10.3

CHAPTER NO 11 (APPLICATIONS OF TRIGONOMETRY):
EXERCISES: 11.3, 11.4

CHAPTER NO 12 (GRAPH OF TRIGONOMETRIC AND INVERSE TRIGONOMETRIC FUNCTIONS AND SOLUTIONS OF TRIGONOMETRIC EQUATIONS):
EXERCISES: 12.5

SHORT QUESTION ANSWERS CAN BE PREPARED FROM THE PDF OF IMPORTANT QUESTIONS BY SIR HAMZA WHERE ALL IMPORTANT SHORT AND LONG QUESTIONS HAVE BEEN WRITTEN.

یہ تمام اسکیم اور نوٹس بغیر کسی لالچ کے تیار کیے گیے ہیں۔ تمام طلباء سے گزارش ہے کہ ان کے تیار کرنے والوں کو اپنی خصوصی دعاوں میں یاد رکھیں۔ رب موسیٰ و ہارون اپ سب کا حامی و ناصر ہو اور رب لاشریك اپ کو کامیاب کرے

COMPUTER CLASS 11TH

POSSIBLE SCHEME ACCORDING TO MODEL PAPER

MOST PROBABLE SHORT QUESTION

NO	CHAPTER NUMBER (NAME)	NUMBER OF QUESTIONS	TOTAL NUMBER IN PAPER (SHORT)
1	CHAPTER NO 1 (OVERVIEW OF COMPUTER SYSTEM)	2 SHORT QUESTIONS	6 NUMBER
2	CHAPTER NO 2 (COMPUTER MEMORY)	2 SHORT QUESTIONS	6 NUMBER
3	CHAPTER NO 3 (CENTRAL PROCESSING UNIT)	2 SHORT QUESTIONS	6 NUMBER
4	CHAPTER NO 4 (INSIDE SYSTEM UNIT)	3 SHORT QUESTIONS	9 NUMBER
5	CHAPTER NO 5 (NETWORK COMMUNICATION AND PROTOCOLS)	2 SHORT QUESTIONS	6 NUMBER
6	CHAPTER NO 6 (WIRELESS COMMUNICATIONS)	3 SHORT QUESTIONS	9 NUMBER
7	CHAPTER NO 7 (DATABASE FUNDAMENTALS)	3 SHORT QUESTIONS	9 NUMBER
8	CHAPTER NO 8 (DATABASE DEVELOPMENT)	3 SHORT QUESTIONS	9 NUMBER

MOST PROBABLE LONG QUESTIONS

NO	CHAPTER NUMBER (NAME)	NUMBER OF QUESTIONS	TOTAL NUMBER IN PAPER (LONG)
1	CHAPTER NO 1 (OVERVIEW OF COMPUTER SYSTEM)	1 LONG QUESTION	5 NUMBER
2	CHAPTER NO 2 (COMPUTER MEMORY)	1 LONG QUESTION	5 NUMBER
3	CHAPTER NO 4 (INSIDE SYSTEM UNIT)	2 LONG QUESTIONS	10 NUMBER
4	CHAPTER NO 5 (NETWORK COMMUNICATION AND PROTOCOLS)	1 LONG QUESTION	5 NUMBER
5	CHAPTER NO 7 (DATABASE FUNDAMENTALS)	1 LONG QUESTION	5 NUMBER
6	CHAPTER NO 8 (DATABASE DEVELOPMENT)	1 LONG QUESTION	5 NUMBER

POSSIBLE LONG QUESTIONS

CHAPTER NO 1 (OVERVIEW OF COMPUTER SYSTEM):

1) Classification of computers

2) Types of system software

3) Types of application software

4) Printer with types

5) Plotter with types

CHAPTER NO 2 (COMPUTER MEMORY):

1) Differ between RAM and ROM with types

2) Optical disks and types

CHAPTER NO 3 (CENTRAL PROCESSING UNIT):

1) Differ between types of registers used in computer

2) Differ between CPU instruction and instruction format with types

CHAPTER NO 4 (INSIDE SYSTEM UNIT):

1) Differ between ports and expansion slots with types

2) Define ribbon cable. Explain IDE and SATA cable

3) Expansion card and types

4) Differ between memory module and modems with its types.

CHAPTER NO 5 (NETWORK COMMUNICATION AND PROTOCOLS):

1) Basic components in computer network

2) Differ modes of data communications

3) Guided and unguided media

4) Communication device with switch, routers and gateway

5) LAN, WAN, MAN

6) Topologies

7) OSI Model

8) IP address with classes

CHAPTER NO 7 (DATABASE FUNDAMENTALS):

1) Database model with types

2) What is key? Differ between types of keys used in database model.

3) ER model. Differ elements also

CHAPTER NO 8 LONG QUESTIONS ARE NOT WRITTEN HERE. IF YOU WANT TO DO LONG QUESTION FROM 8TH CHAPTER, PREPARE THE WHOLE CHAPTER.

یہ تمام اسکیم اور نوٹس بغیر کسی لالچ کے تیار کیے گیے ہیں۔ تمام طلباء سے گزارش ہے کہ ان کے تیار کرنے والوں کو اپنی خصوصی دعاوں میں یاد رکھیں۔ رب موسیٰ و ہارون اپ سب کا حامی و ناصر ہو اور ربِ لاشریک اپ کو کامیاب کرے

ENGLISH CLASS 11TH

1: COMPREHENSION PASSAGE AND TRANSLATION FROM CHAPTERS MEANS TRANSLATE INTO URDU ARE TAKEN FROM THE CHAPTERS.

1) Responsibilities of the youth   * (TRANSLATION)
2) Its country for me   *   (TRANSLATION)
3) Choice of career   *
4) The importance of family
5) Drug abuse in the youth of Pakistan   *
6) School VS education   (TRANSLATION)
7) The blanket   *
8) His first flight   (TRANSLATION)
9) From mother with love   (TRANSLATION)

2: TRY TO DO QUESTIONS ANSWERS OF THE POEM. THE BENEFIT OF DOING QUESTION ANSWERS IS THAT THE Q/A WILL APPEAR FROM THE FIGURES OF SPEECH PORTION APPROXIMATELY.
IMPORTANT POEMS ARE GIVEN:

1) Good timber   *
2) Mother to son   *
3) The world is too much with us
4) Ozymandias   *

3) Q/A FROM THE PLAY "THE PROGRESS" WILL APPEAR FROM EXERCISE APPROXIMATELY. YOU MUST PREPARE CHARACTER, THEME, CENTRAL IDEAS AND SUMMARY OF THE PROGRESS.

4) CORRECT FORMS OF VERBS, PUNCTUATION AND ALL THE OBJECTIVE INSTEAD OF EXERCISE CAN BE DONE FROM THE NOTES OF ENGLISH GRAMMAR BY SIR HAMZA.

(*) REPRESTS THE MOST IMPORTANT ITEMS.

5) SPECIMEN OF LETTER TO FRIEND AND FAMILY.

<div align="right">

Examination Hall,
A.B.C (city)
March 29, 2024
</div>

Dear father/friend.

I am very happy while writing a letter. I am fine and hope, you are also fine._____.

Hoping a fairly prompt from you.

<div align="right">

Yours sincerely,
X,Y,Z
</div>

6) SPECIMEN OF APPLICATION TO PRINCIPAL

The Principal,
Govt College,
A.B.C   (city),

Subject:_____
Sir,

Most respectfully, it is stated that I am a bonafide student of your school/college. My prior academic records validate my deligence and divergence towards studies. I request you to grant me _____.   I promise you, I would work hard to uphold my exceptional performance in future.

Thanking in anticipation/advance.

<div align="right">

Yours Obediently,
X.Y.Z
</div>

Dated: 29=03=2024

7) THERE IS CHOICE BETWEEN PARAGRAPH AND TRANSLATION. IF THE PARAGRAPH ON SOCIAL EVILS APPEARS, YOU CAN WRITE THE FOLLOWING PARAGRAPHS.

This is an important paragraph on all social evils. Some important topics for this paragraph are:

1) DRUG ADDICTION

2) CORRUPTION

3) UNEMPLOYMENT

4) SMUGGLING

5) OVER-POPULATION

6) TERRORISM

**OUTLINES:**

1) INTRODUCTION

2) THE EVIL IMPACT AND IMPLICATION OF _____.

3) _____ BREEDS MOST OF SOCIAL AND ECONOMIC PROBLEMS.

4) CAUSES OF _____.

5) SOLUTIONS.

6) CONCLUSION.

Pope Francis says, "Inequality is the root of social evil." Mahatma Gandhi says, "I object to violence because when it appears to do good, the good is only temporary; the evil it does is permanent." _____ has become one of the most embarrassing problems all over the world especially third world country like Pakistan. It is replete with dangers of destructive aspects.

_____ not only demoralizes and destabilizes a nation but also creates uncertainty and insecurity among the masses. If _____ creeps in a society; it eats inner strength, outer splendor, economic prosperity and social peace of a nation. The damage done is not only immediate but also far-reaching.

Edmund Burke says, "The only thing necessary for the triumph of evil is for good men to do nothing." Consequently, a nation's good image is spoiled all over the world. People feel insecurity and keep thinking about it all the time. _____ no doubt, spread discontentment in the society and ultimately a nation good imaged gets spoiled in the world. If it is not properly checked, judicial moral and economic system of the nation is destroyed. William Golding rightly says, "Man produces evil as bee produces honey." Wide spread disappointment in the common peoples owes this bad practice. It is like white ant that is eating away national health and unity un=noticeably. The unchecked spread of _____ has broken down moral and economic pillars of a nation _____ is highly harmful and devastation for country like Pakistan. It is destroying economic and political instability.

Alfred Russel Wallace says, "I hold with Henry George, that at the back of every great social evil will be found a great political wrong." If the evil of _____ is not nipped in the bud, it may spread rapidly like a bush fire and may swallow up the whole nation or region like an epidemic. It deprives people mental, physical, moral, economic health and territorial integrity.

Every peace loving who longs and dreams for peace, prosperity and protection must ponder over the cause of the social cancer of _____.

The main causes are illiteracy, miserable poverty, and long policies of government, instability; desire and lust to accumulate wealth and become rich over night. Cultural, social and regional diversities also breed the confrontation among the people. August Strindberg says, "Family …. The home of all social evil, a charitable institution for comfortable women, an anchorage for house-fathers, and a hell for children." Feudalism, uneven distribution of wealth and lack of education and health facilities also pave the way to spread _____ in a society.

External factors like involvement of foreign agencies are also spreading _____ in the country.

Steve Allen says, "one social evil for which the new testament is clearly in part responsible is anti-Semitism." An elaborate system of control is needed to check _____. An organized committee should also be set up and provided with sufficient resources.

Proper attention of law enforcement agencies can nipped up all the social evils in the society. Other factors of the evils include poverty and unemployment are creating a lot of problems in the society. Proper setup's must be launched by the government for the rehabilitation of the citizens.

Government Authorities, NGO's and national mass media should also take necessary steps at their levels to uproot the graving menace of _____. The accusers should be given exemplary sentences (punishment). It is only that we can eradicate this social evil from inflation that are been spread in our society.

یہ تمام اسکیم اور نوٹس بغیر کسی لالچ کے تیار کیے گیے ہیں۔ تمام طلباء سے گزارش ہے کہ ان کے تیار کرنے والوں کو اپنی خصوصی دعاوں میں یاد رکھیں۔ رب موسیٰ و ہارون اپ سب کا حامی و ناصر ہو اور رب لاشریك اپ کو کامیاب کرے

ISLAMIAT CLASS 11TH

POSSIBLE SCHEME ACCORDING TO MODEL PAPER

MOST PROBABLE SHORT QUESTION

NO	CHAPTER NUMBER	NUMBER OF QUESTIONS	TOTAL NUMBERS IN PAPER (SHORT)
1	CHAPTER NO 1 باب اول	3 SHORT QUESTIONS	6 NUMBER
2	CHAPTER NO 2 باب دوم	3 SHORT QUESTIONS	6 NUMBER
3	CHAPTER NO 3 باب سوم	2 SHORT QUESTIONS	4 NUMBER
4	CHAPTER NO 4 باب چہارم	2 SHORT QUESTIONS	4 NUMBER

MOST PROBABLE LONG QUESTIONS

NO	CHAPTER NUMBER	NUMBER OF QUESTIONS	TOTAL NUMBERS IN PAPER (LONG)
1	CHAPTER NO 1 باب اول	1 LONG QUESTION	8 NUMBER
2	CHAPTER NO 2 باب دوم	1 LONG QUESTION	8 NUMBER
3	CHAPTER NO 3 باب سوم	1 LONG QUESTION	4 NUMBER
4	CHAPTER NO 4 باب چہارم	1 LONG QUESTION	4 NUMBER

نوٹ: مختصر سوالات کی تیاری قاری ناصر سعید صاحب کے نوٹس کریں

CHAPTER NO 1 باب اول

انسانی زندگی پر عقیدہ توحید کے اثرات

رسالت محمدی ﷺ کی خصوصیات و عقیدہ ختم نبوت

قران مجید کی خصوصیات

انسانی زندگی پر عقیدہ اخرت کے اثرات

CHAPTER NO 2 باب دوم

تمام ارکان اسلام پر مفصل نوٹ لکھیں؟

جہاو پر مفصل نوٹ لکھیں؟

اللہ اور اس کے رسول ﷺ کی محبت و اطاعت پر نوٹ لکھیں؟

حقوق العباد پر نوٹ لکھیں۔

محاسن اخلاق و رذائل اخلاق میں فرق بیان کویں؟

باب سوم CHAPTER NO 3

عفوودرگزر سے کیا مواد ہے۔ اس سے انسانی معاشرے پر کیا اثرات مرتب ہوتے ہیں؟

باب چہارم CHAPTER NO 4

مکی و مدنی سورتوں کی خصوصیات و فرق

قران مجید کی حفاظت اور ترتیب پر نوٹ لکھیں۔

عہد صدیقی میں قران مجید کی جمع و تدوین پر نوٹ لکھیں۔

قران مجید کی تاثیر اور خوبیاں بیان کریں۔

قرانی ایات کی ترجمہ و تشریح
پہلی 8 ایات

حدیث کا ترجمہ
حدیث نمبر 1، 2، 3۔ 4، 5، 6، 7، 11

یہ تمام اسکیم اور نوٹس بغیر کسی لالچ کے تیار کیے گیے ہیں۔ تمام طلباء سے گزارش ہے کہ ان کے تیار کرنے والوں کو اپنی خصوصی دعاوں میں یاد رکھیں۔ ربِ موسی و ہارون اپ سب کا حامی و ناصر ہو اور ربِ لاشریک اپ کو کامیاب کرے

اردو سال اول

سوالات جوابات اور سیاق و سباق یعنی پیراگراف کی تشریح کے لیے اگر پہلے 7 اسباق پڑھ لیں گے تو دونوں چیزیں حل کی جا سکتی ہیں۔

درج ذیل نظمیں تشریح اور سوالات جوابات کے لیے لازمی تیار کریں۔

حمد

نعت

شہر اشوب

در مراد

تحت فرس پہ علی اکبر کا خطاب

امید

نصیحت اخلاق

درج ذیل غزلیں تشریح اور سوالات جوابات کے لیے لازمی تیار کریں۔

میر تقی میر (دونوں غزلیں)

خواجہ میر درد

غلام ہمدانی مصحفی

مرزا غالب   (دوسری غزل)

نوٹ: گرامر کے لیے سر حمزہ کے تیار کردہ 20 صفحات پر مشتمل نوٹس بہت آزمودہ اور کارآمد ہیں۔ باقی گرامر کا تمام مواد اس میں کور کیا گیا ہے۔

نوٹ: سوالنمبر 6 اور 7 میں درخواست، خط، مکالمہ، روداد اور تلخیص، رسید میں سے کوئی دو سوال پوچھے جائیں گے۔ لازمی بنیادوں پر درخواست، مکالمہ، رسید اور تلخیص کی تیاری کریں۔ ان چیزوں کے نمونے حل شدہ ماڈل پیپر پر لکھے گیے ہیں،

یہ تمام اسکیم اور نوٹس بغیر کسی لالچ کے تیار کیے گیے ہیں۔ تمام طلباء سے گزارش ہے کہ ان کے تیار کرنے والوں کو اپنی خصوصی دعاوں میں یاد رکھیں۔ ربِ موسیٰ و ہارون اپ سب کا حامی و ناصر ہو اور ربِ لاشریک اپ کو کامیاب کرے

CHEMISTRY CLASS 11
POSSIBLE SCHEME ACCORDING TO MODEL PAPER

MOST PROBABLE SHORT QUESTIONS

NO	CHAPTER NUMBER (NAME)	NUMBER OF QUESTIONS	TOTAL NUMBER IN PAPER (SHORT)
1	CHAPTER NO 1 (STOICHIOMETRY)	2 SHORT QUESTIONS	6 NUMBERS
2	CHAPTER NO 2 (ATOMIC STRUCTURE)	2 SHORT QUESTIONS	6 NUMBERS
3	CHAPTER NO 3 (THEORIES OF COVALENT BONDING AND SHAPES OF MOLECULES)	2 SHORT QUESTIONS	6 NUMBERS
4	CHAPTER NO 4 (GASSES)	1 SHORT QUESTION	3 NUMBERS
5	CHAPTER NO 5 (LIQUIDS)	1 SHORT QUESTION	3 NUMBERS
6	CHAPTER NO 6 (SOLIDS)	2 SHORT QUESTIONS	6 NUMBERS
7	CHAPTER NO 7 (CHEMICAL EQUILIBRIUM)	1 SHORT QUESTION	3 NUMBERS
8	CHAPTER NO 8 (ACIDS, BASES AND SALTS)	1 SHORT QUESTION	3 NUMBERS
9	CHAPTER NO 9 (CHEMICAL KINETICS)	2 SHORT QUESTIONS	6 NUMBERS
10	CHAPTER NO 10 (SOLUTIONS AND COLLIDES)	2 SHORT QUESTIONS	6 NUMBERS
11	CHAPTER NO 11 (THERMOCHEMISTRY)	2 SHORT QUESTIONS	6 NUMBERS
12	CHAPTER NO 12 (ELECTROCHEMISTRY)	2 SHORT QUESTIONS	6 NUMBERS

POSSIBLE LONG QUESTION SCHEME

PAIR NUMBER 1

1	CHAPTER NO 2 (ATOMIC STRUCTURE)	7 NUMBERS
2	CHAPTER NO 1 (STOICHIOMETRY) NUMERICAL	6 NUMBERS

PAIR NUMBER 2

1	CHAPTER NO 4 (GASSES)	7 NUMBERS
2	CHAPTER NO 6 (SOLIDS)	6 NUMBERS

PAIR NUMBER 1

1	CHAPTER NO 8 (ACIDS, BASES AND SALTS)	7 NUMBERS
2	CHAPTER NO 12 (ELECTROCHEMISTRY)	6 NUMBERS

IMPORTANT LONG QUESTIONS

CHAPTER NO 1 (STOICHIOMETRY) NUMERICAL
Limiting and non-limiting reactants
Theoretical and actual yield
EXAMPLES:
1.1,1.3,1.4,1.7 and 1.9
NUMERICAL:
4(b), 5(a), 5(b), 6(b) and 7.

CHAPTER NO 2 (ATOMIC STRUCTURE)
Four properties of positive rays and neutron
Bohr's atomic model with application
Origin of hydrogen spectrum on basis of Bohr's atomic model
Quantum number

CHAPTER NO 4 (GASSES)

Application of kinetic molecular theory with derivation of kinetic energy and temperature ★
Ideal gas equation till numerical value of R ★
Vander Waals equation with correction
Dalton's law of partial pressure with application ★
Graham's law of diffusion with velocity of molecules and diffusion of gasses p★

CHAPTER NO 6 (SOLIDS)
Properties of crystalline solids ★
Crystal lattice ★
Differ between ionic and covalent crystals ★
Differ between molecular and metallic solids

CHAPTER NO 8 (ACIDS, BASES AND SALTS)
Relationship of ka and kb ★
Buffer solution ★
Salt hydrolysis ★
EXAMPLE: 8.1,8.2,8.3,8.6,8.10
NUMERICAL: 7,8

CHAPTER NO 12 (ELECTROCHEMISTRY)
Batteries

[★] REPRESENTS THE MOST IMPORTANT QUESTIONS.

BIOLOGY CLASS 11
POSSIBLE SCHEME ACCORDING TO MODEL PAPER

MOST PROBABLE SHORT QUESTIONS

NO	CHAPTER NUMBER (NAME)	NUMBER OF QUESTIONS	TOTAL NUMBER IN PAPER (SHORT)
1	CHAPTER NO 1 (CELL STRUCTURE AND FUNCTIONS)	1 SHORT QUESTION	3 NUMBERS
2	CHAPTER NO 2 (BIOLOGICAL MOLECULES)	1 SHORT QUESTION	3 NUMBERS
3	CHAPTER NO 3 (ENZYMES)	2 SHORT QUESTIONS	6 NUMBERS
4	CHAPTER NO 4 (BIOENERGETICS)	1 SHORT QUESTION	3 NUMBERS
5	CHAPTER NO 5 (ACELLULAR LIFE)	1 SHORT QUESTION	3 NUMBERS
6	CHAPTER NO 6 (PROKARYOTES)	2 SHORT QUESTIONS	6 NUMBERS
7	CHAPTER NO 7 (PROTISTS AND FUNGI)	2 SHORT QUESTIONS	6 NUMBERS
8	CHAPTER NO 8 (DIVERSITY AMONG PLANTS)	2 SHORT QUESTIONS	6 NUMBERS
9	CHAPTER NO 9 (DIVERSITY AMONG ANIMALS)	2 SHORT QUESTIONS	6 NUMBERS
10	CHAPTER NO 10 (FORM AND FUNCTIONS IN PLANTS)	1 SHORT QUESTIONS	3 NUMBERS
11	CHAPTER NO 11 (DIGESTION)	2 SHORT QUESTIONS	6 NUMBERS
12	CHAPTER NO 12 (CIRCULATION)	1 SHORT QUESTIONS	3 NUMBERS

13	CHAPTER NO 13 (IMMUNITY)	2 SHORT QUESTIONS	6 NUMBERS

POSSIBLE LONG QUESTION SCHEME

PAIR NUMBER 1

1	CHAPTER NO 1 (CELL STRUCTURE AND FUNCTIONS)	5 NUMBERS
2	CHAPTER NO 12 (CIRCULATION)	4 NUMBERS
3	CHAPTER NO 5 (ACELLULAR LIFE)	4 NUMBERS

PAIR NUMBER 2

1	CHAPTER NO 2 (BIOLOGICAL MOLECULES)	5 NUMBERS
2	CHAPTER NO 7 (PROTISTS AND FUNGI)	4 NUMBERS
3	CHAPTER NO 11 (DIGESTION)	4 NUMBERS

PAIR NUMBER 3

1	CHAPTER NO 4 (BIOENERGETICS)	5 NUMBERS
2	CHAPTER NO 9 (DIVERSITY AMONG ANIMALS)	4 NUMBERS
3	CHAPTER NO 13 (IMMUNITY)	4 NUMBERS

POSSIBLE LONG QUESTION SCHEME

CHAPTER NO 1 (CELL STRUCTURE AND FUNCTIONS):
Plasma membrane ★
Lysosome ★
Plastids ★
Nucleus ★

Cilia and flagella

CHAPTER NO 12 (CIRCULATION)
Heart ★
Cardiovascular disorders
Lymphatic system in men ★

CHAPTER NO 5 (ACELLULAR LIFE)
General structure and classification of virus
Bacteriophage with cycle ★
Life cycle of HIV ★

CHAPTER NO 2 (BIOLOGICAL MOLECULES)
Classification of carbohydrates ★
Proteins
Acylglycerols ★
Watson and crick model of DNA ★
Types of RNA

CHAPTER NO 7 (PROTISTS AND FUNGI)
Differ between animal and plant like protists
Fungi like protists ★
Modes of nutrition in fungi ★
Differ between zygomycota and ascomycota
Importance of fungi

CHAPTER NO 11 (DIGESTION)
Oral cavity with function ★
Stomach with function ★
Structure of small intestine with function ★
Structure of liver ★
Structure of large intestine
Disorders of digestive system

CHAPTER NO 4 (BIOENERGETICS)
Non cyclic phosphorylation ★
Dark reaction
Glycolysis ★
Kreb's cycle ★
Chemosmosis
C4 photosynthesis ★

CHAPTER NO 9 (DIVERSITY AMONG ANIMALS)
Phylum porifera
Phylum mollusca

Phylum arthropoda

CHAPTER NO 13 (IMMUNITY):
First line of defence and second line of defence ★
Third line of defence with role of T-cells ★

(★) REPRESENTS THE MOST IMPORTANT QUESTIONS.