

PREPARATION PAPER

FINAL TERM EXAMINATION 2025-2026



Section "A"

Q1. Multiple Choice Questions (M.C.Q.s)

20 Marks

*Prepare from Prose and Poem.

*Practice from Midterm paper and past papers. (Final Term paper)

Section "B"

(Short Answer-Questions)

40 Marks

Q2. Answer any 5 of the following questions in two to three sentences each.

(10 Marks)

POEM

- i) What is the main theme of the poem "A Mountain and Squirrel"?
- ii) What is the main theme of the poem "A Child's Invocation"?
- iii) Who was Miller? Why was he happier than the King?

PROSE

- iv) At the time of arrival of Prophet Muhammad (P.B.U.H) in Madina, which groups of people used to live there?
- v) At the time of arrival of Prophet Muhammad (P.B.U.H) in Madina, which groups of people used to live there?
- vi) What are the three main points of Charter of Madina?
- vii) Write three main points of the Last Sermon of the Holy Prophet (S.A.W).
- viii) What is Hijra? When did this event take place?
- ix) Why did people become Shah Latif's followers?
- x) Why is Shah Latif's key message in his verses acceptable to everyone?
- xi) Why is Shah Abdul Latif called 'The Saint of Bhit'?
- xii) What do you know about the poetry of Shah Abdul Latif Bhitai?
- xiii) What did Jameel want to be and why was he upset?
- xiv) How did Sara, Jameel and their family manage the expenses for their studies?
- xv) Both Sara and Jameel had to pass every test in the first go. Why was it so?
- xvi) How was Sara educating the village women?
- xvii) How is the immune system affected through dengue?
- xviii) How often can one get infected with chikungunya? Why?
- xix) How did Quaid-e-Azam praise Allama Iqbal's role in a message on his death?
- xx) Why was the Quaid-e-Azam greatly respected by the people of all faiths?
- xxi) Why did Allama Iqbal demand for Pakistan?
- xxii) Why did Quaid e Azam leave the Congress?
- xxiii) Who was Miss Fatima Jinnah? Why is she called Madr-e-Millat?
- xxiv) Name any four Muslim Women who played an active role in the Pakistan Movement.
- xxv) Who was Rana Liaquat Ali Khan? What role did she play in the Pakistan Movement?
- xxvi) Why did the bearded man want to kill the king?
- xxvii) Do you think we should build more barrages in our country? Support your answer by providing two reasons.

Q3. Do as directed(as instructed) (20 Marks)

Grammar:

1. Prepositions (2 Marks)
2. Articles (2 Marks)
3. Formation of Sentences (5 Marks)
 - a) Nature of sentences
 - b) Types of Sentences
 - c) Transformation of Tenses
4. Capital Letters and Punctuations (1 Mark)
5. Voice (Active & Passive) (3 Marks)
6. Narration (Direct & Indirect Speech) (3 Marks)
7. Uses of Verbs (1 Mark)
8. Suffix &Prefix (2 Marks)
9. Question tags (1 Mark)

Q4. Part of speech (5 Marks)

Q5. Translate the following Paragraph into Urdu or Sindhi. (5 Marks)

Section "C"

(Descriptive Answer-Questions)

40 Marks

Q6. Cloze passage.

*Prepare from Prose.

(5 Marks)

Q7. Write an essay of 120-150 words on any one of the following:

(10 Marks)

- i) An Exciting Cricket Match
- ii) My Aim in Life
- iii) Impact /Role of Social Media on Youth/Society
- iv) A picnic at Seaside
- v) Problems of Metropolitan City(Karachi)
- vi) Energy Crisis in Pakistan
- vii) My favorite Personality/Visionaries Leader

Q8. Applications

(10 Marks)

- i) Write an application to your Head Master/Head Mistress, requesting him/her to allow your class to participate in an inter school quiz competition.
- ii) Write an application to the principal of your school requesting him/her to issue you a sports certificate/Transfer certificate .
- iii) Write an application to the principal of your school requesting him/her to grant you concession in fee.
- iv) Write an application to the principal of your school requesting him/her to grant you medical leaves/leaves for brother's marriage.

Email Writing:

- i) Write an email to your cousin, inviting him/her to spend the summer vacation with you.
- ii) Write an email to your friend suggesting him/her to work hard.

Q.9 Read the passages given below and answer the questions that follow them: (15 Marks)



حصہ ”الف“ کثیر الانتخابی سوالات

کثیر الانتخابی سوالات کے جوابات کے لئے نصاب میں شامل اسباق اور حصہ نظم کا مطالعہ کیجئے۔

حصہ ”ب“ مختصر سوالات کے جوابات

☆ کچھ ورق تاریخ سے	☆ نظریہ پاکستان	☆ امید کی خوشی	☆ اخلاق نبوی ﷺ	سوال نمبر ۲
☆ بوڑھی کاکی	☆ خطوط غالب	☆ رشتہ ناتا	☆ نام دیومالی	
☆ اصغری نے لڑکیوں کا مکتب بٹھایا	☆ قومی ہمدردی	☆ شہید	☆ اسباق برائے مرکزی خیال و خلاصہ۔	سوال نمبر ۳
☆ نظریہ پاکستان	☆ نام دیومالی	☆ شہید	☆ اخلاق نبوی ﷺ	
☆ اصغری نے لڑکیوں کا مکتب بٹھایا	☆ رشتہ ناتا	☆ امید کی خوشی	☆ اہم نظمیں برائے مرکزی خیال / خلاصہ۔	سوال نمبر ۴
☆ دنیائے اسلام	☆ کرکٹ اور مشاعرہ	☆ گرمی کی شدت	☆ برسات کا تماشہ	
		☆ سرراہ شہادت	☆ شعری اصطلاحات کی تعریف مثالوں کے ساتھ۔	سوال نمبر ۵
☆ قافیہ	☆ کنایہ	☆ تشبیہ	☆ مطع	
☆ بند	☆ تخلص	☆ ردیف	☆ مقطع	
☆ تلمیح	☆ مسدس	☆ مخمس	☆ مثنوی	
	☆ استعارہ	☆ مبالغہ	☆ صنعت تضاد	

یا

			اصناف ادب کی تعریف۔	
☆ افسانہ	☆ مضمون	☆ مرثیہ	☆ سفر نامہ	
☆ آپ بیتی	☆ غزل	☆ ڈرامہ	☆ ناول	
		☆ سفر نامہ	☆ خطوط نگاری	
			☆ (الف) ”تعریف مثالوں کے ساتھ“	سوال نمبر ۶
☆ جملہ اسمیہ	☆ مرکب تام	☆ مرکب ناقص	☆ جملہ فعلیہ	

☆ اسم مکر اور مصغر	☆ مبتدا اور خبر	☆ سابقہ اور لاحقہ	☆ اسم ظرف
☆ اسم مکالم	☆ اسم آلہ	☆ اسم معرفہ کی اقسام	☆ اسم علم
☆ اسم ضمیر	☆ اسم اشارہ	☆ اسم موصول۔	

یا

☆ سابقہ لاحقہ کی مشق ☆ الفاظ کے مترادف

سوال نمبر ۶

(ب) الفاظ و محاورات کا جملوں میں استعمال:

☆ دم بخود	☆ سعادت	☆ نام بیچنا	☆ قباحت
☆ شستہ	☆ لٹو ہونا	☆ سبز باغ دکھانا	☆ دروغ نہ کرنا
☆ جم غفیر	☆ نالائ	☆ اشتہا	☆ ناک کٹوانا
☆ بھنڈارے	☆ اطراف و جوانب	☆ آرائش	☆ کچکپاہٹ
☆ جائے وقوع	☆ مدہم	☆ شفق	☆ رکھ رکھاؤ
☆ ہر کارہ	☆ آگ بگولہ ہونا	☆ بے ریا خیال	☆ کٹھن گھڑی
☆ آتش محبت کا بھڑکنا	☆ دور افتادہ	☆ خندہ پیشانی	☆ سرعت
☆ خوش الحان	☆ درد کی دوا	☆ محنت کا پھل	

حصہ ”ج“ بیانیہ سوالات کے جوابات

سوال نمبر ۷:

اسباق منتخب عبارات برائے تشریح:

☆ نام دیومالی	☆ رشتہ ناتا	☆ اونہہ	☆ امید کی خوشی
☆ اصغری نے لڑکیوں کا مکتب بٹھایا			

یا

اسباق برائے جملوں کی تشریح:

☆ نام دیومالی	☆ نظریہ پاکستان	☆ کچھ ورق تاریخ سے	☆ بوڑھی کاکی
☆ قومی ہمدردی	☆ اصغری نے لڑکیوں کا مکتب بٹھایا		

سوال نمبر ۸:

خطوط نویسی:

۱. دوست / سہیلی کے نام خط جس میں امتحان کی بہترین تیاری کی تاکید و تجاویز شامل ہو۔
۲. اپنے دوست کو ایک خط لکھیں جس میں بتائیے کہ ہمیں نظریہ پاکستان کے تحفظ کے لیے کیا کرنا چاہیے۔
۳. اپنے دوست کو خط لکھیں جس میں کسی پنک / تقریب کا احوال درج ہو۔
۴. اپنے دوست کو خط لکھیں جس میں شجر کاری کی اہمیت کے بارے میں بتائیے۔
۵. اپنے دوست کو خط لکھیں جس میں اسے موبائل فون کے نقصانات سے آگاہ کیجئے۔

۶. اپنے دوست کے نام ایک خط لکھیں جس میں یہ واضح کیجئے کہ کراچی میں صفائی کی صورت حال کو بہتر بنانے کے لئے طلباء کیا کر سکتے ہیں۔

۷. اپنے دوست کے نام ایک خط لکھیں جس میں یہ بتائیے کہ پاکستان کی ترقی اور خوشحالی قومی اتحاد میں پوشیدہ ہے۔

پا

مراسلہ درج ذیل موضوعات پر یاد کریں۔

۱. کسی اخبار کے مدیر کے نام مراسلہ لکھیے جس میں سڑکوں کی ٹوٹ پھوٹ اور ٹریفک کی بے قاعدگیوں سے متعلق مسائل کے حل کی جانب توجہ مبذول کروائیے۔

۲. اخبار کے مدیر کے نام مراسلہ تحریر کیجئے جس میں پاکستان میں پانی، بجلی اور گیس کی کمی کے حوالے سے تشویش کا اظہار کرتے ہوئے مسئلے کے حل کے لئے کم از کم پانچ تجاویز دیں۔

۳. مراسلہ تحریر کریں جس میں پاکستان میں بڑھتی ہوئی دہشت گردی کے حوالے سے اپنے تحفظات اور تجاویز تحریر کریں۔

سوال نمبر ۹: ممکنہ اشعار برائے تشریحات:

میر تقی میر:

۱۔ فقیرانہ آئے صدا کر چلے
میاں خوش رہو ہم دعا کر چلے

۲۔ دکھائی دیے یوں کے بے خود کیا
ہمیں آپ سے بھی جدا کر چلے

۳۔ جہیں سجدہ کرتے ہی کرتے گئی
حق بندگی ہم ادا کر چلے

خواجہ حیدر علی آتش:

زمین چمن گل کھلاتی ہے کیا کیا
بدلتا ہے رنگ آسماں کیسے کیسے

نہ گور سکندر نہ قبر دارا
مٹے ناموں کے نشاں کیسے کیسے

غم و غصہ، رنج و اندوہ و حرماں
ہمارے بھی ہیں مہرباں کیسے کیسے

کرے جس قدر شکر نعمت وہ کم ہے
مزے لوٹی ہے زباں کیسے کیسے

اسد اللہ خان غالب:

ہر اک بات پہ کہتے ہو تم کہ تو کیا ہے
تمہی کہو کہ یہ انداز گفتگو کیا ہے

رگوں میں دوڑتے پھرنے کے ہم نہیں قائل
جب آنکھ ہی سے نہ ٹپکا تو پھر لہو کیا ہے

رہی نہ طاقت گفتار اور اگر ہو بھی
تو کس امید پہ کہیے کہ آرزو کیا ہے

بہادر شاہ ظفر:

لگتا نہیں ہے جی میرا اجڑے دیار میں
کس کی بنی ہے عالم ناپائدار میں

کانٹوں کو مت نکال چمن سے او باغ باں
یہ بھی گلوں کے ساتھ پلے ہیں بہار میں

بلبل کو باغ باں سے نہ صیاد سے گلہ
قسمت میں قید لکھی تھی فصل بہار میں

حسرت موہانی:

دعا میں زکر کیوں ہو مدعا کا
کہ یہ شیوہ نہیں اہل رضا کا

نثاران پر ہوئے اچھے رہے ہم
تقاضا تھا یہی خوئے وفا کا

گنہ گاروں! چلو عفو الہی
بہت مشتاق ہے عرض خطا کا

جگر مراد آبادی:

جب تک انسان پاک طینت ہی نہیں
علم و حکمت، علم و حکمت کی نہیں

آدمی کے پاس سب کچھ ہے مگر
ایک تنہا آدمیت ہی نہیں

ادا جعفری:

ہونٹوں پہ کبھی ان کے میرا نام ہی آئے
آئے تو سہی، برسر الزام ہی آئے
حیراں ہیں لب بستہ ہیں دلگیر ہیں غنچے
خوشبو کی زبانی تیرا پیغام ہی آئے
کیا راہ بدلنے کا گلہ ہم سفروں سے
جس راہ سے چلے تیرے درو بام ہی آئے

پا

سوال نمبر 9: نظم کے عنوان اور شاعر کے حوالے کے ساتھ جزکی تشریح یاد کریں

۱. گرمی کی شدت

۲. سر راہ شہادت

۳. برسات کا تماشا

سوال نمبر 10: ممکنہ عنوانات برائے مضامین:

۱. پاکستان کے موجودہ مسائل اور طلبہ کی ذمہ داریاں۔

۲. شہید کی جو موت ہے وہ قوم کی حیات ہے

۳. عید قرباں اور ہماری ذمہ داریاں

۴. اگر میں وزیر تعلیم ہوتا

شجر کاری کی اہمیت	.۵
اگر میں وزیر تعلیم ہوتا یا ہوتی	.۶
دردِ دل کے واسطے پیدا کیا انسان کو	.۷
مصنوعی زہانت کے فوائد و نقصانات	.۸

پایا

کسی ایک شخصیت کے حالات زندگی اور ادبی کارنامے:

میر تقی میر .۱

مرزا اسد اللہ خان غالب .۲

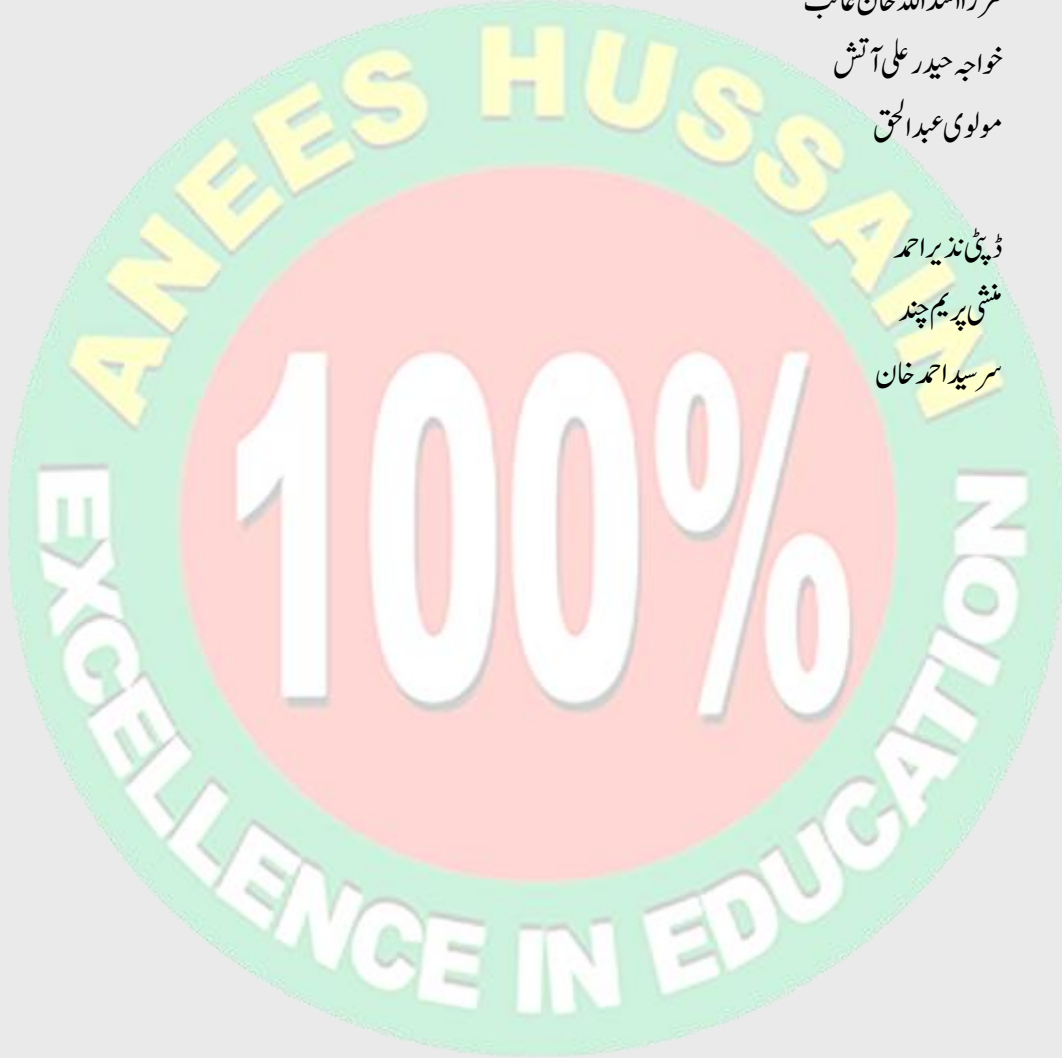
خواجہ حیدر علی آتش .۳

مولوی عبدالحق .۴

ڈپٹی نذیر احمد .۱

مشق پریم چند .۲

سر سید احمد خان .۳



ISLAMIAAT



اہم قرآنی آیات برائے ترجمہ و تشریح:

۱. تَأْيِهَاتِ النَّاسِ أَتَقُولُ رَبُّكُمْ الَّذِي خَلَقَكُمْ مِنْ نَفْسٍ وَحِدَةٍ وَخَلَقَ مِنْهَا زَوْجَهَا وَبَثَّ مِنْهُمَا رِجَالًا كَثِيرًا وَنِسَاءً ۚ وَاتَّقُوا اللَّهَ الَّذِي تَسَاءَلُونَ بِهِ وَالْأَرْحَامَ ۚ إِنَّ اللَّهَ كَانَ عَلَيْكُمْ رَقِيبًا۔
۲. وَعَاتُوا النِّسَاءَ صَدَقْتِهِنَّ نِحْلَةً ۚ فَإِنْ طَبْنَ لَكُمْ عَنْ شَيْءٍ مِنْهُ نَفْسًا فَكُلُوهُ هَدِيًّا مَرِيئًا
۳. وَإِذَا حَضَرَ الْقِسْمَةَ أُولُو الْقُرْبَىٰ وَالْيَتَامَىٰ وَالْمَسْكِينُ فَأْزِدُوهُمْ مِنْهُ وَقُولُوا لَهُمْ قَوْلًا مَعْرُوفًا۔
۴. إِنَّ الَّذِينَ يَأْكُلُونَ أَمْوَالَ الْيَتَامَىٰ ظُلْمًا إِنَّمَا يَأْكُلُونَ فِي بُطُونِهِمْ نَارًا ۖ وَسَيَصْلُونَ سَعِيرًا۔
۵. هُوَ الَّذِي أَرْسَلَ رَسُولَهُ بِالْهُدَىٰ وَدِينِ الْحَقِّ لِيُظْهِرَهُ عَلَى الدِّينِ كُلِّهِ وَلَوْ كَرِهَ الْمُشْرِكُونَ
۶. الَّذِينَ إِنْ مَكَّنَّهُمْ فِي الْأَرْضِ أَقَامُوا الصَّلَاةَ ۚ وَعَاتُوا الزَّكَاةَ وَأَمَرُوا بِالْمَعْرُوفِ وَنَهَوْا عَنِ الْمُنْكَرِ ۗ وَاللَّهُ عَلِيمٌ بِالْأُمُورِ۔
۷. إِلَّا الَّذِينَ تَابُوا مِنْ قَبْلِ أَنْ تَقْدِرُوا عَلَيْهِمْ ۖ فَأَعْلَمُوا أَنَّ اللَّهَ غَفُورٌ رَحِيمٌ
۸. لِلرِّجَالِ نَصِيبٌ مِمَّا تَرَكَ الْوَالِدَانِ وَالْأَقْرَبُونَ وَلِلنِّسَاءِ نَصِيبٌ مِمَّا تَرَكَ الْوَالِدَانِ وَالْأَقْرَبُونَ مِمَّا قَلَّ مِنْهُ أَوْ كَثُرَ ۚ نَصِيبًا مَّفْرُوضًا۔
۹. وَلِيُخَشِ الَّذِينَ لَوْ تَرَكَوْا مِنْ خَلْفِهِمْ ذُرِّيَّتَهُمْ ضَعْفًا خَافُوا عَلَيْهِمْ فَلْيَتَّقُوا اللَّهَ وَلْيَقُولُوا قَوْلًا سَدِيدًا۔

اہم احادیث برائے ترجمہ و تشریح:

۱. خَيْرُكُمْ مَنْ تَعَلَّمَ الْقُرْآنَ وَعَلَّمَهُ۔
۲. أَفْضَلُ الذِّكْرِ لِإِلَهِ إِلَّا اللَّهُ، وَأَفْضَلُ الدُّعَاءِ الْحَمْدُ لِلَّهِ
۳. طَلَبُ الْعِلْمِ فَرِيضَةٌ عَلَى كُلِّ مُسْلِمٍ۔
۴. مَنْ صَامَ رَمَضَانَ إِيمَانًا وَاحْتِسَابًا غُفِرَ لَهُ مَا تَقَدَّمَ مِنْ ذَنْبِهِ۔
۵. الصَّلَاةُ عِمَادُ الدِّينِ
۶. كُلُّكُمْ رَاعٍ وَكُلُّكُمْ مَسْئُولٌ عَنْ رَعِيَّتِهِ۔
۷. خَيْرُ النَّاسِ أَنْفَعُهُمْ لِلنَّاسِ
۸. لَعَنَ رَسُولُ اللَّهِ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ الرَّاشِيَّ وَالْمُرْتَشِيَّ

مختصر سوالات کے جوابات:

۱. قرآن مجید کے حقوق و آداب تحریر کریں۔
۲. قرآن کریم میں یتیم کو مال واپس کرنے کی کیا ہدایات دی گئی ہے۔
۳. تکمیل ایمان کے چار اصول تحریر کریں۔
۴. صلہ رحمی سے کیا مراد ہے؟ تحریر کریں۔
۵. دین اسلام میں حیا کی کیا اہمیت ہے۔
۶. احترام انسانیت کا مفہوم بیان کریں۔

۷. اہل بیت کے حقوق تحریر کریں۔
۸. حدیث کے لغوی اور اصطلاحی معنی تحریر کریں۔
۹. پڑوسیوں کے حقوق بیان کریں۔
۱۰. والدین کے ادب و احترام کے متعلق تین جملے تحریر کریں۔
۱۱. اولاد کے تین حقوق تحریر کیجئے؟
۱۲. ختم نبوت کے متعلق قرآن کریم کی کوئی آیت تحریر کریں۔
۱۳. ہجرت کی فضیلت بیان کریں۔
۱۴. حضرت امام حسین رضہ کا سلسلہ نسب تحریر کریں۔
۱۵. غزوہ کے معنی و مفہوم تحریر کریں۔
۱۶. ایک جملے میں تعریف کریں۔ ۱-امہات المؤمنین ۲-دعا ۳-صحابی
۱۷. علم کی اہمیت کے متعلق قرآن مجید کی ایک آیت کا ترجمہ تحریر کریں۔
۱۸. جہاد کے تین مقاصد تحریر کریں۔

تفصیلی سوالات کے جوابات:

۱. عقیدہ توحید کی وضاحت کرتے ہوئے عقیدہ توحید کے اثرات تحریر کیجئے۔
۲. قرآن مجید کا جامع تعارف تحریر کریں۔
۳. عبادت کی اہمیت و افادیت تحریر کریں۔
۴. ہجرت مدینہ کے اسباب تحریر کریں۔
۵. جہاد کی فضیلت اور شرائط تحریر کریں۔
۶. عدل اجتماع کو نظر انداز کرنے سے کون سی معشرتی برائیاں جنم لیتی ہیں؟
۷. علم کی اہمیت و افادیت پر نوٹ تحریر کریں۔
۸. عقیدہ ختم نبوت پر نوٹ تحریر کریں۔
۹. واقعہ کربلا پر نوٹ تحریر کریں۔
۱۰. مناقب صحابہ پر نوٹ تحریر کریں۔

PREPARATION PAPER OF IX – ISLAMIAT

IMPORTANT QURANIC VERSES FOR TRANSLATION AND INTERPRETATION:

1. تَأْتِيهَا النَّاسُ اتَّقُوا رَبَّكُمُ الَّذِي خَلَقَكُمْ مِنْ نَفْسٍ وَجِدَادٍ وَخَلَقَ مِنْهَا زَوْجَهَا وَبَثَّ مِنْهُمَا رِجَالًا كَثِيرًا وَنِسَاءً ۗ وَاتَّقُوا اللَّهَ الَّذِي تَسَاءَلُونَ بِهِ وَالْأَرْحَامَ إِنَّ اللَّهَ كَانَ عَلَيْكُمْ رَقِيبًا۔
2. وَعَاتُوا النِّسَاءَ صَدَقْتِهِنَّ نِحْلَةً ۚ فَإِنْ طِبْنَ لَكُمْ عَنْ شَيْءٍ مِنْهُ نَفْسًا فَكُلُوهُ هَنِيئًا مَرِيئًا
3. وَإِذَا حَضَرَ الْقِسْمَةَ أُولُو الْقُرْبَىٰ وَالْيَتَامَىٰ وَالْمَسْكِينُ فَأَزْذِقُوهُمْ مِنْهُ وَقُولُوا لَهُمْ قَوْلًا مَعْرُوفًا۔
4. إِنَّ الَّذِينَ يَأْكُلُونَ أَمْوَالَ الْيَتَامَىٰ ظُلْمًا إِنَّمَا يَأْكُلُونَ فِي بُطُونِهِمْ نَارًا ۖ وَسَيَصْلُونَ سَعِيرًا۔
5. هُوَ الَّذِي أَرْسَلَ رَسُولَهُ بِالْهُدَىٰ وَدِينِ الْحَقِّ لِيُظْهِرَهُ عَلَى الدِّينِ كُلِّهِ وَلَوْ كَرِهَ الْمُشْرِكُونَ
6. الَّذِينَ إِنْ مَكَّنَّ لَهُمْ فِي الْأَرْضِ أَقَامُوا الصَّلَاةَ وَآتَوُا الزَّكَاةَ وَأَمَرُوا بِالْمَعْرُوفِ وَنَهَوْا عَنِ الْمُنْكَرِ ۗ وَاللَّهُ عَلِيمٌ بِالْمُؤْمِنِينَ۔
7. إِلَّا الَّذِينَ تَابُوا مِنْ قَبْلِ أَنْ تَقْرَأُوا عَلَيْهِمْ ۖ فَاعْلَمُوا أَنَّ اللَّهَ غَفُورٌ رَحِيمٌ
8. لِلرِّجَالِ نَصِيبٌ مِمَّا تَرَكَ الْوَالِدَانِ وَالْأَقْرَبُونَ وَلِلنِّسَاءِ نَصِيبٌ مِمَّا تَرَكَ الْوَالِدَانِ وَالْأَقْرَبُونَ مِمَّا قَلَّ مِنْهُ أَوْ كَثُرَ ۚ نَصِيبًا مَّفْرُوضًا۔
9. وَلِيخَشِ الَّذِينَ لَوْ تَرَكُوا مِنْ خَلْفِهِمْ ذُرِّيَةً ضَعِيفًا خَافُوا عَلَيْهِمْ فَلْيَتَّقُوا اللَّهَ وَلْيَقُولُوا قَوْلًا سَدِيدًا۔

IMPORTANT HADITHS FOR TRANSLATION AND INTERPRETATION:

1. خَيْرُكُمْ مَنْ تَعَلَّمَ الْقُرْآنَ وَعَلَّمَهُ۔
2. أَفْضَلُ الذِّكْرِ لَا إِلَهَ إِلَّا اللَّهُ. وَأَفْضَلُ الدُّعَاءِ الْحَمْدُ لِلَّهِ
3. طَلَبَ الْعِلْمِ فَرِيضَةٌ عَلَى كُلِّ مُسْلِمٍ۔
4. مَنْ صَامَ رَمَضَانَ إِيمَانًا وَاحْتِسَابًا غُفِرَ لَهُ مَا تَقَدَّمَ مِنْ ذَنْبِهِ۔
5. الصَّلَاةُ عِمَادُ الدِّينِ
6. كُلُّكُمْ رَاعٍ وَكُلُّكُمْ مَسْئُولٌ عَنْ رَعِيَّتِهِ۔
7. خَيْرُ النَّاسِ أَنْفَعُهُمْ لِلنَّاسِ
8. لَعَنَ رَسُولُ اللَّهِ صَلَّى اللَّهُ عَلَيْهِ وَسَلَّمَ الرَّاشِيَّ وَالْمُرْتَشِيَّ

.i

ANSWERS TO SHORT QUESTIONS:

- i. Write the rights and manners of the Holy Quran
- ii. What instructions have been given in the Holy Quran to return the property to the orphan?
- iii. Write down the four principles for the perfection of faith.
- iv. What is meant by 'Silah-e-Rahmi' (maintaining family ties)? Explain in writing.
- v. What is the importance of Modesty (Haya) in the religion of Islam?
- vi. Explain the meaning of 'Respect for Humanity'.
- vii. Write down the rights of the Ahl al-Bayt (the Family of the Prophet ﷺ).

- viii. Write the literal and terminological meaning of the hadith .
- ix. Explain the rights of neighbors.
- x. Write three sentences regarding the manners and respect for parents.
- xi. Write down three rights of children.
- xii. Write any verse of the Holy Quran regarding the” Khatamunnabiyeen” .
- xiii. Explain the virtues (significance) of Hijrah (Migration).
- xiv. Write the genealogy of Hazrat Imam Hussain .
- xv. Write the meaning of ” Ghazwa” .
- xvi. Write three objectives of Jihad.
- xvii. Write a translation of a verse of the Holy Quran regarding the importance of knowledge.
- xviii. Define in one sentence.
 - 1- Umhaat-ul- Mominin 2- Prayer (دعا) 3. Companion (صحابی)

ANSWERS TO DETAILED QUESTIONS:

- i. Explain the belief of Tawheed and write the effects of the belief of Tawheed
- ii. Write a comprehensive introduction to the Holy Quran.
- iii. Write the importance and usefulness of worship.
- iv. Write the reasons for migration to Madinah.
- v. Write the virtues and conditions of Jihad .
- vi. What social evils arise from neglecting social justice?
- vii. Write a note on importance and utility of knowledge ?
- viii. Write a note on the belief in the end of Prophethood ?
- ix. Write a note on the incident of Karbala.
- x. Write notes on Manaqib Sahaba.

MATHEMATICS

SECTION “B”

UNIT 1. “REAL AND COMPLEX NUMBERS”

Exercise 1.5

- Q.5 (i to iv)

Exercise 1.6

- Q1 (all parts)
- Q2 (all parts)
- Q3 (i, ii)
- Q4 (i, ii)

UNIT 2: “LOGARITHMS”

Exercise 2.6

- Q1 (all parts) + related examples
- Q2 (all parts)

UNIT 3: “ALGEBRAIC EXPRESSIONS AND FORMULAE”

Exercise 3.2

- Q (1 to 15) + related examples

Exercise 3.3

- Q1 (v, vii, viii)

Exercise 3.4

- Q2, 3, 4 + related examples

UNIT 4: “FACTORIZATION”

Exercise 4.3

- Q1(i to vi) Q2 (i to vi) Q3 (i to vi) + related examples

Exercise 4.6

- Q (2,3,4) + related examples

Exercise 4.7

- Q (2,3,4,5) + related examples

Exercise 4.8

- Q (1 to 8)

UNIT 5: “ALGEBRAIC MANIPULATION”

Exercise 5.3

- Q (3 to 6) + related examples

UNIT 6: “LINEAR EQUATION AND INEQUALITIES”

Exercise 6.1

- Q5 (i to ix) + related examples

Exercise 6.2

- Q (1 to 9) + related examples

Exercise 6.3

- Q1 (i to vi) + related examples

UNIT 8: “QUADRATIC EQUATION”

Exercise 8.2

- Q1 (i to v) + related examples

Exercise 8.4

- Q1, 2, 3, 4

Theorems (Short)

- Theorem No. 9.1.2 Theorem No. 11.1.4. Theorem No. 12.1.1

UNIT 13: “PRACTICAL GEOMETRY”

- 13.1 (Examples), 13.2 (Examples)

SECTION “C”

UNIT 4 “FACTORIZATION”

Exercise 4.1

Q1. (iii, iv, vi),

Q2. (i, ii, iii, iv),

Q3. (i, iv, v)

Q4. (all parts),

Q5. (i, ii, iii),

Q6. (i, ii, iii, iv),

Q7. (v, vi).

Q8. (ii, iii, iv)

Exercise 4.2

Q1. (ii, iv),

Q2. (i, iii, iv),

Q3. (i, ii, iii, iv)

Q4. (ii, iii, iv)

Exercise 4.4

Q1. (i – viii),

Q2. (i – viii)

Exercise 4.5

Q1. (i, iii, iv, v, vi),

Q2. (i, ii, iv, vi)

UNIT NO : 7 “ LINEAR GRAPH AND THEIR APPLICATION”

Exercise 7.3

Q5. (i, ii, iii, iv, vi, viii, x)

UNIT NO : 16 “ INTRODUCTION TO CO-ORDINATE GEOMETRY / ANALYTICAL GEOMETRY”

Exercise 16.2

- Q (1 to 11) + related examples

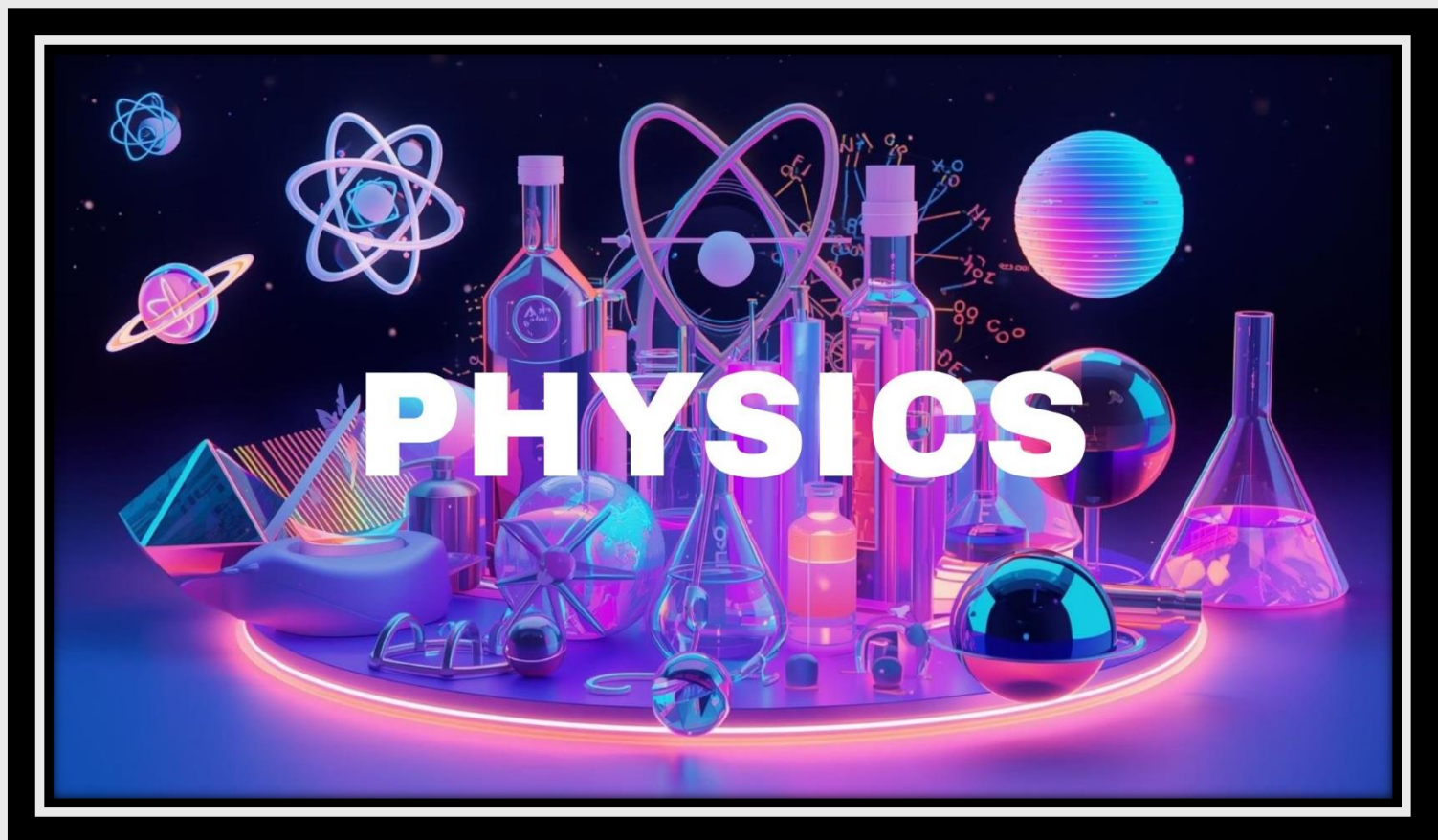
Exercise 16.3

- Q (2, 3, 4)

UNIT NO: 9

- Theorem (9.1.1) + (9.1.3) + (9.1.4)

PHYSICS



“PHYSICAL QUANTITIES & MEASUREMENT # 1”

1. Define Physics and branches of physics.
2. Write Importance of physics in daily life. **OR** Importance of Physics in Science Technology and Society
3. Write fundamental & derived quantities with name of units and symbols of units.
4. Define Density with formula and unit also write ways of measurement of density.
5. Define Significant Figures and write the Rules for determining significant figures.

Problems: W.E 4, Section B. Q 3 & Q 8

“KINEMATICS # 2”

1. Define rest and motion. Describe types of motion with examples.
2. Write the differences between:
 - i. Distance and Displacement
 - ii. Speed and Velocity
 - iii. Scalar & Vector quantities
 - iv. Translatory, Rotatory & vibratory motion.
3. Derive the equation $S = V_i t + \frac{1}{2} a t^2$ and $2aS = V_f^2 - V_i^2$
4. Define: kinematics, uniform velocity, acceleration, uniform acceleration & motion due to gravity

Problems: Section B: Equation of motion: a, b, Motion due to gravity: c, d, e.

Worked examples: 2, 3, 4, 5, 6

“DYNAMICS # 3”

1. Define: Force and Inertia, Dynamics, Friction, Coefficient of friction, uniform circular motion.
2. State Newton's Laws of motion, derive $F = ma$, also give examples of first and third law.
3. Write the differences between mass and weight
4. Define momentum. State and explain the law of conservation of momentum.
5. Derive the relation of Momentum in terms of force. ($\Delta p = Ft$)
6. Define centripetal force & write factors on which centripetal force depends, give examples. Define centrifugal force & give examples.
7. Write the advantages and disadvantages of friction.
8. Write the ways to reduce friction.

Problems: Section B: 2b, 5b, c, 7, 9c, 10b, Worked. Examples: 3, 4, 6, 7,

“TURNING EFFECT OF FORCES # 4”

1. Define: Center of gravity, Equilibrium, Static Equilibrium, Dynamic Equilibrium.
2. Define resultant force. Describe head to tail rule of vector addition of forces.

3. Define Resolution of a vector. Find rectangular components of a vector with the help of trigonometric ratios.
4. How can the magnitude of a vector be determined if its rectangular components are given and find its direction? ($F = \sqrt{F_x^2 + F_y^2}$ and $\theta = \tan^{-1}\left(\frac{F_y}{F_x}\right)$)
5. Define Torque (moment of force), write factors on which torque depends also write its unit.
6. Define Couple, prove that moment of couple is the product of one of forces and arm of couple.
7. State and describe conditions of equilibrium.
8. Explain the three states of equilibrium with the help of examples and also draw diagrams.

Problems: Section B: 3b, 4b, 6b, 8b, c. Worked. Examples: 2, 4.

“FORCES AND MATTER # 5”

1. Define: Forces acting on solids, Extension of spring, Elasticity, Hooke's Law, Elastic Limit, Atmospheric Pressure, Hydraulic Machine.
2. Define Pressure, write its formula and S.I unit, also define its unit and explain it with the help of examples.
3. Describe Pressure in fluids with the help of examples also write Factors affecting pressure in liquid.
4. State Pascal's Principle and with the help of a diagram write construction and working of Hydraulic press.

Problems: Section B: 4, 8, 9. Worked. Examples: 2, 3, 4.

“GRAVITATION # 6”

1. State Newton's Law of Gravitation and derive $F = \frac{Gm_1 m_2}{r^2}$
2. Define: Gravitation, Gravitational Field, Field Force, Artificial Satellites, Geostationary orbit. Orbit, Orbital Velocity.
3. Write down the differences between 'g' and 'G'.
4. Write the characteristics of Gravitational force.
5. Derive the formula for mass of earth. Determine mass of Earth by using Law of Gravitation.
6. Write the uses of artificial satellite.
7. Explain Newton's Law of Gravitation in the motion of satellite **OR** Derive expression for velocity of a satellite.
8. Derive expression for the time period of a satellite.
9. Expression for orbital velocity of a Satellite in terms of gravitational acceleration **OR** Derive $v = \sqrt{g_h(R + h)}$
10. Derive an expression for Critical Velocity of a Satellite and calculate its value.

Problems: Section B: 4, 7, 11, 13a. Worked. Examples: 1, 3, 4.

“PROPERTIES OF MATTER # 7”

1. Define: Matter, Brownian motion, and Kinetic Molecular Model of Matter.
2. Write Physical properties of solids, Liquids & Gases.
3. Which variables describe completely the behavior of gas on the basis of KMT.

4. Pressure - volume relationship in gases (The results of a Boyles experiment).
5. State Boyle's Law and write the applications of Boyle's law.

Problems: Section B: 7, 8 & 9. Worked. Examples: 1, 2.

“ENERGY SOURCES & TRANSFER OF ENERGY # 8”

1. Define: Energy, Elastic potential energy, Chemical potential energy, Law of Conservation of Energy, Power, and Efficiency.
2. Define work, derive formula for work ($W = F d \cos \theta$) and write its unit.
3. Define K. E. Derive the equation of $K.E = \frac{1}{2} m v^2$
4. Define Gravitational Potential Energy. Also Derive $P.E = mgh$.
5. Describe Wind Energy & write its applications.
6. Write the differences between i. ‘K.E’ and ‘P.E’ ii. Renewable Energy Source & Non-Renewable Sources.

Problems: Section B: 2, 6, 8, 17, 19, 21b, 23b, 24b. Worked. Examples: 1, 2, 3, 5.

“THERMAL PROPERTIES OF MATTER # 9”

1. Define: Heat capacity, Heat of vaporization, Thermal Expansion, Co-efficient of linear expansion, Co-efficient of volume expansion, Real Expansion, Apparent Expansion.
2. Write the differences between i. Heat and Temperature ii. Heat of fusion and heat of vaporization
iii. Evaporation and Boiling
3. Define thermometer. How many scales are there to measure temperature.
4. Define Specific heat capacity write its formula, unit, give examples.
Write factors on which heat capacity depends & write the effects due to large specific heat of water.
5. Define Heat of fusion. Describe experiment of conversion of Ice (Solid) into water liquid.
6. Define evaporation, write the factors which influence surface evaporation.
7. Define thermal expansion and derive the relation, $\Delta L = \alpha L \Delta T$
8. Define volumetric expansion and derive the relation $\Delta V = \beta V \Delta T$
9. Write the applications and consequences of thermal expansion.

Problems: Section B: 1c, 2c, 3c, 4b, 13. Worked. Examples: 1, 2, 3.

WISH YOU GOOD LUCK!!!

CHEMISTRY



PREPARATION PAPER – 2025-26

CLASS – IX CHEMISTRY

SHORT DEFINITION:

Ch # 01 Ion Free Radical Valency Element Relative Atomic Mass Molecular Mass Formula Mass Mole Avogadro's Number	Ch # 02 Isotopes Atomic Number Mass Number Electronic Configuration Aufbau Principle	Ch # 03 Ionization Energy Atomic Radius Electron affinity Electronegativity Shielding effect Periodicity
Ch # 04 dipole - dipole forces Hydrogen Bonding Metallic Bonding malleable ductile unpaired electron bond pair lone pair valence electron	Ch # 05 Absolute zero Freezing Point Boiling point Diffusion, Effusion Mobility Compressibility of Gas	Ch # 06 Collide Dilution Molarity Concentration Molar solution Aqueous solution Concentrated solution
Ch # 07 Electrochemistry Electrochemical reaction Electrochemical cell Electrolytes Non-Electrolytes Battery, Alloy Electrochemical equivalent 1 Faraday	Ch # 08 Paramagnetic Metal Hardness Mohs Scale Noble Metals Electropositivity	

DIFFERENCE:

Ch # 01 Physical and analytical chemistry Mixture and compound Atom and Ion Free Radical and Ion Molecule and Molecular ion	Ch # 02 Shells and Sub-shells
Ch # 03 Periods and Groups. Alkali metals and Halogens Ionization Potential & Electron Affinity	Ch # 04 Covalent bond & Dative bond Bond pair and Lone pair Polar & Non-Polar Bond Octet rule and Duplet rule Polar Compound and Non-Polar Compound Ionic Compound and Covalent Compound

Ch # 05 Amorphous and Crystalline solids	Ch # 06 Saturated, Unsaturated & Super-Saturated Solution
Ch # 07 Primary and Secondary cells Oxidation & Reduction Oxidizing Agent & Reducing Agents Strong Electrolytes & Weak Electrolytes	Ch # 08 Alkali metals & Alkaline Earth Metals Sodium and iron as soft and hard metal

REASONS:

Ch # 01 Explain why hydrogen and oxygen are considered as element whereas water is compound?	Ch # 02 Why do isotopes of same element have same chemical but different physical properties
Ch # 03 Why Alkaline Earth metals show irregular melting and boiling points? Why ionization energy, electron affinity and electronegativity exhibit same trend in period and group? Why do bigger size atoms have more shielding effect? Why Fluorine ion is considered as Neon atom? Why noble gases do not react with other elements at ordinary conditions?	Ch # 04 Why intermolecular forces are weaker than intramolecular forces. Why table salt has a very high melting point? Why ionic compounds are solid?
Ch # 05 Why gases diffuse rapidly? Why density of gases increase on cooling? Which gasses among CO ₂ , CH ₄ and H ₂ will diffuse faster and why? Water filled glass bottles after crack in freezer, why?	Ch # 06 Why gasoline does not dissolve in water? How are solutions beneficial for the community? Why salt dissolves in water? Why solubility of salt increases with increase in temperature? Why polar solute dissolve in nonpolar solvent? Air is a mixture of gases then why nitrogen is considered solvent
Ch # 07 Why ionic compound conduct electricity in molten or in aqueous solutions only?	Ch # 08 Why helmets of astronauts are coated with thin film of gold? Why glass surface is coated with gold? Why gold is used in Jewelry? Why platinum is used as catalytic converter in vehicles?

THEORY BASED SHORT QUESTIONS:

Ch # 01

1. Define free radical and ion with example.
2. Write down Classification of molecule.
3. Write three sentences on importances of chemistry.
4. Write down one contribution of each of the following scientists in the field of chemistry

Jabir Bin Haiyan, Al Razi, Aristotle, Democritus, Scheele, J. Priestly, J. Black, J. J. Berzelius, H. Cavendish, Rutherford, Eric Cornell

Ch # 02

1. What are the limitations of Bohr's atomic model?
2. What is wave particle duality of electron of De Broglie Hypothesis?
3. Justify that Rutherford Atomic model has defects.
4. Describe the Chadwick's Experiment for the discovery of neutrons. Also write down three properties of neutrons.
5. Write down the applications of any three isotopes.
6. Write down the characteristics of cathode rays.
7. Write down the names of sub-atomic particles, their masses in a.m.u with their unit charges.
8. What are isotopes? Describe isotopes of Hydrogen, Carbon, Chlorine, Uranium

Ch # 03

1. State the following laws:
 - Dobereiner's law of triad
 - Newland's law of octaves
 - Mendeleev's periodic law
 - Modern periodic law
2. Write down the properties of Transition Element..
3. Enlist the characteristics of Halogen and Nobel gases.
4. Explain the trend of ionization energy, electron affinity and electronegativity in groups and periods.
5. Identify the highly electronegative group of periodic table. Enlist the elements of this group. Give three common characteristics of these elements.

Ch # 04

1. Define dipole - dipole forces, malleable and ductile.
2. What are the uses of adhesive materials.
3. Explain the importance of glues and epoxy resins in our society

Ch # 05

1. Define Allotropy Discuss the allotropes of carbon with the structures of diamond and graphite
2. Define plasma. Write down any three applications of plasma in our daily life.
3. How kinetic molecular theory differentiates states of matter?
4. Define diffusion. Discuss how shapes and size of molecules affect the rate of diffusion in liquids.
5. Define boiling point. How boiling point is affected by different factors?

Ch # 06

1. What is suspension? Give four daily life examples.
2. What is Tyndall effect? How it is used in the identification of true or colloidal solution.

Ch # 07

How redox reaction occurs during photosynthesis?

Ch # 08

Explain inertness of noble metals.

Explain electronegative character of non-metals.

Explain importance of Gold / Silver.

Discuss alloys of gold.

Discuss qualitative analysis of cation like Zn^{2+} .

How magnesium used for cathodic protection.

EXERCISE BASED SHORT QUESTIONS:**Ch # 01**

Write down the chemical, empirical and molecular formula of the following:

- * Sulphuric acid, * Carbon dioxide,
- * Glucose, * Gypsum
- * Benzene, * Sugar,
- * Washing soda * Baking soda
- * Caustic soda * Lime stone
- * Acetic acid * Hydrogen per oxide

Identify:

That chlorofluoro compounds are responsible for depletion of ozone layer?

That investigates the properties of ammonia gas

That find out the quantity and quality of paracetamol in Panadol tablet.

Ch # 02

Draw the Isotopes of

- * Hydrogen * Carbon * Uranium *
- Chlorine

Ch # 03

No Questions added

Ch # 04

Draw electron dot and cross structures for the following molecules:

- H_2O , CCl_4 , CO_2 , C_2H_4 , C_2H_2 , CH_4 , N_2 , Cl_2 , H_2

Ch # 05

No Questions added

Ch # 06

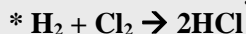
No Questions added

Ch # 07

Identify the oxidizing agent and reducing agents from the following

- * Al * Na * H_2S
- * H_2SO_4 * $KMnO_4$ * Zn

Identify the oxidizing agent and reducing agents from the following reactions:



Identify Strong and Weak Electrolytes from the following?

- * $HCl_{(aq)}$ * $KI_{(aq)}$
- * $NaOH_{(aq)}$ * $H_2S_{(aq)}$
- * $CH_3COOH_{(aq)}$ * $NH_4OH_{(aq)}$

Define alloys and write the names of following alloys:

- * Cu - Zn
- * Cu - Al - Mg - Ni
- * Cu - Zn - Sn

Ch # 08

No Questions added

NUMERICAL BASED SHORT QUESTIONS:

Ch # 01 Book's Questions # (Page 32) 01, 02, 03, 04 and 05 Book's Solved Examples # (Pg 24 to 28) 1.5, 1.6, 1.7, 1.8 1.9, 1.10, 1.11 Book's Solved Examples # (Pg 17 , 18) 1.1, 1.2, 1.3, 1.4 Balancing Equation from Book and Past Papers	Ch # 02 Book's Questions # (Page 54) 02 (Sec-B), 08 (Sec-C)
Ch # 03 No Questions added	Ch # 04 No Questions added
Ch # 05 Book's Questions # (Page 119) 01 to 06 Book's Solved Examples # (Pg100) 5.1 & 5.2 Book's Solved Examples # (Pg 101-02) 5.3, 5.4	Ch # 06 Book's Questions # (Page 143) 01 to 07 Book's Solved Examples # (Pg 124-125) 6.1 & 6.2 (Pg 128-129) 6.3, 6.4 (Pg 130-133) 6.5, 6.6, 6.7
Ch # 07 No Questions added	Ch # 08 No Questions added

DETAILED QUESTIONS

Ch # 01 1. Define chemistry. What are Green chemistry and Environmental chemistry? Discuss how they are helpful in reducing pollution. OR What do you mean chemical species? Explain ion, molecular ion and free radical	Ch # 02 1. Describe the discovery of cathode rays through Discharge Tube Experiment with labeled diagram. Also write down the properties of cathode rays. 2. Describe the postulates of Bohr's Atomic Model? 3. Discuss Rutherford's gold foil experiment in the light of structure of atom. 4. Derive the De Broglie's formula for the wavelength associated with an electron using Einstein and Max Planck's energy equations. 5. Describe the Schrodinger atomic model.
Ch # 03 1. State Modern Periodic Law. What are periods in the Modern Periodic Table? Explain them. 2. Determine the demarcation of periodic table in to s, p, d and f blocks.	Ch # 04 1. Define ionic bond. Discuss the formation of sodium chloride (NaCl) OR magnesium oxide (MgO). 2. Describe the formation of a covalent bond between two nonmetallic atoms. Explain single, double and triple covalent bond with examples. 3. What is dative bond? Explain the formation of NH ₃ and HCl.
Ch # 05 1. State Boyle's Law and Charles' Law. Also derive their formulae for initial and final states of a gas 2. Write down all the postulates of Kinetic Molecular Theory (KMT) for gases	Ch # 06 1. Define the term solubility. Briefly explain all the factors affecting solubility. OR Explain general principal of solubility. / Explain factors that affect solubility.

3. **Define evaporation. Discuss all the factors on which evaporation depends**
4. Describe the process of diffusion in liquids? State factors which influence it. / how boiling is affected by different factors

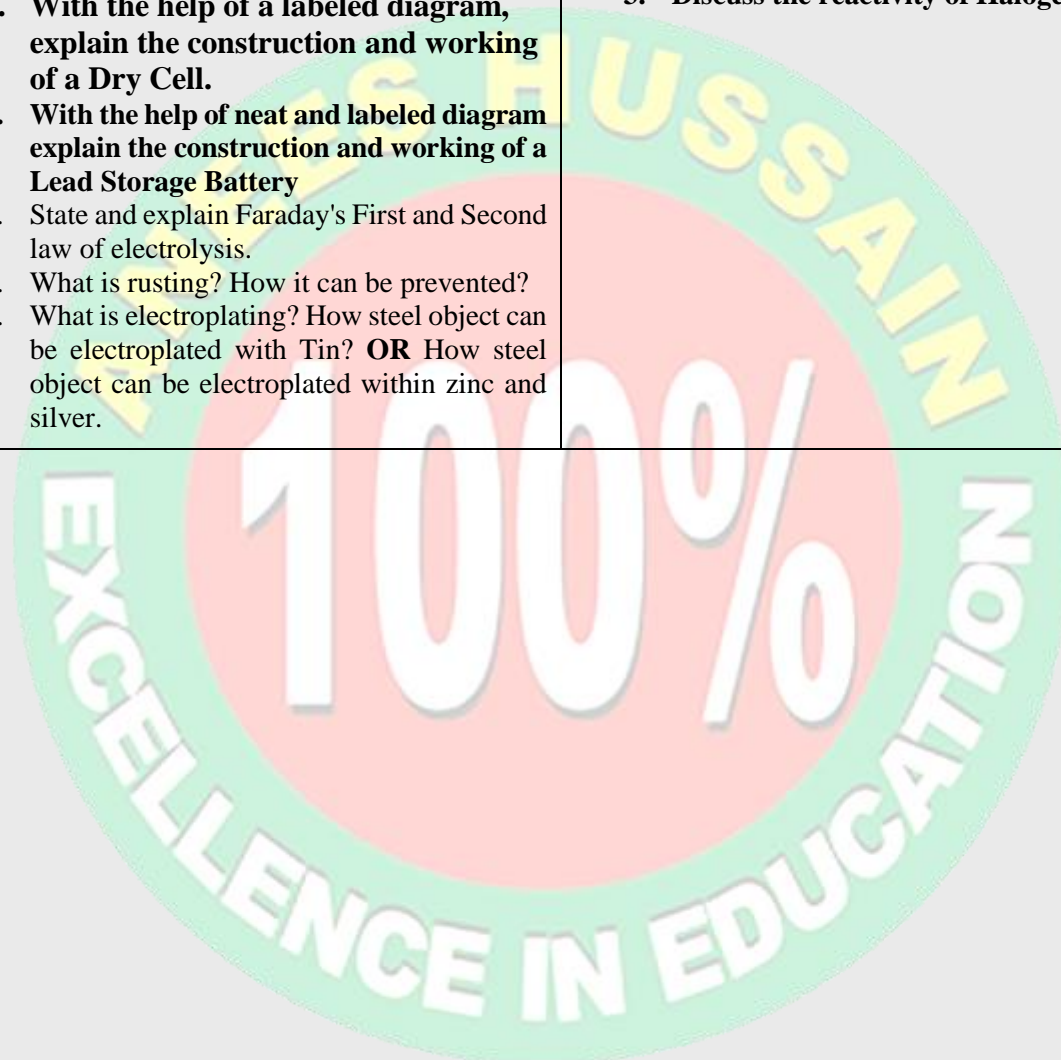
- OR** Explain solubility with reference to like dissolve like principle.
OR Explain the attraction of Na^+ and Cl^- ions for water molecule?
2. **Compare the properties of solution, colloid and suspension.**
 3. How dilute solution is prepared from concentrated solution?

Ch # 07

1. **Explain electrolysis with labeled diagram along with necessary cell reactions.**
2. **With the help of a labeled diagram, explain the construction and working of a Dry Cell.**
3. **With the help of neat and labeled diagram explain the construction and working of a Lead Storage Battery**
4. State and explain Faraday's First and Second law of electrolysis.
5. What is rusting? How it can be prevented?
6. What is electroplating? How steel object can be electroplated with Tin? **OR** How steel object can be electroplated within zinc and silver.

Ch # 08

1. Explain experimental test for Cl^- and I^- .
2. Discuss the position and importance of Na in periodic table.
3. **Discuss the reactivity of Halogens.**



BIOLOGY



CHAPTER # 01

Introduction To Biology

Short Questions:

1. Define the Branches of Biology:
2. What are the contribution of Muslim Scientist:
3. Describe the Relationship of Biology with other fields:
4. Define Careers in Biology:

Long Question:

5. Describe the Level of Organization in living organism along with a flow chart:

CHAPTER # 02

Solving A Biological Problem

Short Questions:

1. What are the steps to solve a biological problems? Define them:
2. Describe Data organization and data analysis with example:

Long Questions:

3. Describe the solution of a biological problem using the case of malaria:

CHAPTER # 03

Biodiversity

Short Questions:

1. What are the aims of Biodiversity:
2. What are the principles of biodiversity:
3. Explain the term Taxonomic Hierarchy along with units of classification:

Long Questions:

4. What are the causes and effects of deforestation?
5. Describe the Binomial Nomenclature system:
6. Describe Kingdom Classifications in detail along with flow charts of each classification:
7. Define Conservation of biodiversity and also write its causes & effects:

CHAPTER # 04

Cell And Tissue

Short Questions:

1. Write the types of microscope:
2. What are the postulates of Cell theory?
3. Describe Cell and its organelles:
4. Difference between:
 - * Animal and Plant cell.
 - * Prokaryotes and Eukaryotes
 - * Nervous tissue and Muscle tissue:

Long Questions:

5. Explain Plant Tissues and its types in detail:
6. Explain animal tissues and its types in detail:
7. Describe Cell Membrane: Also describe Fluid Mosaic Model in detail:

CHAPTER # 05

Cell Cycle

Short Questions:

1. Explain Mitosis cycle in detail along with diagram:

2. Define Cell Death: Also describe Apoptosis and Necrosis

Long Questions:

3. Explain the mechanism of Meiosis cycle along with diagrams:

CHAPTER # 06

Enzymes

Short Questions:

1. What are the properties of enzymes
2. Explain the Factors that are affecting enzymatic activity: Also draw its graph:
3. What are the Mode of action of enzymes: (Lock and Key theory & Induced Fit Model)

CHAPTER # 08

Nutrition

Short Questions:

1. Write types of Heterotrophic nutrition:
2. How organism obtain nutrition: explain in organism amoeba along with its diagram:
3. What is Malnutrition and write its types:
4. What are the disease caused by deficiency of protein:
5. What are the diseases caused by deficiency of minerals:
6. Describe Role of Nitrogen and Magnesium

Long Questions:

6. Explain the mechanism and components of Human Digestive system in detail:
7. Write components of human food in detail:

CHAPTER # 07

Bioenergetics

Short Questions:

1. What is Bioenergetics and describe the role of ATP:
2. Define photosynthesis along with its formula:
3. What is limiting factor?

Long Questions:

4. What is Photosynthesis: What are the phases of Photosynthesis:
5. Describe Respiration and its types in detail: Also Describe mechanism of respiration Step by Step:

CHAPTER # 09

Transport

Short Questions:

1. Describe Structure of Root:
3. Describe active and passive transport:
4. Describe the process of uptake of water from soil and mineral transport:
5. What is the mechanism of opening and closing of stomata:
6. Write down the factors that are affecting the rate of transpiration:
7. Define Transpiration:
8. Write the mechanism of transport of water and food in stem:
9. How many types of circulatory system are present in living organism: Explain them:

Long Questions:

10. Explain the mechanism of transport in Man in detail:
11. Write a short note on disorders of Blood:
12. Explain the Cardiovascular disorders:

COMPUTER



CHAPTER NO.1: FUNDAMENTALS OF COMPUTER

1. Discuss the use of computer in any two fields of life.
2. Difference between compiler and assembler.
3. Define bus and its types.
4. Difference between impact and non impact printers.
5. Write the use of hard disk, USB Flash drive and SD card.
6. Difference between softcopy and hardcopy.
7. Difference between RAM and ROM.
8. Make a list of all components you find on motherboard.
9. Write any three advantages of 1st generation of computer.
10. Write any three disadvantages of 2nd generation of computer.
11. Difference between system software and application software.
12. Define types of computer by purpose.
13. Difference between keyboard and mouse.
14. Describe Artificial Intelligence with examples.
15. Describe computer hardware with its main components.
16. Describe computer software with its types.
17. Write some fields or career in Information Technology.
18. Make a list of evolution of computer and explain any one of them.
19. Describe types of computer by capacity or size in detail.
20. Describe evolution of computer with Mechanical Era.

CHAPTER NO.2: FUNDAMENTALS OF OPERATING SYSTEM

1. Why it is important to install antivirus software in computer?
2. Difference between CLI and GUI.
3. Write the functions of operating system
4. Describe types of operating system in detail.
5. Which resources are managed by Resource management function of Operating system?
6. Difference between single user and multi user operating system.
7. What is the purpose of office automation software?
8. List out the programs available in Ms office and explain any one of them.
9. Difference between hard real time and soft real time Operating system.

CHAPTER NO.3 : OFFICE AUTOMATION

1. How can we apply margins in a documents?
2. Define sorting in Ms Excel
3. List any four uses of spreadsheet in business.
4. Why do we use watermark in a document? Give some examples of watermarks.
5. Difference between Ms word and Ms excel.
6. Define TOC how create table of content?
7. Describe different types of breaks in Ms Word
8. What is word processor? Write any three applications of a word processor.
9. Name and describe two options in Orientation.

10. Define the following features of Ms word:
* bring forward * send backward * columns * wrap text

CHAPTER NO.4: DATA COMMUNICATION AND COMPUTER NETWORKS

1. What is a network switch?
2. Define TCP / IP model.
3. Define the term analogue signal and digital signal.
4. Difference between baud rate and bit rate.
5. Write properties of good communication system.
6. Define Modem.
7. Difference between physical address and logical address.
8. List the causes of signal impairments explain any one of them.
9. List one merit and one demerit of each topology.
10. Give one example of LAN, WAN AND MAN.
11. Difference between LAN and MAN.
12. List out all OSI model layers in standard form and explain any two of them.
13. Difference between radiowave and microwave.
14. Describe transmission medium with its types in detail.
15. Explain the purpose of standard organization.

CHAPTER NO.5: COMPUTER SECURITY AND ETHICS

1. What is Authentication Mechanism?
2. What is Ethical hacking?
3. Define malware and its types.
4. Define antivirus program.
5. What do you know about patent and copyright?
6. Explain computer crime in our daily life.
7. What are the ways to spread viruses in computer? Explain in detail.
8. Why is computer security important? Write any three reasons.
9. Why is information accuracy important?
10. Write any two measures to avoid email account hacking.
11. Give three examples of Phishing.
12. What is an Intellectual property Rights?
13. Define computer virus.
14. Write any six professional ethics in computer field.
15. Write some lines about clickjacking.

CHAPTER NO.6: WEB DEVELOPMENT

1. Write any three differences between ordered list and unordered list.
2. Define Hyperlink in HTML.
3. Define the term WWW used on the internet.
4. Briefly describe any six types of websites.
5. Differentiate between web hosting and web server.
6. Identify and explain some HTML tags used for formatting of the content.
7. What kind of HTML elements are used to display data in rows and columns? Discuss some of its formatting features.
8. How are image displayed in an HTML page?
9. How can a user be redirected to another web page?
10. List out all web development terminologies and explain any six of them.

CHAPTER NO.7: INTRODUCTION TO DATABASE SYSTEM

1. Write three benefits of using relationship in database.
2. Difference between DBMS and Flat file system.
3. Define DBMS.
4. Define data types used in database.
5. Write some database software used in these days.
6. Draw and define the components of ER diagram.
7. Describe different types of relationship used in database.
8. Describe major components of DBMS.

NOTE:

- (1) All questions included in weekly and monthly tests conducted throughout the session are important.
- (2) Reading book is mandatory. Students must go through the contents of the book for comprehensive and Annual Examination.

