اسلامیات دہم کلاس گیس پیپر ۲۰۲۳

تمام پنجاب بورڈ ۔ لاہور ۔ روالپنڈی ۔ ساہیوال ۔ گجرانوالہ ۔ ملتان ۔ فیصل آباد ۔ سرگودھا ۔ بہاولپور ۔

ڈیرہ غازی خان ۔ آزاد کشمیر۔

مختصر سوالات : سورۃ احزاب : سورۃ الاحزاب میں ازدواج مطہرات کی جزا و سزا کے بارے میں کیا جانتے ہیں ۔ سورۃ الاحزاب کی رو سے رسول اللہ صلی اللہ علیہ وسلم کے ہاں دعوت کے دو آداب تحریر کریں ۔ سورۃ الاحزاب میں قیامت کے متعلق کیا فرمایا ۔ کفار کا لشکر دیکھ کر مسلمانوں نے کیا کہا؟ ۔ سورۃ احزاب میں آپ کے لیے نکاح کے بارے میں خصوصی ضوابط بیان ہوئے ہیں ۔ اللہ اور اس کے رسول صہ کے فیصلوں کے بارے میں اہل ایمان کا کیا طرز عمل ہونا چاہیے ۔ سورۃ الاحزاب میں ازدواج مطہرات سے سوال کرنے کا کیا طریقہ بتایا گیا ۔ سورۃ الاحزاب کی ابتدأ میں رسول اللہ صہ کو کن باتوں کی تلقین کی گئی ہے ۔ سورۃ الاحزاب میں منہ بولے بیٹوں کے متعلق کیا ہدائت دی گئی ہیں ۔ مومن عورتوں کے چار اوصاب ۔ اللہ تعالی نے سورۃ احزاب میں رسول اللہ صہ کا کیا مقام و منصب بیان کیا ہے ۔ غزوہ احزاب میں رسول اللہ صلی اللہ علیہ وسلم کو کن باتوں کی تلقین کی گئی ہے ۔

سورۃ الممتحنۃ : سورۃ الممتحنۃ کے مطابق حضرت ابراہیم رضہ نے اپنی قوم سے کیا فرمایا؟ وضاحت ۔ سورۃ الممتحنۃ کے مطابق کون سے لوگ ظالم ہوں گے ۔ سورۃ الممتحنۃ حضرت ابراہیم علیہ کے اسوہ حسنہ کی پیروی کا حکم ہے ۔ سورۃ الممتحنۃ کے حوالے سے اسلام دشمنوں کے ساتھ مسلمانوں کا رویہ کیا ہونا چاہیے ۔ حضرت ابراہیم علیہ نے اپنے رب سے کیا دعا فرمائی ۔ کون سے کفار کے ساتھ نیکی کرنے سے منع نہیں کیا گیا ۔ کفار کی دشمنی دوستی میں کیسے تبدیل ہوسکتی ہے ۔

مختصر سوالات : غسل کے فرائض ۔ بیوی کے دو حقوق ۔ صبر کے چار فوائد ۔ جنگی قیدیوں کے حقوق ۔ نماز کے بارے میں حدیث ۔ شکر کے بارے میں حدیث ۔ عائلی زندگی کے دو مقاصد ۔ والدین کے دو حقوق ۔ صبر کی اہمیت ۔ خطبہ حجۃ الوداع کو بیان کریں ۔ قتل غیر عمد سے کیا مراد ہے ۔

حصہ دوم

قرآنی آیات کا ترجمہ : سورۃ الاحزاب : آیت : 1,4,6,12,14,21,23,27,31,36,40,43,45,47,48,49.56.63

سورۃ الممتحنۃ : آیت : 1,2,5,7,9,12,13

احادیث : 11 , 12, 13, 15, 16, 20

موضوعاتی مطالعہ : قرآن وحدیث کی روشنی میں طہارت ۔ قرآن وسنت میں شکر کی کیا اہمیت ہے ۔ خاندانی نظام کی اہمیت ۔ وضو کا طریقہ ۔ شکر کے لغوی معنی کیا ہیں ۔ نیز شکر ادا کرنے کا طریقہ ۔ اولاد کے حقوق وفرائض ۔ زوجین کے حقوق وفرائض ۔

نالج اینڈ میڈیا گروپ

اگر آپ "نالج اینڈ میڈیا گروپ" میں ایڈ ہونا اور مندرجہ ذیل مواد حاصل کرنا چاہتے ہیں ۔

★ PDF کتابیں	★ CSS بکس/نوٹس	★ PPSC بکس/نوٹس
★ تمام پاکستانی اخبارات	★ انٹرنیشنل اخبارات	★ انٹرنیشنل میگزین اور سنڈے میگزین
★ نوکریوں کے اشتہارات	★ نالج	★ ایجوکیشن انفارمیشن
★ میڈیا نیوز	★ نیوز پیپرز، نیوز ہیڈلائنز	★ سکول، کالج اینڈ یونیورسٹیز ایڈمیشن انفارمیشن
★ ویب سیریز، فلمیں، ڈرامے	★ ناولز	★ تمام بورڈز کے سالانہ رزلٹ
★ آرٹیکلز	★ بکس	★ سلائی، کوکنگ، ہیلتھ اینڈ بیوٹی ٹپس
★ مہندی، ہیئر اینڈ حجاب اسٹائل	★ کارٹونز اینڈ کارٹونز کہانیاں	★ اسپورٹس ویڈیوز
★ نیوسٹیٹس سونگس	★ پاکستانی ڈرامے، ٹاک اینڈ گیم شوز	★ سبق آموز، معلوماتی اینڈ دلچسپ ویڈیوز
★ اسلامک انفارمیشن/ویڈیوز	★ ملکی سیاسی صورتحال	★ جابز کی تیاری کیلئے بکس/نوٹس
★ کرنٹ افیئرز	★ تاریخی معلومات	★ پاسٹ پیپرز اینڈ سلیبس

لیڈیز/فیمیل ممبرز کے لئے الگ گروپ کی سہولت موجود ہے جس میں صرف لیڈیز ایڈ ہیں ۔

گروپ رولز

آپ تمام ممبران سے گزارش ہے کہ:

اگر کسی ممبر کو کوئی معلومات یا کوئی مواد (بکس/نوٹس) چاہئے ہو تو ایڈمن کا نمبر اپنے موبائل میں سیو کرکے سکرین شاٹ کے ساتھ ایسے میسیج کرے ورنہ ایسے میسیج نہ کرے ورنہ آپ کو کوئی جواب نہیں ملے گا۔ (واٹس ایپ کی نیو پالیسی کے مطابق واٹس ایپ پر کسی کو بھی میسیج کرے تو پہلے اس کا نمبر سیو کرے ورنہ آپ کا نمبر بلاک کر دیا جاتا ہے۔

اگر کسی ممبر نے ایڈمن کو واٹس ایپ پر پرائیویسے کال، مس کال کی تو فوراً ریموو کر دیا جائے، واٹس ایپ پر میسیج کرے اور واپسی میسیج کا انتظار کرے۔

گروپ میں معزز، پڑھے لکھے، سلجھے ہوئے ممبر موجود ہیں اخلاقیات کی پابندی کریں اور گروپ رولز کو فالو کریں بصورت دیگر ممبر کی بہتری کی خاطر ریموو کر دیا جائے گا۔

کوئی بھی ممبر کسی ممبر کو ان باکس میں میسیج، مس کال، کال نہیں کرے گا۔ رپورٹ پر فوری ریموو کرکے کارروائی عمل میں لائی جائے گی۔

تمام کتب انٹرنیٹ سے تلاش/ڈاؤنلوڈ کرکے فری آف کاسٹ "نالج اینڈ میڈیا" کے واٹس ایپ گروپس میں شیئر کی جاتی ہیں۔ جو کتب/نوٹس نہیں ملتی اس کیلئے معذرت کر لی جاتی ہے۔ جس میں محنت بھی ہوتی ہے لیکن آپ سے ہمیں صرف دعاؤں کی درخواست ہے۔

دہم کلاس اردو گیس پیپر ۲۰۲۳

حصہ نظم ۲۔ درج ذیل نظم و غزل کے اشعار کی مختصر تشریح۔

حمد: اسی نے۔۔۔۔۔۔بھر عالم نظام آسمانی۔۔۔۔۔۔باغبانی زمین پر جلوہ۔۔۔۔۔۔۔۔۔۔دسترخواں نعمت کے

مختصر سوالات:(ج) معروضی: (الف)(ج)

نعت: غریبوں کی ناں۔۔۔۔۔۔قرار آ گیا ہے۔ سب انسان کو انسان۔۔۔۔۔۔آ گیا ہے مختصر سوالات:(ج)(ہ) معروضی۔(ج)(د)

میدان کربلا میں گرمی کی شدت: گرمی کا۔۔۔۔۔۔برستی تھی خاک پر شہ را اٹھتے تھے۔۔۔۔۔۔دانہ زمین پر گرداب یہ تھا۔۔۔۔۔۔کباب تھی

مختصر سوالات:(ب)،(د) معروضی:الف۔ب۔ج۔د۔ہ

کسان: یہ سماں۔۔۔۔۔۔پرودگار جلوہ قدرت نورگاہ۔۔۔۔۔۔دوڑتی ہے۔نبض خاک پر سرنگوں رہتی۔۔۔۔۔۔تہذیب کی

مختصر سوالات: ب۔ج۔ہ۔و معروضی: ج۔ہ۔ز

پاکستان: جیو جیو۔۔۔۔۔۔من پنچھ جب پنکھ۔۔۔۔۔۔دھن لہراتے بچھڑ گئے۔۔۔۔۔۔سورج بن کراآیا جھیل گئے۔۔۔۔۔۔۔۔۔نام ہمارا

مختصر سوالات: ب۔ج۔ہ

اونٹ کی شادی: شتر کے گھر۔۔۔۔۔۔مہارے ہے میرا مرے بنے دکھ۔۔۔۔۔۔نکیل لڑی میاں شتر۔۔۔۔۔۔قید آزادی۔ مجھے بیاہ۔۔۔۔۔۔کس کروٹ

مختصر سوالات: ب معروضی:الف۔ب۔د۔ہ

مال گودام: اس میں ایسی۔۔۔۔۔۔وصال ڈگمگا جائے۔۔۔۔۔۔مجال معروضی: ب۔د۔ہ

غزل: **حسرت موہانی:** مصیبت۔۔۔۔۔۔ہوئی ہے میں درماندہ۔۔۔۔۔۔ہوئی ہے مختصر سوالات:۵

جگر: آدمی آدمی۔۔۔۔۔۔ملتا ہے سلسلہ فتنہ۔۔۔۔۔۔ملتا ہے معروضی: د۔ہ۔و

فراق گورکھپوری: میسر میں سودا۔۔۔۔۔۔بھروسہ بھی تمہیں ایک مدت تیر۔۔۔۔۔۔ایسا بھی نہیں بات یہ ہے۔۔۔۔۔۔صحرا بھی نہیں

ہم اس منھ۔۔۔۔۔۔اچھا بھی نہیں ایک مدت سے۔۔۔۔۔۔ایسا بھی نہیں ترے رتبہ۔۔۔۔۔۔ہوئی ہے۔

مختصر سوالات: ج معروضی: ب۔ج

۳۔ نثر پاروں کی تشریح: سبق ۔مرزا محمد سعید ۔ نظریہ پاکستان۔ نام دیو مالی۔ علی بخش۔ استنبول۔ خطوط رشید احمد صدیقی

۴۔ مختصر سوالات کے جوابات: سبق ۔ نظریہ پاکستان۔علی بخش۔نام دیو مالی۔استنبول۔خطوط رشید احمد صدیقی۔فاطمہ بنت عبداللہ۔کسان

۵۔ سبق کا خلاصہ: مرزا سعید۔علی بخش ۔دیو مالی۔اردو ادب میں عید الفطر۔ پرستان کی شہزادی۔استنبول

۶۔ درج ذیل عنوانات میں سے کسی ایک پر مضمون لکھئے۔ یوم آزادی۔عیدین۔علم کے فائدے۔سائنس کے کرشمے۔ چاندی رات۔محنت کی برکتیں

۷۔ عبارت کو غور پڑھیں اور سوالات کے جوابات دیں۔

زبانوں کے دو مشہور۔۔۔۔۔۔تعلق رکھتی ہے۔ اسلام نے لفظ قوم۔۔۔۔۔۔فوقیت حاصل ہے۔

سکون کے وقت سمندر کا نظارہ۔۔۔۔۔۔ہوتا ہے۔ ہم عصر دوں اور ہم۔۔۔۔۔۔باندھا ہے

قائداعظم ہمیشہ سے ایماندار۔۔۔۔۔۔عظیم کا رنامہ ہے۔ اقبال کی انفرادیت لیا۔۔۔۔۔۔عطا کیا

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2,   Answer of the following questions.   10

UNIT NO.1   Hazrat Muhammad S.A.W.A an embodiment of Justice.
                 P.T.B.B- Page No. 8
                 Question No. 2. 4. 6

UNIT NO.2   Chinese New Year.
                 P.T.B.B. Page No.   20
                 Question No. 1.2.5.7

UNIT NO. 4   First Aid
                 P.T.B.B. Page No.44
                 Question No.1 , 4,5,6

UNIT No. 6   Television Vs Newspaper
                 P.T.B.B. Page No.72
                 Question No.1, 3, 6, 7

SECTION – II

3.   Translate in to Urdu.   8
      1.   Hazrat Muhammad (S.A.W.W) practically………   Unit No. 1
            paragraph – 2 Page No. 2
      2.   During the sermon…………………   Unit No. 1
            Paragraph – 4 Page No. 3
      3.   Chines New Year is a holiday……..   Unit No. 2
            Paragraph – 1 Page No.16
      4.   Another popular custom is………..   Unit No. 2
            Paragraph – 3 Page No.17
      5.   On the eve of the Chinese…………   Unit No. 2
            Paragraph – 4 Page No.17
      6.   It is a traditional practice for………   Unit No. 2
            Paragraph – 5 Page No. 17
      7.   Chinese New Year is a time ……… Coming year   Unit No. 2
            Paragraph – 7 Page No. 18
      8.   Handing minor ………. Care of all   Unit No. 3
            Paragraph – 2 Page No.38
      9..   Newspapers do not require………..   Unit No. 6
            Paragraph – 2 Page No. 68
      10.   Each Medium has strength…………   Unit No. 6
            Paragraph – 6 Page No. 69
4.   Write down the summary.   5
      i.   The Rain   ii. Try Again
                              OR
      Paraphrase the following lines in to simple English with reference to the context.
      I hear leaves drinking rain………….. These green leaves drinking near.
      If we strive, 'tis no disgrace………… What should you do in that case?
      And when the sun comes out……….. A wondrous light will fill each dark, round drop.

5. Write an essay of 150-200 words on any ONE of the following topic.   15
   a) Life is Big city   b) Sports and game.   c) The True Muslim   d) Courtesy
   e) My last day at school.

<div align="center">OR</div>

   Write the Paragraph:
   The Teacher I like the best. The River in Flood, Allama Iqbal

6. Change indirect form.   5
   The said , " Our teacher is on leave".
   The teacher said,"Who is the author of this book".
   The mother said to her daughter, "May God bless you with a son!"
   Roshana said ,"Let us finish our work first."
   She will say, " He did not come up to my expectations."
   He said."she will go there".
   The teacher will say, "You have done your work very well".
   He said," May Allah help me do my duty."
   The refree said,"quiet, please".
   He said, " Hurrah! I have won the medal!"

7. Use any FIVE of the following pair of words in your own sentences.   5
   Die, Dye, Principal, Principle, Sationary, Stationery, Waste, Waist, Affect, Effect
   Advice, Advise, Fair, Fare, Quiet, Quite, Peace, Piece , Drop, Droop

8. Translate the following paragraph into English.   8
   Paragraph No. 2, 4, 5, 7, 8, 9, 10, 13, 14, 15, 16, 17, 19, 22, 23, 24, 25, 27, 33, 38

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CHAPTER NO. 9:   CHEMICAL EQUILIBRIUM
KNOWLEDGE BASED QUESTIONS: 50%
1. Define chemical equilibrium state?
2. Why is equilibrium state attainable from either way?
3. What is static equilibrium state?
4. What is dynamic equilibrium state?
5. What are irreversible reactions? Give a few characteristics of them?
6. Define chemical equilibrium state.
7. Give the characteristics of reversible reaction.
8. How dynamic equilibrium is established?

UNDERSTANDING BASED - 35%
1- Why reversible reaction never complete?
2- Why the amount of reactants and products do not change in a reversible reaction

APPLICATION BASED – 15%
1. Why the extent of a reaction can be predicted.

LONG QUESTION
1. Describe equilibrium constant and its units..
2. Write down the macroscopic characteristics of dynamic equilibrium
3. State the law of mass action and derive the expression for equilibrium constant for general reaction.
4. Describe the characteristics of reversible and irreversible reactions? Give example.
5. Write down the macroscopic characteristics fo forward and reverse reactions.

CHAPTER NO. 10:   ACID, BASES AND SALTS
KNOWLEDGE BASED QUESTIONS: 50%
1. Define a base and explain that all alkalis are bases, but all bases are not alkalis.
2. Define Bronsted-Lowry base and explain with an example that water is Bronsted-Lowry base.
3. Name two acids used in the manufacture of fertilizers.
4. Define pH. What is the pH of pure water?
5. Na_2SO_4 is neutral salt while $NaHSO_4$ an aid salt. Justify.
6. Give a few characteristics Properties of Salts.
7. Name an acid used in the preservation of food.
8. Why H^+ ion acts as a Lewis Acid?
9. How can you Justify the $Pb(OH)NO_3$ is a basic salt?
10. What kind of bond is formed between Lewis acid and a base?

UNDERSTANDING BASED - 35%
1. Why BF_3 behaves as a Lewis acid?
2. Why pure water is not a strong electrolyte?
3. Why ionic-product constant of water is temperature dependent?
4. Define hyper acidity.
5. How conjugate acids and conjugate bases are formed?
6. What is indicator? Give two example

APPLICATION BASED – 15%
1. Differentiate between 'p' and 'pH'.
2. How will you justify salts are neutral compounds?

LONG QUESTION

1. What are conjugate acids and bases? Explain with example
2. Explain the Lewis concept of acids and bases.
3. Describe the reactions of acids with metals.
4. What are indicators? Explain.
5. Write notes on basis salts and double salts.

NUMERICAL:

1. Calculate the pH of 0.1 M KOH?
2. Calculate the pOH of 0.004 M 0.004 M HNO3?

CHAPTER NO.11   ORGANIC CHEMISTRY

KNOWLEDGE BASED QUESTIONS: 50%

1. What is meant by the term of Catenation?
2. How is coal formed?
3. What is the important of natural gas?
4. How are alkyl radical formed? Explain with examples.
5. What is the difference between n-propyl and isopropyl radicals? Explain with structure.
6. Define functional group with an example.
7. What is ester group? Write down the formula of ethyl acetate.
8. Write down the dot and cross formulae of n-butane and isobutene
9. Write classification of coal
10. Compare the homocyclic and heterocyclic compounds.
11. What is condensed formula? Give an example

UNDERSTANDING BASED - 35%

1. Why and how carbon complete its octet?
2. Why are the melting and boiling points of organic compounds low?

APPLICATION BASED – 15%

1. What is coke? For what purpose it is used?
2. Which is the best quality of coal?
3. What is destructive distillation?
4. How is an alcohol tested?

LONG QUESTION

1. How is coal formed? What are the different types of coal?
2. What is destructive distillation of coal?
3. What are alkyl radical? Write down the radicals of propane and butane.
4. Write down the characteristics of homologous series.

CHAPTER NO. 12   HYDROCARBONS.

KNOWLEDGE BASED QUESTIONS: 50%

1- Difference between saturated and unsaturated hydrocarbon.
2- Why the alkanes are called 'paraffins'?
3- Why are the alkanes used as fuel?
4- Why are the alkenes called 'Olefins'?
5- What do you know about hydrogenation of alkenes?
6- What are the addition reactions? Explain with an example.
7- How hydrogenation of ghee is carried out? Give chemical equations.

UNDERSTANDING BASED - 35%

1. Why are hydrocarbons considered as parent organic compounds?

APPLICATION BASED – 15%
1. How can you prepare propene from propyl alcohol?
2. Write the formula of oxalic aicd.
3. What is the difference between glycol and glyoxal?

LONG QUESTION
1. Write down five physical properties of alkenes.
2. Alkanes are source of heat. Explain it.

CHAPTER NO. 13   BIOCHEMISTRY

KNOWLEDGE BASED QUESTIONS: 50%
1. Give the characteristics of monosaccharides.
2. What is the difference between glucose and fructose?
3. Give the characteristics of polysaccharides.
4. Describe the uses of carbohydrates.
5. How are proteins formed?
6. How is gelatin obtained?
7. What is the function of DNA?
8. How do you justify that RNA work like a messenger?
9. What is the difference between ghee and oil?
10. What do you mean by genetic code of life?
11. Explain peptide linkage.
12. Name three fatty acids with their formulae.

UNDERSTANDING BASED - 35%
1. Plants are source of oils, Justify.

APPLICATION BASED – 15%
1. Which element are found in proteins?
2. How are amino acids bonded with each other

LONG QUESTION
1. Explain Oligosaccharides.
2. Explain the sources and uses of lipids.
3. Write down the sources and uses of carbohydrates.
4. What are polysaccharides? Give their properties.
5. What is meant by vitamins? Explain its types in detail.

CHAPTER NO. 14   ENVIRONMENTTAL CHEMISTRY 1 : THE ATMOSPHERE

KNOWLEDGE BASED QUESTIONS: 50%
1. Different between primary and secondary air pollutants.
2. State the major sources of CO and CO2 emission.
3. How is Ozone formed in stratosphere?
4. Differentiate between atmosphere and environment.
5. Describe the two effect of using polluted water.
6. Why the temperature of upper stratosphere is higher?
7. How does acid rain increase the acidity of soil?
8. Define pollutant and contaminate.
9. Why is CO2 called a greenhouse gas?
10. Give two effects of global warming.

UNDERSTANDING BASED - 35%
1. Why does acid rain damage buildings?
2. How is acid rain produced?
3. Comment: burning in open air is preferred.

APPLICATION BASED – 15%
1. Why are plants dying day by day? Comment.
2. How is aquatic life affected by acid rain?
3. Why the flood risks are are increasing?

LONG QUESTION
1. Give the characteristics of tropospher.Why temperature decreases upward in this sphere?
2. Why is CO considered a health hazard?
3. Where does ozone layer lie in atmosphere? How is it depleting and how can we prevent depletion?

CHAPTER NO. 15   WATER

KNOWLEDGE BASED QUESTIONS: 50%
1. What is capillary action?
2. Which forces are responsible for dissolving polar substances in water?
3. How does sodium zeolite sodium water?
4. Why are non –polar compounds insoluble in water?
5. What are industrial effluents?
6. What is dysentery?
7. Difference between soft and hard water?
8. What do you mean by boiler scales? How are they removed?
9. Define Leaching process.
10. Mention the disadvantages of detergents.
11. Define chlorination.
12. How water borne diseases can be prevented.
13. What two bad effects of industrial effluents.

UNDERSTANDING BASED - 35%
1. Point out two properties of water that make it an excellent solvent.
2. Which salts are responsible for hardness of water?
3. How decaying plants consume oxygen?

APPLICATION BASED – 15%
1. Why is the use of detergents increasing day by day?
2. How does water use as cleaning agent in industries causes' pollution?
3. What is dysentery?

LONG QUESTION
1. Give some disadvantages of hard water.
2. Describe the reasons of water hardness.
3. Explain domestic effluents.

………………………….……….…BEST OF LUCK…….………….……….……….……….…..

CHAPTER NO. 16   CHEMICAL INDUSTRIES.

KNOWLEDGE BASED QUESTIONS: 50%

1. What are the advantages of Solvay's process?
2. How $NaHCO_3$ is converted to Na_2CO_3?
3. What is gasoline? Give its uses.
4. Describe the formation of Petroleum.
5. Give a use of kerosene oil?
6. Describe the difference between diesel oil and fuel oil?
7. What is the difference between crude oil and residual oil
8. Which petroleum fraction is used in dry cleaning?
9. What is difference between slag and matte?

UNDERSTANDING BASED - 35%

1. What do you mean by anode mud?
2. Why is lime added in the smelting process?
3. Why a small amount of coke is required in the smelting profess? How is slag formed during smelting.

APPLICATION BASED – 15%

1. Which raw materials are required for formation of sodium carbonate?
2. Give the reaction of formation of ammonia in the process.
3. How many stages are involved in the formation of Urea?
4. In how many fractions crude oil is separated?

LONG QUESTION

1. How crude oil is refined? Explain two important fractions of petroleum along with their usage?
2. Describe the methods of ore concentration.
3. Give the uses of diesel oil and fuel oil.
4. Describe different steps of urea preparation.

10th CLASS BIOLOGY GUESS PAPER NEW SCHEME 2023 –
KNOWLEDGE BASE= 50 %   UNDERSTANADING BASE= 35% APPLICATION BASE=15%

CHAPTER NO.10   GASEOUS EXCHANGE.
Knowledge Base = 50%
1. Differentiate between breathing and cellular respiration.
2. How will you differentiate between as stoma and a lenticel?
3. What is meant by cellular respiration?
4. How do the gaseous exchange occur is plants?
5. What is larynx? Where it is present?
6. Differentiate between acute bronchitis and chronic bronchitis.
7. What is pneumonia? Write its symptoms.
8. What is nicotine?
9. What is voice box.
10. Define Lenticles.
11. Define alveolar ducts.

UNDERSTANDING BASE 35%
1. How do the different parts of the plant body exchange gases with the environment?
2. Write down the steps of inhalation and exhalation.
3. How does the tobacco smoke damage the respiratory system?

APPLICATION BASE = 15%
1. Investigate the breathing ate at rest and after exercise.
2. Find out how much air a person can take into his lungs.

LONG QUESTIONS.
1. What is bronchitis? Describe its types and symptoms.
2. What is emphysema? Explain it.
3. Describe the bad effect of smoking.

CHAPTER NO. 11   HOMEOSTASIS
KNOWLEDGE BASE 50%
1. What is guttation and transpiration
2. What is succulent organs?
3. What is renal tubule and renal corpuscle?
4. Define pyramids and pelvis.
5. Different between Osmoregulation and thermoregulation?
6. Different between xerophytes hydrophytes.
7. What is different between hilus and pelvis?
8. Different between renal cortex and renal medulla.
9. Define pressure filtration.
10. What is meant by kidney transplant?

UNDERSTANDING BASE 35%
1. How do the plants excrete extra water and salts from their bodies?
2. What steps are involved in the formation of urine in the kidneys?
3. What is the functional unit of the kidney?

APPLICATION BASE: 15%
1. Trace the movement of a molecule of urea from blood to urethra using flow chart diagram.

LONG QUESTIONS.
1. Explain the structure of nephron.
2. Describe the osmoregulatory function of kidney.
3. What is meant by dialysis? Explain its two methods.
4. Explain kidney transplant.

CHAPTER NO. 12   COORDINATION AND CONTROL.

KNOWLEDGE BASE: 50%
1. Different between reflex action and reflex arc.
2. Define and function of coordination and give an example.
3. What meant by effectors? Give an example
4. Difference between receptors and effectors.
5. Define nerve impulse.
6. Difference between sensory nerves and motor nerves.
7. What is meant by myelin sheath?
8. Write names of two disorders of eye.
9. What is meant by blind spot?
10. Compare the function of insulin and glucagon.
11. What is paralysis? Write its causes.

UNDERSTANDING BASE:35%
1. How would you describe the structure of the external, middle and inner ear of man?
2. What are short sight and long sight problems and how these can be treated?
3. Enlist the important symptoms and treatments of paralysis and epilepsy.

APPLICATION BASE:15%
1. Explain how colour blindness could be a a hurdle for aircraft pilots.
2. Conceptualize how scientific advancement has helped to solve the problem of diabetes.

LONG QUESTIONS.
1. Describe the structure of neuron.
2. Explain the peripheral nervous system,
3. Explain the thyroid gland.

CHAPTER NO. 13   SUPPORT AND MOVEMENT.

KNOWLEDGE BASE 50%
1. Differentiate between cartilage and bone.
2. How would you differentiate between osteoporosis and arthritis?
3. Difference between locomotion and skeletal system.
4. Difference between endoskeleton and exoskeleton.
5. What is elastic cartilage?
6. Differentiate between compact bone and spongy bone.
7. Define ball-and –socket joint. Give an example.
8. What are hinge joints? Give an example
9. Write joint and write names of its types.
10. Difference between flexion and extension.
11. What is arthritis? How it can be treated?
12. What is meant by rheumatoid arthritis?

UNDERSTANDING BASE:35%
1. Describe the types of joints and give example
2. What are ligament and tendons?

APPLICATION BASE:15%
1. State the principles of arthroplasty for the replacement of joints.
2. Relate your skeleton with its functioning in daily life.

LONG QUESTIONS.
1. Define cartilage. Explain its types.
2. What is arthritis? Explain its types.

CHAPTER NO. 14   REPRODUCTION

KNOWLEDGE BASE:50%

1. What is cyst?
2. What is meant by multiple fission?
3. What is meant by fragmentation? Give an example
4. Define parthenogenesis and give an example.
5. What are suckers? Give an example.
6. What is meant by cloning?
7. What is meant by double fertilization?
8. Define pollination and name its types.
9. What is cross-pollination?
10. Different between epigeal and hypogeal germination.
11. Define spermatogonia and oogonia.
12. What is meant by STDs? Give example
13. What does HIV stand for.

UNDERSTNADING BASE.35%

1. Explain, how the epigeal and hypogeal germination are different?
2. What conditions are necessary for the germination of seeds?

APPLICATION BASE.15%

1. What is the future of ovule and ovary after fertilization in flower?
2. What is micro-propagation?

LONG QUESTION.

1. Explain sexual reproduction in flowering plants.
2. Write down the necessary condition for seed germination.
3. Explain reproductive system of female rabbit.

CHAPTER NO. 15   INHERITANCE.

KNOWLEDGE BASE: 50%

1. Define genotype and phenotype.
2. What do you mean by dominant and recessive alleles?
3. What are the homozygous and heterozygous genotypes?
4. Differentiate between natural and artificial selection.
5. Define genetics
6. Define genes.
7. Describe Mendel's law of segregation.
8. Define co-dominance. Give an example.
9. What is meant by natural selection?
10. Difference between breeds and cultivars.

UNDERSTANDING BASE:35%

1. Describe the structure of chromatin.
2. Write incomplete dominance with the help of example.

APPLICATION BASED.15%

1. What is the dominance relationship between blood group alleles I^A and I^A?

LONG QUESTIONS.

1. How does the DNA of chromosome work? Explain.
2. Describe Mendel's law of segregation.
3. Describe Mendel's law of independent assortment.

CHAPTER NO. 16   MAN AND HIS ENVIRONMENT.

KNOWLEDGE BASE: 50%
1. Difference between food chain and food web.
2. Difference between population and community.
3. Difference between carnivores and herbivores.
4. Difference between autotrophs and heterotrophs.
5. Difference between biotic and abiotic factors.
6. Difference between ectoparasites and endoparasites.
7. Define symbiosis.
8. Define mutualism. Give an example.
9. Difference between mutualism and commensalism.
10. What is meant by global warming and effect of global warming?
11. How is smog formed? Give two harmful effects of smog.

UNDERSTANDING BASE: 35%
1. What do you mean by pyramid of number and biomass?
2. Causes and effects of the air and water pollutions.
3. How human activates have contributed to the loss of balance in nature.

APPLICAION BASE:15%
1. Identify environmental problems in your community. What are the causes and what should be done to solve these problems?

LONG QUESTIONS.
1. Explain the carbon cycle.
2. Write a note on parasitism.
3. Write a note on global warming.
4. Explain. 'The 3R' principle.

CHAPTER NO. 17   BIOTECHNOLOGY.

KNOWLEDGE BASE : 50%
1. What is transgenic organisms?
2. What is meant by gene therapy?
3. What is meant by alcoholic fermentation?
4. Write two uses of formic acid.
5. Write two objectives of genetic engineering.
6. What is Urokinase? Write its function.
7. What is thymosin hormone? Give its function.

UNDERSTANDING BASE:35%
1. What is a fermenter?
2. Describe the achievement of genetic engineering in medicine. Agriculture and environment..
3. What are single cell proteins?

APPLICATION BASE: 15%
1. How human began using 4000 BC
2. What is beta-endorhin.

LONG QUESTIONS.
1. Write down five applications of fermentation.
2. Describe basic steps of genetic engineering.
3. Write down five achievements of genetic engineering.

CHAPTER NO. 18   **PHARMACOLOGY**

KNOWLEDGE BASE: 50%

1. Define pharmacology and distinguish it from pharmacy.
2. Difference between medicinal drug and addictive drug.
3. Difference between analgesic and antibiotic.
4. What is marijuana? To which category of addictive drugs, it belongs?
5. Difference between narcotics and hallucinogens.
6. Difference between antiseptics and antibiotics.
7. What is iodine tincture? Write its use.
8. What are sedatives? Give an example
9. Difference between broad-spectrum and narrow-spectrum antibiotics.
10. Define vaccine.

UNDERSTANDING BASED:35%

1. Write a note on resistance against antibiotics.
2. Describe the mode of action of vaccines.

APPLICATION BASED:15%

1. What is illegal drugs?
2. What is Antiseptics?
3. What is non –living objects?
4. Joseph Lister what is introduced.

LONG QUESTIONS.

1. Describe five sources of medicinal drugs.
2. Explain the type's addictive drugs.
3. Define vaccine. Explain the mode of action of vaccines.
4. Explain drug addiction and associated problems.

CHAPTER NO. 6 - HISTORY OF PAKISTAN II

MCQ'S:
PAGE NO. 28- i, ii, iv, v, vi , vii

SHORT QUESTIONS:
1. What is Yaum-e-Takbir?
2. Write two duties of the union council?
3. Why was Washington Declaration made?
4. What is meant by Lahore declaration?
5. What is significance of Motorway?
6. When and where was Allama Iqbal Open University established?
7. When was the Zakat system implemented at the government level?
8. What is Youm-e- Takbir celebrated?
9. When did the tragedy of Peshawar Army Public School take place?
10. When did the World Trade Center incident happen?

LONG QUESTIONS.
1. Describe agricultural and industrial reforms enforced by Zulfiqar Ali Buuttor.
2. What industrial, economic and social reforms were introduced by Perves Musharraf?
3. Write dome salient features of 1973 constitution of Pakistan.
4. Write a note on" Pakistan as Nuclear Power.

CHAPTER NO. 7 FOREIGN RELATIONS OF PAKISTAN.

MCQ'S :
PAGE NO. 53   iii, iv, v, vii, viii, x, xi

SHORT QUESTIONS.
1. What is meant by 'Durand Line'?
2. What is meant by foreign Policy?
3. State importance of Gwadar port in three lines.
4. Describe the location of Pakistan.
5. Write the names of Pakistan's foreign policy objectives. What is Karakoram highway?
6. When did the United Nations come into being? When did Pakistan become its member?

LONG QUESTIONS.
1. Explain the objectives of Pakistan's foreign policy.
2. What role has China played in the construction and development of Pakistan?
3. Describe Pakistan US relations.
4. Write a note: China Pakistan Economic Corridor- CPEC.

CHAPTER NO. 8   ECONOMIC DEVELOPMENT.

MCQ'S:
PAGE NO. 91   i, ii, iii, vi, vii, ix

SHORT QUESTIONS:
1. Write the definition of economic progress as given by Professor Arthur Lewis.
2. What is the main reason for the decrease of foreign investment in Pakistan?
3. What is meant by defense industry?
4. What is meant by minerals?
5. Write any two problems of agriculture.
6. How many types of canals are there? Write the names.
7. What is meant by perennial canals?
8. What is meant by non-perennial canals?
9. What is meant by flood canals?
10. Define Karez.
11. What was the Indus Water Treaty?
12. What are the major crops of Pakistan? Write the names.

LONG QUESTIONS:
1. What are the important minerals of Pakistan? Explain.
2. Discuss the problems faced by agriculture? Give suggestions to solve these problems.
3. Why Pakistan's ports and dry ports are necessary for international trade?

CHAPTER NO. 9   POPULATION, SOCIETY AND CULTURE OF PAKISTAN.

MCQ'S :
PAGE NO. 119   i, ii, iii, iv, v, vi,

SHORT QUESTIONS:
1. Enlist four problems of education in Pakistan.
2. What is meant by co-curricular activities?
3. Write names of two Punjabi poets.
4. Define the population.
5. Define Society.
6. Define culture.
7. What is the national games of Pakistan?
8. What is meant by Early Childhood care and Education?
9. Write the names of any four Punjabi Sufi poets.
10. Write down two government measures to reduce poverty.
11. Define the census.

LONG QUESTIONS:
1. Give suggestions to solve problems of education in Pakistan.
2. What are the important attributes of Pakistani society?
3. What is the significance of tourism in Pakistan?
4. Discuss role of minorities in economic development of Pakistan.

CHAPTER NO.10   SIMPLE HARMONIC MOTION AND WAVES.
MCQ'S PTB:Page No-: 16- i , iv, v, vi, ix
Knowledge Base = 50%

1- What is meant by oscillation?
2- How does stiffness of the spring effect the value of k?
3- What is the function of restoring fore during oscillatory motion?
4- Which type of forces are acting on a displaced pendulum.
5- When the ball is at the center of the bowl what will be the net force?
6- What = r is the displacement of an object in a simple harmonic motion when kinetic and potential energy are equal?
7- How does the mechanical energy of system reduce?
8- How can we generate circular waves in a ripple tank?
9- How does ocean waves cause destruction?
10- Define longitudinal waves?

UNDERSTANDING
1. Tell whether or not these motions are examples of simple harmonic motion.
   a) Up and down motion of leaf in water ponds
   b) Motion of hands of a ceiling fan
   c) Motion hands of clock
   d) Motion of plucked string fixed at both it ends
   e) Moment of honey bee.

CONCEPTUAL QUESTION
10.1,10.2,10,3

LONG QUESTIONS
1. Define Simple Harmonic Motion? Explain with an example.

Numerical Problem
10.1,10.2,10.4

CHAPTER NO. 11   SOUND
MCQ'S : PTB-Page No.33-   i, ii, iii, v, vi,
KNOWLEDGE BASE : 50%

1. What is Tuning fork?
2. Define Loudness of sound and what are the factors affecting it?
3. Define the quality of sound with an example.
4. State Web Fechner Law.
5. Define SI Unit of Sound.
6. Calculate the frequency of a Sound wave of speed 340 ms-1 and wavelength 0.5 m
7. What is noise pollution? Explain is sources and effects. How it is reduce?
8. What is silent whistle and why it is called so?
9. What are ultrasonic and why they are used in our life.
10. How we can find the depth of ocean?
11. What is SONAR.
12. Define Pith of sound. What is the relation between pitch and frequency of sound?
13. What is the audible frequency range for human ear?

CONCEPTUAL QUESTION
1. You can listen to your friend round but you cannot watch him Why?
2. Is there any difference between echo and reflection of sound? Explain
3. Why Ultrasound is useful in medical field
4. Why sound waves are called mechanical waves?
5. Why would happen to the loudness of sound with increase in its frequency?

LONG QUESTIOS:

1. Define Simple harmonic motion. Explain it as.
   a. When mass attached to a spring
   b. For ball and bowl system.
2. What are depend oscillations? How damping progressively reduces the amplitude of oscillation? Describe its one application
3. Distinguish between longitudinal and transverse waves with suitable examples.
4. Derive a relation between speed, frequency and wavelength of a wave. Write its formula relation speed of wave is its time, period of waves length
5. What is Ripple tank? Explain its construction and following properties of waves with the reference of ripple tank experiment.

NUMERICAL PROBLEM:

   11.2, 11.4, 11.5

CHAPTER NO. 12;   GEOMETRICAL OPTICS

MCQ'S : PTB:Page No.:64- iv, v,- iii,v iii,

KNOWLEDGE BASE: 50%

1. Define regular reflection and irregular reflection?
2. What are the laws of reflection of light?
3. Write down uses of spherical mirrors?
4. Define mirror formula /mirror equation? Also write of on vacation.
5. Write down the law of refraction
6. What is Snell's law?
7. What is refractive index? Write down the methods to calculate the refractive index.
8. What is meant by critical angle?
9. What is meant by Angle of Deviation?
10. Define Power of lens and its unit.
11. Write two characteristic of focus of a concave and a convex mirror.
12. What is Telescope and types of telescope

COCEPTUAL QUESTIONS

1. Define the following terms used in refraction: Angle of incident ii- angle of refraction
2. When an optician's testing room is small, he uses a mirror to help him tst the eyesight of his patients . Explain why.
3. How does the thickness of lens affect its focal length
4. Under what conditions will a converging lens form virtual image?

NUMERICAl PROBLEM

12.3, 12.8, 12.9.

CHAPTER NO. 13-   ELECTROSTATICS

MCQ'S: PTB: Page No. 86- v, vi, vii, x, xi

KNOWLEDGE BASE: 50%

1- Define Electric field intensity?
2- State the Coulomb's law.
3- What is meant by Electric Potential?
4- Define Fared?
5- What is meant by Capacitance?
6- Why it is very dangerous in swim in the open sea, play in an open field or hid under a tree during a thunderstorm?
7- Enlist few uses of capacitors.
8- Derive the formula for the equivalent capacitance for a series combination of a number of capacitors.
9. What are hazards of static electricity?
10. What is difference between variable and fixed types capacitors.

CONCEPTUAL QUESTIONS

13.1,13.3,13.6,L13.7

NUMERICAL PROBLEM

13.10,13.7

CHAPTER NO. 14   CURRENT AND ELECTRICITY

KNOWLEDGE BASE 50%

MCQ'S: PTB: Page No. 114: I,ii, iv, v,vi,viii

1. What is meant by conventional current?
2. How a galvanometer is converted into voltmeter?
3. How galvanometer is converted into ammeter.
4. State and explain Ohm's law. Write down its limitations.
5. Define resistance and its unit.
6. State Joule's Law.
7. Define kilowatt hour?
8. Differentiate between A.C and D.C
9. What are live and neutral wires?
10. Define fuse and write down its principle
11. What is Circuit Breaker? Also write down its principle.

UNDERSTANDING:

1. In Order to measure current through a resistance, ammeter is always connected in series with the resistance.
2. In order to measure potential difference across. A resistance, voltmeter is always connected in parallel with the resistance.

CONSEOPTUAL QUESTIONS

1. What is the difference between electronic current and convential current?
2. Why is conductor's charges transferred by free electron rather than by positive charge?
3. What is the difference between a cell and a battery?
4. How many watt-hours are there is 1000 Joules?
5. Which metal used as the filament of an electric bulb? Explain with reason.
6. Describe four safety measures that should be takes in connection with the household circuit.

LONG QUESTIONS:

1. State and explain Ohm's Law. What are its limitation?
2. Explain the V-I characterizes of Ohmic and non-Ohmic conductor.
3. What is the difference between the conductors and insulators?
4. State and explain Joule's law. Derive its formula.
5. What is difference between DC and AC?

CHAPTER NO.15   ELECTROMAGNITSM

KNOWLEDGE BASE 50%

MCQ'S: PTB: Page No. 136: v,vi,viii,

1. What is Right hand grip rule?
2. State Fleming's left hand Rule
3. What is D.C. Motor?
4. Describe working principle of D.C. Motor.
5. State Faraday Law of Electromagnetic induction.
6. Define Mutual Induction?
7. Define self-Induction
8. Define Transformer
9. Define Step down and Step up transformer.
10. Prove that Lenz Law is manifestation of the law of conservation of energy
11. What is Relay Circuit.

CONCEPTUAL QUESTIONS.

1- Which device is used for converting electrical energy into mechanical energy?
2- What is difference between a generator and a motor?
3- Can transfer operate on direct current?

LONG QUESTIOS:

1. What is transformer? Explain its construction and types.

NUMERIAL PROBLEM:

15.1,15.2

CHAPTER NO. 16   BASIC ELECTRONICS

MCQ'S- PTB: Page No.152- ii,iv, vi, vii

KNOWLEDGE BASE

1. Define Electronics
2. What do you understand by thermionic emission?
3. When and who discovered electron?
4. What is Cathode Rays Oscilloscope?
5. Explain the difference between analogue and digital electronics
6. What is bit and byte?
7. Write the truth table of NAND gate.
8. NAND gate is the reciprocal of AND gate discuss?

CONCEPTUAL QUESTIONS

1. Name two factors which can enhance thermionic emission.
2. When electron pass through two parallel plates having opposite charge, they are deflected towards the positively charged plate. What important characteristics of the electron can be inferred from this?

LONG QUESTIONS:

1. Draw the circuit diagram of AND operation and OR operation and also write the truth table of Both these operations.

CHAPTER NO. 17   INFORMATION AND COMMUNICATION TEHCNOLOGY.

MCQ'S: PTB: Pagne No.-172- i, ii, iv, vi,vii

KNOWLEDGE BASE

1. What is difference between data and information?
2. Define the term: i) Information Technology   ii) Telecommunication
3. What are the components of information technology?
4. What is difference between Hardware and software?
5. What is meant by Modulation?
6. What is meant by Optical Fiber?
7. Difference between Input and output Device?
8. Difference between Primary and Secondary memory?
9. What is Floppy Disk?
10. What is HTML?
11. Define word processing?

CONCEPTUAL QUESTIONS

1. Why optical fibre is more useful tool for the communication process?
2. What is the difference between RAM and ROM memories?
3. Which is more reliable floppy disk or a hard disk?

LONG QUESTIONS:

1. Explain in detail about compact disc and flash drive.
2. What is meant by OR gate? Write its symbol and truth table.

CHPATER NO. 18   ATOMIC AND NUCLEAR PHYSICS.

MCQ'S –PTB- Page No. ii, iii,v,vi,vii, ix

KNOWLEDGE BASE

1. What are Nucleons?
2. Difference between Atomic No and Atomic Mass No.
3. What are radioactive isotopes?
4. What is the use of a,B and gama radiations?
5. What do you know about half life?
6. What is meant by penetrating ability?
7. How can radioactive help in the treatment of Cancer?
8. What is a radioactive tracer? Describe one application each in medicine, agriculture and industry.
9. Write a note on Einstein's mass energy equation.
10. Define Fusion Reaction.
11. Discuss uses and the hazards of radiations.,
12. Write the difference between Fission reaction and Fusion reaction
13. What is meant by half-life radioactive element?

CONCEPTUAL QUESTIONS

1. What is the difference between natural and artificial radioactivity?
2. Which has more penetrating power, an alpha particle or a gamma ray photon?

LONG QUESTION

1. Define Natural radioactivity. Also write any three characteristics of Alpha Particles.

NUMERICAL PROBLEM

18,2,18.3,18.5,18.9

10th CLASS GUESS PAPER MATHEMATICS SCIENCE GROUP 2023.

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ALGEBRA
UNIT NO. 1   QUADRATIC EQUATION.
SHORT AND LONG QUESTIONS.

Exercise No. 1.1	PAGE NO. 5	Q.1 (i) Q.3 (iv, vi, vii)
Exercise No. 1.2	PAGE NO.7	Q.1 (i,ii,iii, viii,ix, x).
Exercise No. 1.3	PAGE NO. 11	Q. 3,4,5,8,9,10,12,13,15,16
		Define Radical equations.
Exercise No. 1.4	PAGE NO. 14	Q. 1,2,3,6,7

UNIT NO. 2   THEORY OF QUADRATIC EQUATIONS.

Exercise No. 2.1	PAGE NO.22	Q.1 (i) Q. 2 (i)
Exercise No. 2.2	PAGE NO. 25	Q. 2 (i , vii)
Exercise No. 2.3	PAGE NO. 29	Q.1 (v ,vi) Q. 5 (i ,iii)
Exercise No. 2.4	PAGE NO. 31	Q.1 (i,ii,iv) Q. 2 (i)
Exercise No. 2.5	PAGE NO. 35	Q.2 (c , d) Q. 3 (a)
Exercise No. 2.6	PAGE NO. 38	Q.3 (i ,ii) Define Simultaneous equation.
Exercise No. 2.7	PAGE NO. 43	Q. 1, 3, 4, 5, 6

UNIT NO. 3   VARIATIONS.

Exercise No. 3.1	PAGE NO. 52	Q.1 (i,v)
Exercise No. 3.3	PAGE NO. 58	Q.1 (vi) Q.2 (iii)
Exercise No. 3.4	PAGE NO. 62,63	Complete
Exercise No. 3.6	PAGE NO. 67	Q.1 (i,iii) Q.2 (ii)

UNIT NO. 4   PARTIAL FRACTIONS.

Exercise No. 4.1	PAGE NO. 78	Q.1, Q. 2
Exercise No. 4.2	PAGE NO. 79	Q. 1 , Q. 2, Q.3,Q.8
Exercise No. 4.3	PAGE NO. 80	Q.1 ,Q.2 Q.6, Q.8
Miscellaneous Exercise	PAGE NO. 83	Q. 2 (i to iv)

UNIT NO. 5   SETS AND FUNCTIONS.

Exercise No. 5.1	PAGE NO. 87	Q. 2. Q. 3 (ii, iii, v)
Exercise No. 5.3	PAGE NO. 98	Q.1 (ii) Short and Long Q.2 (ii)Long
		Q.3, Q.4 (iii, iv) Long
Exercise No. 5.4	PAGE NO. 99	Q.1 ,Q.2, Q.3 (i)
Exercise No. 5.5	PAGE NO. 102	Q.1, Q.2, Q.3, Q.4 Long
Miscellaneous Exercise	PAGE NO. 105	Q.2 Definition. i,ii, vi,vii,viii,ix,x

UNIT NO. 6   BASIC STATISTICS

Exercise No.6.2	PAGE NO. 135	Q. 6, Q.7
Exercise No. 6.3	PAGE NO. 141	Q. 4,5,6 Long Questions.
Miscellaneous exercise	PAGE NO. 143	Q.2 (i to v, xiv) short answer

GEOMETARY

دہم کلاس کمپیوٹر سائنس گیس پیپر ۲۰۲۳

تمام پنجاب کے لیے ۔ لاہور ۔ ساہیوال ۔ فیصل آباد ۔ سرگودھا ۔ گجرانوالہ ۔ راولپنڈی ۔ بہاولپور ۔ ملتان ۔ آزاد کشمیر

ڈیرہ غازی خان ۔

یونٹ۔ 1 :   پروگرامنگ کا تعارف

مختصر سوالات: ہمیں ایک پروگرامنگ انوائرنمنٹ کی ضرورت کیوں ہوتی ہے۔ کمپائلر کے مقصد کی وضاحت۔ C۔ پروگرامنگ لینگوئج کے پانچ کی ورڈز کی فہرست تحریر کریں۔ کانسٹنٹس اور متغیرات میں فرق۔ Char۔ int میں فرق۔ ہم ایک متغیر کو کس طرح ڈکلیئر اور انیشلائز کر سکتے ہیں۔

تفصیلی سوالات: اپنے لیپ کمپیوٹر کے IDEs میں C پروگرام فائل کو بنانے کے لیے مراحل تحریر کریں۔ کمپائلر کا مقصد۔ C پروگرام کے سٹرکچر کے مین پارٹس کو بیان کریں۔ کانسٹنٹس اور متغیرات پرنٹ تحریر کریں۔ متغیرات کے ناموں کے قوانین۔

یونٹ۔ 2 :   یوزر انٹریکشن

مختصر سوالات: Scanf اور () getch میں فرق۔ ارتھمیٹک آپریٹرز میں کونسے آپریٹر استعمال ہوتے ہیں۔ ریلیشنل آپریٹ کیا ہیں؟ مثال دیں۔ لاجیکل آپریٹرز کیا ہیں □ مثال دیں۔ یونری آپریٹرز اور بائنری آپریٹرز میں کیا فرق ہے۔ == آپریٹرز اور = آپریٹرز میں کیا فرق ہے۔ آپریٹرز کی ترجیح سے کیا مراد ہے۔ C لینگوئج میں کس آپریٹر کی ترجیح سب سے زیادہ ہے؟ اسائنمنٹ آپریٹرز کی تعریف کریں۔ منطقی آپریٹرز کی تعریف۔ اینڈ اور آر آپریٹرز کی تعریف۔

تفصیلی سوالات: ریلیشنل آپریٹرز کیا ہیں ایک مثال دیں۔ منطقی آپریٹرز کیا ہیں۔ ایک مثال دیں۔ اسائنمنٹ آپریٹرز کی مثال۔ مشق: 2, 4, 7, 10

باب : 3   مشروط منطق

مختصر سوالات: ترتیب وار اور سلیکشن سٹیٹمنٹس میں فرق۔ سیکوئنشل اور کنڈیشنل سٹیٹمنٹ میں فرق۔ If اور if-else سٹیٹمنٹ میں مثالوں کے ساتھ فرق۔ نیسٹڈ سلیکشن سٹرکچر کا کیا استعمال ہے؟ کمپاؤنڈ سٹیٹمنٹ۔ if-else کی تعریف۔ کا جنرل سینٹکس تحریر کریں۔

تفصیلی سوالات: If کا سٹرکچر کو تفصیل سے بیان کریں۔ if-else کا جنرل سینٹکس تحریر کریں اور سٹرکچر بیان کریں۔ for کا سٹرکچر بیان کریں۔

مشق: 2, 5, 6

باب : 4   ڈیٹا اینڈ ریپیٹیشن

مختصر سوالات: لوپ سٹرکچر کو بیان کریں۔ کیا لاگ ایک ڈیٹا سٹرکچر ہے؟ بیان کریں۔ لوپس اور ارے کی تعریف کریں۔ نسٹڈ لوپس کا استعمال کیا ہے۔ for لوپ کے ڈھانچے کی وضاحت۔ آپ ارے کو کیسے ڈکلیئر کر سکتے ہیا □۔ ارے ڈکلیریشن کے تین حصوں کی مختصر وضاحت۔

تفصیلی سوالات: ارے پر تفصیلی نوٹ۔ for لوپ کے ڈھانچے کی وضاحت۔

باب : 5   فنکشنز

مختصر سوالات: فنکشنز کی تعریف اور اقسام۔ فنکشن کا سیگنیچر سے کیا مراد ہے۔ فنکشن کا سٹرکچر تحریر کریں۔ فنکشن کے فوائد تحریر کریں۔ مسئلے کی پیچیدگی کو ہینڈل کرنے سے کیا مراد ہے۔ آر کیو یومنٹس اور پیرامیٹرز میں کیا فرق ہے ایک مثال۔ فنکشن کی باڈی کی تعریف۔ فنکشن ڈیفینیشن کا جنرل سینٹکس تحریر کریں۔

تفصیلی سوالات: آرکومنٹس اور پیرامیٹرز میں فرق بیان کریں۔ فنکشنز کو استعمال کرنے کے فوائد بیان کریں۔ فنکشنز کی اقسام پر تفصیلی نوٹ۔ سیگنیچر فنکشنز پر نوٹ تحریر کریں۔ مشق: 3, 5, 7

ACCELERATED LEARNING PROGRAMME (ALP)
ALL PUNJAB BOARD SESSION 2021 EXAMLAHORE, SAHIWAL, GUJRANWALA, FAISALABAD, MULTAN, BHAWALPUR RAWALPINDI , DERA GHAZI KHAN, AZAD KAHSMIR , SARGODHA

10th CLASS MATHEMATICS (ARTS GROUP) GUESS PAPERS

UNIT NO. 1   **ALGEBRAIC FORMULAS AND APPLICATIONS**

EXERCISE NO. 1.1   Q.1:   3,5,9,8.11.14,15,16,19,20,27.28,31,32

EXERCISE NO. 1.2   Q.1   3, 5, 8, 9, 11,14, 16, 18, 21

EXERCISE NO. 1.3   Q.1   (II),

                                   Q.2   (II), (III),(VI).(VIII)

                                   Q.3   (IV)

                                   Q.5

                                   Q.8   9

REVIEW EXERCISE 1   Q.1

UNIT NO.2   **FACTORIZATION**

EXERCISE NO. 2.1.   Q.1   3.6.8.11, 13,16

EXERCISE NO. 2.2   Q.2   4,8,11,12

EXERCISE NO. 2.3   Q.   1,7, 9,11,16,18, 20

EXERCISE NO. 2.4   Q.1   3,8,10,13,15,17,21,22

EXERCISE NO. 2.5   Q.1   10,12,16,18

                                   Q.   3,6,19

REVIEW EXERCISE NO.2   Q.1

UNIT NO. 3   **ALGEBRAIC MANIPULATION**

EXERCISE NO. 3.1   Q.1   11, 15

EXERCISE NO. 3.2   Q.1   10

EXERCISE NO. 3.3	Q.1	9, 15
EXERCISE NO.3.4	Q.1	8, 17
EXERCISE NO. 3.5	Q.2	12
EXERCISE NO. 3.6	Q.1	8, 12
REVIEW EXERCISE 3	Q.1	

UNIT NO. 4   **LINEAR EQUATION AND INEQUALITIES.**

EXERCISE NO. 4.1	Q.1	(II), (III)
	Q.5	8, 16, 20
	Q.3	10 , 18
EXERCISE NO. 4.2	Q.3	6, 9, 12, 15, 16
REVIEW EXERCISE 4	Q.1	

UNIT NO. 5   **QUADRATIC EQUATION:**

EXERCISE NO. 5.1	Q.1	8,15,19,25
	Q.2	9, 12, 13, 14, 18, 24
EXERCISE NO. 5.2	Q.1	4 , 8, 9
	Q.3	12
EXERCISE NO. 5.3	Q.2	8
REVIEW EXERCISE -5	Q.1	

UNIT NO. 6   **MATRICES AND DETERMINATION.**

EXERCISE NO. 6.1	Q.4	(A,J) (B- I, K – L)
EXERCISE NO. 6.2	Q.3	C ,D
	Q.7	A , B, C
EXERCISE NO. 6.3	Q.1	V, II, VI
	Q.2	C , B ,E

	Q.3	II
	Q.5	II
	Q.6	11
	Q.8	10

| EXERCISE NO. 6.4 | Q.2 | 7,14,16 |
| | Q.5 | 6,12 |

EXERCISE NO. 6.5	Q.1	II ,IV
	Q.2	III
	Q.3	II ,VI , VII
	Q.4	B

EXERCISE NO. 6.6	Q.1	II
	Q.2	II , V ,VI
	Q.3	D
	Q.4	II ,V , VI
	Q.5	II , IV
REVIEW EXERCISE – 6	Q..1	

EXERCISE NO.7   FUNDAMANTALS OF GEOMETRY.

EXERCISE NO. 7.1	Q.2	III, VII
	Q.4	
	Q.5	
	Q.7	III, VII , IV , IX
EXERCISE NO. 7.2	Q.2	
EXERCISE NO. 7.3	Q.2	
	Q.5	
EXERCISE NO. 7.4	Q.1	A-(I,III),D
	Q.5	

| REVIEW EXERCIS – 7 | Q.1 | |

UNIT NO. 8	**PRACTICAL GEOMETRY**
EXERCISE NO. 8.1	Q.1 3,4,9,11, 13,15, 17,20, 24,27.25,28
REVIEW EXERCISE – 8	Q.1
UNIT NO. 9	**AREA AND VOLUMES**
EXERCISE NO. 9.1	Q.1 I,III
	Q.3 10
	Q,6 7
EXERCISE NO. 9.2	Q.1 6,12,17
	Q.2. 14,19
EXERCISE NO. 9.3	Q.1 3,8
	Q.2 4,5,6,7
REVIEW EXERCISE: 9	Q.1
UNIT NO. 10	**INTRODUCTION TO COORDINATE GEOMETRY**
EXERCISE NO. 10.1	Q.1 I,II,VI, VII,X
	Q.2 II, IV
	Q.4 9 , 11
REVIEW EXEERCISE .10	Q.1

ایجوکیشن دہم جماعت تک۔

۲ ۔ مختصر سوالات: تعلیم کے دو مدارج ۔ ابتدائی تعلیم سے کیا مراد ہے ۔ پیشہ ورانہ تعلیم سے کیا مراد ہے ۔ قانون کی تعلیم سے کیا مراد ہے ۔

پاکستان کی تعلیمی پالیسیوں کے دو اہم مقاصد۔ عام تعلیم سے کیا مراد ہے ۔ ہوم اکنامکس کی تعلیم سے کیا مراد ہے ۔ مذہبی تعلیم کے دو مقاصد پاکستان میں تعلیم کے دو مقاصد۔

۳ ۔ مختصر سوالات: وقوفی انداز سے کیا مراد ہے ۔ ٹیکسٹ بک بورڈ کا بنیادی کام کیا ہے ۔ تدریسی مواد سے کیا مراد ہے ۔ دو تدریسی طریقوں کے نام ۔ نصاب کی اساسی حیثیت کیا ہے ۔ نصاب کے دو اجزاء کے نام لکھیے ۔ دو ہم نصابی سرگرمیوں کے نام ۔ مدرسہ کے ماحول کی اقسام ۔ نصابی سرگرمیوں سے کیا مراد ہے ۔ تعلیم کا جدید مفہوم بیان کریں ۔ تدریسی مسائل کی دو مثالیں دیجیے ۔

۴ ۔ مختصر سوالات: طالب علم کے کردار کے دو نمایاں پہلو ۔ کوئی دو تحریری سرگرمیوں کے نام ۔ مشارے کے کہتے ہیں ۔ طلبا کو پیش آنے دو مسائل کے نام ۔ کوئی سے دو جسمانی سرگرمیاں تحریر کریں ۔ ماحول کی تعریف ۔ نصابی سرگرمیوں سے کیا مراد ہے ۔ رہنمائی کے لغوی معنی کیا ہیں ۔ تعلیمی سفر کی اہمیت بیان کریں ۔ معلم کے دو اہم فرائض تحریر کریں ۔

۔حصہ دوم۔

۱ ۔ پیشہ ورانہ تعلیم سے کیا مراد ہے؟ کوئی دو اہم شعبوں کی وضاحت کریں ۔

۲ ۔ تعلیم کے کوئی دو مدارج تفصیل سے بیان کریں ۔

۳ ۔ اجزائے ترکیبی نصاب میں ربط سے کیا مراد ہے ۔

۴ ۔ ثانوی تعلیم اور اعلی تعلیم کو وضاحت کریں ۔

۵ ۔ نصاب کا مفہوم بیان کریں ۔

۶ ۔ مدرسہ میں ہم نصابی سرگرمیوں کی کیا اہمیت ہے ۔

10th CLASS GENERAL SCIECNE ARTS GROUP – 2023

ALL PUNJAB : LAHORE, FAISLABAD, SARGODHA, SAHIWAL, BAHAWLAPUR, MULTAN, AZAD KASHMIR, DERA GHAZI KHAN

CHAPTER NO. 7   ENERGY
MCQ'S- PAGE NO. i , ii, iii, ix

SHORT QUESTIONS:
1. What is the law of conservation of energy?
2. Define the unit of electrical energy.
3. Define environment.
4. Give any three suggestion for the conservation of energy.
5. Write down the names of three conventional methods and five non-conventional methods of producing electricity.

LONG QUESTIONS.
1. Define energy. What is different between kinetic and potential energy? Explain with the help of examples.
2. Describe different forms of energy.
3. What is meant by introversion of energy? State law of conservation of energy.
4. Describe any three non-conventional methods of producing electricity.
5. What is thermal pollution? How is it produces? How does it affectect the environment?

CHAPTER NO. 8   CURRENT ELECTRICITY.
MCQ'S – PAGE NO. 127   i, ii, iii, iv

SHORT QUESTIONS.
1. What is an electric current?
2. Which quantities does Ohm's law relate?
3. Define resistance.
4. What are resistors?
5. What is meant by charging of capacitor?
6. What does a step-up transformer do?
7. What does a step-down transformer do?

LONG QUESTIONS.
1. Define electric current. What is conventional current? Explain.
2. Explain potential difference with example. Define its units.
3. What is resistance? Define the unit of resistance.
4. What is the difference between current and alternating current? Explain.

CHAPTER NO. 9   BASIC ELECTRONICS.

MCQ'S – PAGE NO.148 - i, iii, iv ,v

SHORT QUESTIONS.

1. Define N-type semi- conductor and P-type semiconductor.
2. Define Hard ware and software.
3. What is Input and Output device?
4. What is word processing?
5. What is Data Managing?
6. What is analogue and Digital computer?

LONG QUESTION.

1. What are n-type and p-type semi –conductors? Where are they used for?
2. How a diode forward is biased and reverse biased? Describe different kind of diodes and write few uses of the.
3. What are the main parts of computer and what do they work?
4. Write a note on communication system.

CHAPTER NO. 10   SCIENCE AND TECHNOLOGY.

MCQ'S- PAGE NO. 166 i, ii,iii

SHORT QUESTIONS.

1. Which objects are used for laser?
2. What are called the elements? Which emit radiation?
3. Difference between E.C.G and E.E.G.

LONG QUESTIONS.

1. Define optical fibre. Describe its construction. Principle and working.
2. What is radioactivity? How many are the types of radiations? Describe their characteristics.
3. What are radioisotopes? Write down some of their uses.
4. Write are synthetic fibres?
5. Write a note on leather industry.

CHAPTER NO. 11   SPACE AND NUCLEAR PROGRAMME OF PAKISTAN.

MCQ'S – PAGE NO. 174 - ii, iii, iv

SHORT QUESTIONS.

1. Write down some advantages of artificial satellite.
2. What are the basis objectives of SUPARCO?
3. Where are the nuclear power plants of Pakistan located? What is there total production capacity?

LONG QUESTIONS

1. Write a comprehensive note on the space programme of Pakistan.
2. What are the services of Pakistan Atomic Energy Commission for the achievement of nuclear energy for peaceful purposes?