ST. ANGEL'S SCHOOL
AUTUMN HOLIDAYS
HOMEWORK(2017-18)
CLASS X

ENGLISH

Q1. Read the following conversation carefully and complete the following passage by filling in the blank spaces appropriately.

1. Patient: Doctor, I have a terrible toothache.

    Doctor: Well, sit down. I need to examine your teeth. Please open your mouth wide.

    Patient : Is there any serious problem, doctor?

The patient told the doctor (a) _____ The doctor told him to sit down as (b) _____He also requested the patient (c) _____ The patient then enquired (d) _____

2. Amritash: When will you meet me?

      Henry: I think that I will come to your home on Sunday.

      Amritash: Ok! Then I will wait for you.

Once Amritash telephoned Henry and asked (a) _____. Henry replied (b) _____on Sunday. Amritash claimed that (c) _____

Q2. Underline each error and write the correction in the space provided.

One morning, the Nawab call a) _____

his minister and said him b) _____

that I wanted the length and c) _____

breadth from the earth d) _____

measured. He also feel the e) _____

need to have the stars on the f) _____

sky counted. The minister says g) _____

that the task he have been h) _____

set being impossible. i) _____

Q3. Video games, Internet, cell phones and high tech gear are just part of growing up in the digital world. But parents are concerned about the amount of time their children spend with these and worry that it might be distracting and cramping academic and social development. Write an article in 120words describing both benefits and harms of high tech devices.

Q4 Answer the following questions in 30-40 words only

    a) What were the changes that Abel Merryweather made in his will?

    b) Explain the couplet of the poem 'Not Marble nor the Gilded Monuments'

    c) Who was Ozymandias? and Why did he get his statue made?

हिंदी

साहित्य (स्पर्श एवं संचयन)

1.पढ़ाए गए सभी पाठों को ध्यानपूर्वक पढ़िए एवं प्रत्येक पाठ से एक-एक मूल्यपरक प्रश्न रचना कीजिएएवं उनके उत्तर लिखिए|(जो उत्तर पुस्तिका में ना लिखे हो)

2.पाठोंको पढ़ते समय आने वाले सामासिक पद,संधियाँ एवं मुहावरे अपनी उत्तर पुस्तिका में लिखिए|

व्यवहारिक व्याकरण

अनुच्छेदलेखन

1. आकाश की ऊंचाइयों को छूता मानव-

    संकेतबिंदु- शीर्षक का अभिप्राय- विभिन्न क्षेत्रों में विकास- मानव का अदम्य साहस- विभिन्न उपलब्धियां|

2. आज की पुकार - संयुक्त परिवार-

    संकेतबिंदु- युवा पीढ़ी को रिश्ते की पहचान- मिल-जुल कर रहने की भावना- बुजुर्गों की उपस्थिति व महत्व-अकेलेपन की मुक्ति|

3. जनसंचारमाध्यम-

    संकेत बिंदु- संचार का अर्थ- जनसंचार का स्वरूप- जनसंचार के कार्य- जनसंचार के विभिन्न उपकरण

पत्र लेखन

1. क्षेत्रमेंबढ़तेअपराधोंकीसूचना देते हुए क्षेत्र के थानाध्यक्ष को पत्र लिखिए|

2. आप विद्यालय की वाद-विवाद प्रतियोगिता में भाग लेना चाहते हैं| इस प्रार्थना के साथ अपने प्रधानाचार्य को पत्र लिखिए|

3. अपने क्षेत्र के पेड़-पौधों की अनियंत्रित कटाई को रोकने के लिए जिलाधिकारी को पत्र लिखिए|

संवाद लेखन

1. आगामीबोर्डकीपरीक्षाकीतैयारीकोलेकरअपने और अपने मित्र के बीच में संवाद लिखिए|

2. एकसफलजीवनकेलिएअनुशासनकीमहत्वपूर्णभूमिकाहोतीहै|इसविषयकोआधारबनाकरअपनेऔरअपनेमित्रकेबीचसंवादलिखिए|

3. पाश्चात्य सभ्यता का अनुकरण करने के कारण आज की पीढ़ी अपनी संस्कृति से दूर होती जा रही है इस विषय को आधार बनाकर दो मित्रों के बीच संवाद लिखिए|

MATHS

Ch-7 Co-ordinate Geometry

Q1. Find x if the distance between the points (x, 2) and (3, 4) be √8 units.

Q2. A line is drawn through a point P(3, 2) parallel to x-axis. What is the distance of the line from x-axis?

Q3. The midpoint of the line segment joining the points (5, 7) and (3, 9) is also the midpoint of the line segment joining the points (8, 6) and (a, b). Find a and b.

Q4. What is the value of a if the points (3, 5) and (7, 1) are equidistant from the point (a, 0)?

Q5. AB is diameter of circle with centre at origin. What are the coordinates of B if coordinates of A are (3, –4)?

Q6. Find the value of a so that the point (3, a) lies on the line represented by 2x – 3y = 5.

Q7. For what value of p, are the points (–3, 9), (2, p) and (4, –5) collinear?

Q8. Find the relation between x and y such that the point (x, y) is equidistant from the points (7, 1) and (3, 5).

Q9. Find the coordinates of point P if P and Q trisect the line segment joining the points A(1, –2) and B (–3, 4).

Q10. Find the area of triangle whose vertices are (1, –1), (–3, 5) and (2, 7).

Q11. Find a point on y-axis which is equidistant from the points (–2, 5) and (2, –3).

SCIENCE

PHYSICS

DO ASSIGNMENT ON A4 SIZE WHITE SHHETS

CHAPTER : MAGNETIC EFFECT OF CURRENT

Q. State the rule which gives the direction of the magnetic field associated with a current-carrying conductor.

Q. What constitutes the field of a magnet?

Q. What happens to the force experienced by a current-carrying conductor placed in a uniform magnetic field when:

1:- current is decreased
2:- length of conductor is increased
3:- direction of current is reversed ?

Q. What is short-circuiting in an electric supply ?

Q. An alternating current has a frequency of 50 Hz.
How many times does it change its direction in one second ?

Q. How would you represent uniform magnetic field in a given region ?

Q. If you are standing in front of a current-carrying loop such that current is in clockwise direction. Then the direction of magnetic field is towards you or away from you ?

Q. Why is A.C. preferred over D.C. for long distance transmission ?

CHAPTER : LIGHT-I
REFLECTION OF LIGHT

Q. What is irregular reflection ? Is the law of reflection obeyed in irregular reflection ?

Q. State and explain laws of reflection.

Q. What is the relation between R radius of curvature and f focal length of spherical mirror ?

Q. For what position of an object a concave mirror forms an enlarged virtual image ?

Q. An object is place in front of a concave mirror between its focus and centre of curvature show the position , size and nature of image with the help of ray diagram.

Q. For what position of an object, forms a real image equal in size to the object ?

Q. An object is placed in front of a convex mirror at a distance 20 cm, and its image is formed behind the mirror at a distance of 10 cm, find focal length of mirror.

Q. If magnification is 0.5, will image be smaller or larger than the object ?

Q. Which kind of mirrors are used in headlights of a motor car and why ?

Q. What kind of mirror is used in vehicles to see the traffic on the rear side?

CHEMISTRY

Chapter 5
Periodic classification of elements

1. State the modern periodic law for classification of elements. How many (i) groups and (ii) periods are there in the modern periodic table?

2. An element 'M' has atomic number 11.
a) Write its electronic configuration.
b) State the group to which 'M' belongs.
c) Is 'M' a metal or a non-metal.
d) Write the formula of its chloride.

3. F, Cl and Br are the elements each having seven valence electrons. Which of these (i) has the largest atomic radius, (ii) is most reactive? Justify your answer stating reason for each.

4. Did Doberenier's triads also exist in the column of Newland octaves. Compare and find out.

5. What are the limitation of Dobernier's classification?

6. What are the limitations of Newlands law of Octaves?

7. Besides Ga, which other elements have been discovered that were left by Mendeleev in his periodic table (Any two)?

8. What were the criteria used by Mendeleev in creating his periodic table?

9. What property do all elements in the same column of the periodic table as Boron have in common ?

10. What property do all elements in the same column of the periodic table as Fluorine have in common?

11. The elements Li, Na and K, each having one valence electron, are in period 2, 3 and 4 respectively of modern periodic table.

a) In which group of the periodic table should they be?
b) Which one of them is least reactive?
c) Which one of them has the largest atomic radius? Give reason to justify your answer in each case.

BIOLOGY

Ch-8

How do Organisms reproduce?

Q.1 Why are the testis located outside the abdominal cavity in the scrotum?

Q.2 Explain the role of the accessory glands of the human male reproductive system.

Q.3 What happens after the pollen grain lands on a suitable stigma?

Q.4 What is the importance of pollination?

Q.5 Why has prenatal sex determination been prohibited by law?

Q.6 Which factors determine the size of a population?

Q.7 Why is the size of the human population a cause for concern?

Q.8 How will an organism be benefited if it reproduces through spores?

Q.9 What is the advantage of seed formation for the plant?

Q.10 Why is fragmentation not true for all multicellular organisms?

Ch-9

Heredity and Evolution

Q.1 In which type of reproduction a number of successful variations are produced?

Q.2 What did mendel find in the F3 generation when he self-pollinated short plants of the F2 generation? Why?

Q.3 Give examples of animals where sex determination is not genetically determined?

Q.4 Differentiate between inherited and acquired traits.

Q.5 Why are traits acquired during the life-time of an individual not inherited?

Q.6 What are the two causes of inbuilt tendency of variation during reproduction?

Q.7 What is the information source for making proteins in the cell?

Q.8 How can we say that a child has two versions of a trait?

Q.9 Give reason why a girl and her first cousin are related, but less related than the girl and her brother.

Q.10 The genotype of purple flowered pea plants is denoted as WW and that of white flowered pea plants as ww.When these two are crossed

(a) What colour of flowers would you expect in their F1 progeny?

(b) What will be the percentage of white flowered plants produced if F1 plants are self-pollinated.

(c) In what ratio would you find the genotypes WW, Ww and ww in the F2 progeny?

- Make a poster on " Aids Awareness"on A3 size sheet.

SOCIAL SCIENCE

HISTORY

LESSON -2 The National Movement in Indo-China

Q1. How was French Indo-China formed?

Q2. Why should the colonies be developed? Write the arguments of Paul Bernard.

Q3. Descibe Hoa Hao Movement.

Q4. "The New Republic of Vietnam faced number of challenges". Explain

Q5. Explain the significance of Ho Chi Minh Trail.

POLITICAL SCIENCE

LESSON -6 Gender, Caste and Religion

Q1. What would happen if politics and religion went hand in hand?

Q2. What forms of Communalism can take place in Politics?

Q3. Explain the functions of Political parties.

Q4. Explain "Party system is not something any country can choose". Explain the statement.

Q5. Write the criteria for a National party and also write about any one National party of India.

ECONOMICS

LESSON -4 Globalisation

Q1. "Globalization and Liberalization goes hands in hands". Highlight the answer by supporting the statement.

Q2. Explain briefly how producers suffer from foreign competition in India? What steps government can take to protect domestic companies of India?

Q3. In the following picture, top MNC brands in India are given. Find out the answer to the following questions-

a) Find out the parent countries of these MNC brands.
b) What benefits these MNC's get from hosting their industries in developing countries?

GEOGRAPHY

Lesson 5 - Minerals and Energy Resources.

Q.1 Draw a Flow Chart on Classification of Minerals (on A4 size sheet).

Q.2 Prepare a report on Conservation of Energy Resources. Include the following points. (1000-1500 words)

a. Sustainable Development.

b. India's policy on Carbon Emission.

c. Focus on Renewable Resources.

FOUNDATION OF INFORMATION TECHNOLOGY

C++ PROGRAMMING

Q1. What are predefined stream objects in I/O library?

Q2. What is an error? Explain types of errors with example.

Q3. What is a variable? Exp[lain with example.

Q4. What is meant by the term 'case sensitive'?

Q5. Why is main() special? What would happen if it is not present in the program?

Q6. Write the importance of iostream.h.

Q7. Write a program to accept radius and print its circumference.

Q8. Write a program to accept 3 integers and print their sum and average.

Q9.What are data types?

Q10. What is the use of void?

Q11. Write a program to print area of a triangle.

Q12. Write a program to accept two numbers and print its quotient and remainder.