DAV International School, Amritsar.
(Session : 2017 - 18)
Holidays Homework

Scorching hot sun
Under the water keeps you cool
Many friends over the house
Many days to enjoy at home
Everyone loves summer vacation
Ready for the school.

Dear Parents,

With the mercury soaring high in our city, we are looking forward to a refreshing and enriching vacation. So once again long awaited summer vacation is here with all fun and frolic. Apart from enjoying, we want our students to keep in touch with their studies, so let's explore the world of knowledge in different ways;

Holiday's Homework is designed in a way to make learning more interesting and creative as well as to rejuvenate their senses and sensibilities.

Some Pointers:

❖ Parents can be facilitators for the child at home but let the child complete his/ her work independently and in his/ her own handwriting.

❖ Free play time should alternate with structured games to cultivate sportsmanship.

❖ Read newspapers/ magazines/ story books etc. to develop reading habits.

❖ Encourage your ward to converse in English with you and the siblings.

❖ Assign a permanent workplace and a work time for studies as this brings system and discipline into the child's life.

❖ Inculcate good manners, healthy habits and respect for elders in your children.

❖ Summer Vacation:

o *For Classes VIII to X from 1ˢᵗ June 2017 to 2ⁿᵈ July 2017.*
o *School will reopen for classes VIII – X on 3ʳᵈ July 2017 i.e. Monday.*
o *School timings 7:30 a.m. to 1:30 p.m.*

General Instructions: (For Students)
1. Assignment Sheets of all the subjects to be solved in your respective Note-books.
2. Revise all the subjects as per the syllabus done in the classroom.
3. Written Homework of all the subjects is to be done as per the instructions and guidance given by the subject teacher.
4. You will be assessed on the basis of handwriting, presentation, neatness, completion of all the given questions, indexing of the work.
5. Questions of assignment sheets must be done in the given sequence.
6. Use good quality pen/pencil to do neat and tidy work.
7. Avoid deletions or using white fluid, or any over writing.
8. Kindly keep your notebook up to date as assessment will be based on the maintenance and completion of the notebook.

D.A.V. International School, Amritsar

CLASS – X
Project (Social Science)

➢ **Every student has to undertake one project on the following topics.**
- Disaster Management (As per NCERT book of Class X)
- Popular struggles and movements

         OR

- Money and Credit

➢ **Projects prepared should be made without incurring too much expenditure. Project should be hand written & contains of not more than 0 -15 foolscap pages.**

- Power Point presentation **OR** 10 slides (Internet may be used as a resource but directly downloaded information should not be used.

➢ **It should contain**

- Introduction, Index, Conclusion & bibliography, Acknowledgement, Teacher's Remarks.
- It will be assessed on the following
  - ✓ Content
  - ✓ Creativity and presentation, Cover Page
  - ✓ Relevance to topic (Pictures and Representation)

➢ **Date of Submission – 10th July, 2017**

Note :-

- **Please do all the assignment work in your respective subject's copy.**
- **Revise the work done for I term exam.**
- **List of materials to include in an emergency kit if an earthquake, a flood and a cyclone. Write the use of each material.**

D.A.V. International School, Amritsar
HOLIDAYS HOME WORK (ASSIGNMENT SHEETS) 2017– 2018
CLASS – X
Geography

1. Write the types of the following resources :- Human Beings, Iron, Solar Energy.
2. Which three rivers have deposited sediments to form Northern Plains?
3. Define the terms :- (a) Hydrological Cycle   (b) Water Scarcity   (c) Dams   (d) Tankas
4. Why are human beings considered as a resource?
5. Differentiate between Individual resources and Community owned resources.
6. Draw a pie diagram showing the land under different relief features.
7. Write in detail about :- (a) Red / Yellow Soil   (b) Laterite Soil
8. Name the different types of Hydraulic structures.
9. Discuss the history of lydraulic structure of India.
10. What are the different types of dams?
11. Why did Jawaharlal Nehru consider dam as the 'Temples of Modern India'?
12. What were the objectives of Narmada Bachao Andalon?
13. Write the features of Tankas.
14. What is Bamboo Drip Irrigation and mention the features of Bamboo Drip Irrigation?
15. On the physical map of India locate and label the following dams :-
    Salal, Bhakra Nangal, Tehri, Rana Pratap Sagar, Hirakud

Economics

1. How does activity of dairy fall under primary sector?
2. Why secondary sector is is also called Industrial sector?
3. Define GDP.
4. Who is responsible for measuring GDP in India?
5. Which services are more in demand after the income level rise in cities?
6. Explain the rising importance of Tertiary Sector.
7. Which kind of workers are not growing economically in Tertiary Sector?
8. What promise is made to unemployed under NREGA?
9. Differentiate between organised and unorganised sector.
10. Differentiate between Public and Private Sector.

History

1. What is a Novel? What are its chief characteristics?
2. Why did the Novel became popular/
3. Hat changes in technology and society in the 8th century led to an increase in the number of readers?
4. Explain the various social changes in Britain which led to an increase in women readers.
5. Discuss some of the social changes in nineteenth century Britain. Which Thomas Hardy and Charles Dickens wrote about?
6. What was the popular themes of women writers in England?
7. Write a detailed note on Jane Austen and also discuss some of her popular novels.
8. Give an estimate of Charles Dickens as a novelist.
9. Explain won after 1740, the novelists began to lay emphasis on the poor people.

10. What is the importance of the novel Chandrakantabby Devki Nandan Khatri?
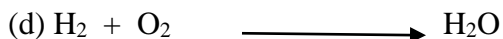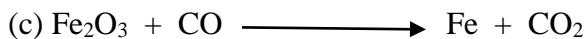
Civics

1. Define federalism? Write its main features.
2. What is the main difference between a federal form of Government and a unitary one? Explain with example.
3. State difference between the local governments before and after the Constitutional Amendment in 1992.
4. When was the report of the states reorganization commission implemented?
5. How many scheduled languages are there in India?
6. Which body conduct the elections of Panchyat & Municipality?
7. Who is the heed of Panchyat?
8. Who is the head of the Municipal Corporation?
9. Who administers the whole district?
10. How many languages are spoken in India?
11. When did Belgium shift from a uvilitary to a federal form of government?
12. What is Gram Sabha? Write its functions.
13. Who is Mayor? What are its functions?
14. How are the powers divided between the states and the centre?
15. In Panchyati Raj system, one third of seats have been reserved for women. Do you feel that same should be done for state legislature and Parliament? Support your answer with arguments.
16. What is coalition government? What is its impact on Indian Politics?
17. Why has federalism succeeded in India? Which three policies adopted by India ensured this success?

Physics

1. List four characteristics of images formed by Plane mirror.
2. A shaving mirror has a radius of curvature of 30cm. A man sees his image 2.5 times the size of his face. How far is the mirror from his face?
3. The absolute Refractive indices of benzene and kerosene are 1.50 and 1.44 respectively what is the refractive index of benzene with respect to kerosene?
4. To get a real and inverted image of same size as that of the object by a thin convex lens of focal length 20cm, where should the object be placed? Draw a ray diagram to show image formation in this case.
5. You are provided with two convex lenses of focal length 25cm and 50cm respectively, Which lens will you use to obtain more convergent light? Justify your answer.

Chemistry

1. What happens when green coloured crystals of ferrous sulphate are heated? Which term is used to represent such type of reactions?
2. Write balanced equations for the following reactions and identify the type of reaction in each case.
   (a) In thermit reaction, iron(III) oxide reacts with aluminium and gives molten iron and aluminium oxide.
   (b) Chlorine gas is passed in an aqueous solution of potassium iodide to form potassium chloride solution and solid iodine.
   (c) Magnesium ribbon is burnt is an atmosphere of nitrogen gas to form solid magnesium nitride.
3. Identify the reducing agent in following reactions and balance the equation :-
   (a) $NH_3 + O_2 \longrightarrow NO + H_2O$
   (b) $H_2O + F_2 \longrightarrow HF + HOF$

(c) $Fe_2O_3 + CO \longrightarrow Fe + CO_2$

(d) $H_2 + O_2 \longrightarrow H_2O$

4. You are provided with two containers made up of copper and aluminum. You are provided with solutions of dilute HCl, dilute HNO_3, $ZnCl_2$ and H_2O. In which of the above containers these solutions can be kept?

5. Give Reasons :-
   (a) Na acts as reducing agent while chlorine acts as an oxidizing agent in the reaction.
   $$2Na \text{ (s)} + Cl_2 \text{ (g)} \longrightarrow 2NaCl$$
   (b) White coloured AgCl turns grey when kept in sunlight.
   (c) Colour of the solution changes when iron nail is dipped in copper sulphate solution.

Biology

1. Mention the digestive glands, terms for their secretions, the enzymes the food nutrient on which they act and the products formed after digestion associated with alimentary canal of man.
2. Explain the following aspects of photosynthesis in plants :-
   (a) The role of Chlorophyll.   (b) Events which occur during photosynthesis.
   (c) How is excess of carbohydrates stored in plants & animals?
3. Describe the process of nutrition in Amoeba.
4. Give reasons for the following :-
   (a) Why is small intestine very long in our body?
   (b) Why is there a need for absorption of digested food?
   (c) Why is mucus needed during process of digestion in stomach?
5. Explain the following :-
   (a) Emulsification of fat   (b) Peristaltic movement   (c) functions of large intestine
6. Describe the events occurring during the process of breathing in humans.
7. What is Pyruvate? How is it produced? What is its function in a cell?
8. "Respiration is the vital function of the body." Justify.
9. What is respiration? Mention the two types of respiration occurring in living organisms. Describe briefly the two types of respirations. Write the equations for both the processes.
10. (a) Why is blood considered the most efficient tissue to carry oxygen to different parts of the body?
    (b) How do fishes breathe?
    (c) How do lungs communicate with outside?
    (d) What happens to energy released during oxidation of glucose?

English

Answer the following questions :-
1. What was the thing about the boys that struck the author the most? (The Gentlemen of Verona).
2. Why did the boys hate the Germans?
3. What do you think Mrs. Packletide feels about Loona Bimberton?
4. Though Mrs Packletide shot a tiger but the hunt went off without a hitch of real adventure. Why?
5. Why had the post office become a place of pilgrimage for Ali?
6. How does Ali describe the peons who came for letters for their firms?
7. Why were Ali's eyes filled with tears of helplessness?
8. Why does the nightingale call the frog a 'Mozart in disguise?'
9. How did the frog use the nighteagle to fulfill his own selfish interests and what all means did he adopt to achieve his goal?
10. Why has the mirror been called the 'The eye of a little god'?

11. Why does the woman turn to liars like the candles and the moon?

12. How is the mirror important to the woman?

Novel – 12 June, 1942 – 13 June, 1943

1. Why were the Franks forced to hide? How did Anne and other members manage themselves? What sort of relationship did she have with them?

2. "I hope I will be able to confide everything to you, as I have never been able to confide in anyone, and I hope you will be a of comfort and support." Explain.

3. How did the Germans force the franks to lead a hellish life? What restrictions were put on the Jews?

4. Who is Kitty? What does Anne tell her about Ping Pong Club and her classroom activity?

5. How Annexe inmates did celebrated several festivals?

6. What were the problems faced by Annexe inmates during their stay in the secret Annex?

7. Based on your reading of the text from 12 June, 1942 to 13 June, 1943, attempt the following characteristics :-   (a) Anne Frank   (b) Otto Frank   (c) Edith Frank   (d) Van Daans   (e) Mr. Dussel

Std – X – English, Assignment

Name _____ Class & Sec. _____ Roll No. _____

INTEGRATED GRAMMAR EXERCISES

Gap Filling

Q. Fill in the blanks in the following passages with appropriate forms of the verbs given in brackets.

1. Yesterday I (a) .... (receive) a phone call that my father (b) .... (be) unwell. I (c) .... (book) a ticket online and (d) .... (leave) for Amritsar. On the way, I (e) .... (meet) a young man who (f) .... (offer) me some biscuits.

2. What (a) .... (be) meditation? Meditation (b) .... (mean) when the mind (c) .... (be) without any agitation. It (d) .... (cool) the mind, the mind (e) .... (become) thoughtless. There (f) .... (be) different methods of meditation.

3. There (a) .... (be) a beggar in a village. He (b) .... (use) to go door to door for his alms. All the women of that area (c) .... (like) him. One day he (d) .... (do) not come for begging. The women (e) .... (become) very anxious. They all (f) .... (go) to see that beggar and took food along with them.

4. Tomorrow I (a) .... (go) for an entrance test at B B Public School. If I (b) .... (clear) that test, I (c) .... (be) get a job in an MNC called Satian. There (d) .... (be) five thousand candidates for that job. I (e) .... (work) very hard for that test. Let's see what (f) .... (happen).

5. Kamakhya temple (a) .... (be) in Guwahati. People from all over the world (b) .... (come) here and (c) .... (pray). This temple (d) .... (be) on the Nilgiri hills. The Goddess (e) .... (bestow) her divine grace on her devotees whoever (f) .... (go) there.

6. The caves of Ajanta and Ellora (a) .... (be) the magnificent works of a sculpture. They (b) .... (be) situated near Jalgaon in Maharashtra. Whoever (c) .... (go) there (d) .... (become) spellbound. Thousands of tourists (e) .... (visit) these places every year. One can (f) .... (stay) in guest houses.

7. The clock (a) _____ (strike) five. Everybody (b) _____ (be) sleeping. Shiela (c) _____ (wake) up and (d) _____ (call) the watchman. There (e) _____ (be) no reply. She (f) _____ (go) into the kitchen and made tea for herself.

8. Delhi (a) _____ (be) the capital of India. People from all parts of the country and world (b) _____ (come) to visit Delhi. There (c) _____ (be) many historical buildings. Last year I, (d) _____ (visit) Delhi. I also (e) _____ (attend) the Commonwealth 2010. There (f) _____ (be) many colourful programmes.

9. The moment they (a) _____ (be) out of sight, Ali Baba (b) _____ (heave) a sigh of relief. He came down from the tree and (c) _____ (reach) the foot of the same mountain where the thieves (d) _____ (gather). He (e) _____ (cry) out, "Open Seasame !" and the rock which (f) _____ (block) the entrance into the cave moved with a sliding sound.

10. M/S Ansals Agencies (a) _____ (be) road and building contractors. They (b) _____ (construct) buildings and malls. They (c) _____ (has) an excellent and qualified staff to look after their work. They (d) _____ (propose) to build a mall near Noida. Mr. Harish Sharma (e) _____ (be) the chairman of this firm. He (f) _____ (wear) silver colour spectacles.

11. Remember (a) _____ day is a new chance (b) _____ get everything right. There is something (c) _____ flexible people. They are relatively easy to please, fun to talk (d) _____ and (e) _____ great co-workers and friends. They are (f) _____ home almost anywhere and more importantly make you feel the same.

12. Simla summer camp (a) _____ an annual programme. This year it (b) _____ (c) _____ the Pabber valley in the upper regions of Simla. Summer camp aims (d) _____ bring about growth and holistic development. It (e) _____ you a chance to visit some (f) _____ the most exotic landscapes of this British town.

SENTENCE REORDERING

Q. Arrange the following into meaningful sentences.

1. (a) never/himself/large/solutions/economic/with/Gandhiji/political/or/contented

   (b) backwardness/wanted/immediately/cultural/Gandhiji/and/social/seeing/the/do/something/to

   (c) doctor/for/got/to/his/months/services/Gandhiji/a/volunteer/six

2. (a) you /want/ get/this/done/work/9 a.m./if/2 p.m./had/come/better/between/you/and

   (b) even/if/better/decide/come/you/along/is/it/to

   (c) look/as if/not sleep/you/all night/did/you

3. (a) do not/please/the roads/litter

   (b) the sun/do not play/outside/is shining/too/brightly/so better

   (c) no/difference/makes/it/you/if/someone else/asked/to do it

4. (a) no laughing matter/it is/you/pushed/younger brother/your/into/a/of water/puddle/that

   (b) what may/you/come/finish/homework/your/the party/before/will

   (c) know/better/than/you/disrespect/to/elders/your

5. (a) rains/before/it/must/up/pick/the clothes/from the/clothesline/you

   (b) you/must/always/be/so/formal?

   (c) natural/to/scared/be/of/thunderstorm/it/is

EDITING

Q. The following passage have not been edited. There is one error in each line. Write the incorrect word and correction against each line. Do not copy the whole passage.

	Incorrect	correct
1. (a) Spending time in your kids	....	....
(b) bring immediate as well as long	....	....

(c) term gain for the parents. ....

(d) According to a research, children of a ....

(e) involved parent were more efficient ....

(f) and get in better with their peers. ....

2. (a) Surbhi : I wished to know about the tour ....

programme your company offers.

(b) Also kindly let me knows the ....

(c) amount what I have to pay. Also ....

(d) let me know if there was any ....

discount available? Also let me

(e) know what are the mode of payment? ....

Travel Agent : I will certainly, if

(f) I am also allow to speak. ....

Incorrect   correct

3. (a) Since I has nothing else to do, hence ....

(b) I am a ragpicker scrounging in ....

(c) bins and heaps. I know if this is ....

(d) the only means for survival for me. I hail ....

(e) from the streets of Dhaka. We lived under ....

(f) the leaking roofs. Garbage have different ....

meaning to us, I find sometimes a rupee in it.

Incorrect   correct

4. (a) The Chief Minister in Gujarat ....

(b) met the student of SRCC ....

(c) in 6th February in Delhi. ....

(d) He deliver a lecture on ....

(e) the global roll of Gujarat economy ....

(f) His lecture is appreciated by all. ....

Incorrect   correct

5. (a) Sachin Tendulkar is a best ....

(b) cricketer in India. He play for ....

(c) more then 10 years for a country. ....

(d) He take retirement from the game

(e) this year. He is know for

(f) his skill in betting and fielding.

	Incorrect	correct

6. (a) Last weak the super thief

(b) is caught in Pune by the

(c) Pune police. He was arrest

(d) from an hotel in the city.

(e) According to the police he have more

(f) then 500 cases of theft against him

OMISSION

Q. In the passages given below, one word has been omitted in each line. Write the word in your answer sheet along with the word that comes before and the word that comes after it, against each line number

	Before	Word	After

7. (a) Wandering along the streets Mumbai

(b) my sons and I stopped the eating

joints. Wherever we happen to be, we

(c) make sure we taste the food of

(d) the restaurant. In Mumbai we

(e) tasted the regional food was

(f) sumptuous and tickled taste buds.

8. (a) Savita, young girl in a

(b) dark pink dress, sits an

(c) elderly woman, soldering pieces glass.

(d) As hands move mechanically like

(e) the tongs of machine, I wonder if

(f) she the sanctity of the bangles.

9. (a) I badly wanted learn swimming,

(b) so I hired a trainer who train me

(c) for a month. After training was complete

(d) I tried to swim alone, without

(e) anyone navigating me. I jumped the ....

(f) pool which was three deep at one end ....

and eleven at the other. Icy horror grabbed my heart.

10. (a) One night Rahim lost way as he ....

(b) was trudging along road. He caught ....

(c) sight of a little gray cottage by roadside. ....

(d) He knocked the door to ask ....

(e) for shelter for night. He was given ....

(f) a warm welcome an old man ....

without wife or child.

11. (a) On the twenty-fifth birthday Garima ....

(b) I gifted her expensive mobile. ....

(c) The young girl opened up packet ....

(d) which beautifully wrapped by me. ....

(e) She it up immediately and ....

(f) on the gift of her choice she ....

gave a little cry of joy.

12. (a) Saima, active social worker ....

(b) happened to the slum of Seelampur. ....

(c) There she a lady. She noticed ....

(d) the state of women's clothes. ....

(e) One women took into her hut ....

(f) and said, "Look, there no box ....

or cupboard here for clothes."

13. (a) A group scholars is meeting ....

(b) In Jaipur Feb 10 to discuss ....

(c) the issue global warming. ....

(d) According the organisers ....

(e) it will attended by some ....

(f) well known scientists the world. ....

Ch. – Linear Equation in two Variable.

1. Represent the following system of linear equations graphically. From the graph, find the points where the lines intersect y-axis :

   $3x + y - 5 = 0, 2x - y - 5 = 0$ [CBSE 2008]

2. Solve the following system of equations for x and y :

   $$\frac{5}{x-1} + \frac{1}{y-2} = 2, \quad \frac{6}{x-1} - \frac{3}{y-2} = 1$$

   [CBSE 2008 (C)]

3. Solve for x and y :

   $$\frac{ax}{b} - \frac{by}{a} = a + b$$

   $$ax - by = 2ab$$ [AICBSE 2009]

4. Places A and B are 100 km apart on a highway. One car starts from A and another from B at the same time. If the cars travel in the same direction at different speeds, they meet in 5 hours. If they travel towards each other, they meet in 1 hour. What are the speeds of the two cars ?

   [CBSE (D) 2009]

5. Solve the following pair of equations :

   $$\frac{10}{x+y} + \frac{2}{x-y} = 4$$

   $$\frac{15}{x+y} - \frac{5}{x-y} = -2$$ [CBSE (D) 2009]

6. Find the value of m for which the pair of linear equations $2x + 3y - 7 = 0$ and $(m - 1)x + (m + 1)y = (3m - 1)$ has infinitely many solutions.

   [AICBSE 2010]

7. The sum of the numerator and the denominator of a fraction is 4 more than twice the numerator. If 3 is added to each of the numerator and denominator, their ratio becomes 2 : 3. Find the fraction.

   [AICBSE 2010]

8. Find the value of k for which the following pair of linear equations have infinitely many solutions :
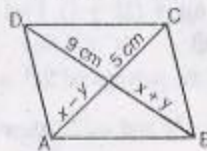
   $2x + 3y = 7; (k - 1)x + (k + 2)y = 3k$

   [CBSE (D) 2010]

9. The sum of numerator and denominator of a fraction is 3 less than twice the denominator. If each of the numerator and denominator is decreased by 1, the fraction becomes $\frac{1}{2}$. Find the fraction.

   [CBSE (D) 2010]

19. In the given figure, ABCD is a parallelogram. Find the values of x and y.

[CBSE Sept. 2011]

10. Draw the graph of the following equations :

    $x + y = 5, x - y = 5$

    (i) Find the solution of the equation from the graph.

    (ii) Shade the region formed by the lines and the y-axis.

11. Solve graphically the following system of equations :

    $x + 2y = 5, 2x - 3y = -4$. Also, find the points where the lines meet the x-axis.

    [CBSE Sept. 2010]

12. The annual incomes of A and B are in the ratio 3 : 4 and their annual expenditures are in the ratio 5 : 7. If each saves ₹ 15000 annually, find their annual incomes.   [CBSE Sept. 2010]

13. The sum of a two digit number and the number obtained by reversing the digits is 66. If the digits differ by 2, find the number. How many such numbers are there ?   [CBSE Sept. 2010]

14. The sum of a two digit number and the number obtained by interchanging the digits is 99. If the digits of the number differ by 3. Find the number.

    [CBSE Sept. 2010]

15. The sum of digits of a two digit number is 15. The number obtained by interchanging the digit exceeds the given number by 9. Find the number.

    [CBSE Sept. 2010]

16. A person travels 600 km partly by train and partly by car. If he covers 400 km by train and the rest by car, it takes 6 hours 30 minutes. But if he travels 200 km by train and the rest by car, he takes half an hour longer. Find the speed of car and that of the train.   [CBSE Sept. 2010]

17. Father's age is three times the sum of his two children's age. After 5 years his age will be twice the sum of the ages of two children. Find the age of father.   [CBSE Sept. 2010]

18. Find the values of a and b for which the system of linear equation has infinite number of solutions.

    $$3x - y = 14$$

    $$(a + b)x - 2by = 5a + 2b + 1$$

    [CBSE Sept. 2011]

20. Solve for x and y :

    $133x + 87y = 353$ and $87x + 133y = 307$.

    [CBSE Sept. 2012]

1. Use Euclid's Division Lemma to show that the square of any positive integer is either of the form $3m$ or $(3m + 1)$ for some integer m. [AI CBSE 2008, 2008 (C)]

2. Show that only one of the numbers n, $n + 2$ and $n + 4$ is divisible by 3. [CBSE Delhi, 2008 (C)]

3. Prove that $\sqrt{3}$ is an irrational number. [CBSE (D) 2009]

4. Has the rational number $\dfrac{441}{2^2.5^7.7^2}$ a terminating or a non-terminating repeating decimal representation ? [CBSE (D) 2010]

5. Prove that $2 - 3\sqrt{5}$ is an irrational number. [CBSE (D) 2010]

6. Show that the square of any odd integer is of the form $4q + 1$ for some integer q. [CBSE Sept. 2010]

7. Show that any positive integer a is of the form $3q$ or $3q + 1$ or $3q + 2$. [CBSE Sept. 2010]

8. Show that the product of three positive integers is divisible by 6. [CBSE Sept. 2010]

9. Use Euclid's division algorithm to find HCF of 870 and 225. [CBSE Sept. 2010]

10. Show that 9^n cannot end with the digit 2 for any natural n. [CBSE Sept. 2011]

11. Using Fundamental Theorem of Arithmetic, find the HCF of 26, 52 and 91.

12. Find the LCM of 120 and 70 by Fundamental Theorem of Arithmetic. [CBSE Sept. 2011]

13. Find the LCM and HCF of 120 and 144 by fundamental theorem of arithmetic. [CBSE Sept. 2011]

14. The HCF of 408 and 1032 is expressible in the form $1032m - 2040$. Find the value of m. Also, find the LCM of 408 and 1032. [CBSE 2012-MA2-027]

15. On a morning walk, three persons steps off together and their steps measure 40 cm, 42 cm and 45 cm respectively, what is the minimum distance each should walk so that each can cover the same distance in complete steps ? [CBSE 2012-MA2-05-4A][CBSE 12-MA2-05-4B]

16. Show that any positive odd integer is of the form $4q + 1$ or $4q + 3$, where q is a positive integer. [CBSE Sept. 2010, 2012, 2015]

17. Use Euclid's Lemma to show that the square of any positive integer is either of the form $3n$ or $3n + 1$ for some integer n. [CBSE Sept. 2012]

Ch. Polynomial.

1. Find the zeroes of the quadratic polynomial $5x^2 - 4 - 8x$ and verify the relationship between the zeroes and the coefficients of the polynomial. [CBSE 2008]

2. Using division algorithm, find the quotient and remainder on dividing $f(x)$ by $g(x)$, where $f(x) = 6x^3 + 13x^2 + x - 2$ and $g(x) = 2x + 1$. [CBSE 2008 (C)]

3. If the polynomial $6x^4 + 8x^3 + 17x^2 + 21x + 7$ is divided by another polynomial $3x^2 + 4x + 1$, the remainder comes out to be $(ax + b)$, find a and b. [CBSE 2009]

4. If the polynomial $x^4 + 2x^3 + 8x^2 + 12x + 18$ is divided by another polynomial $x^2 + 5$, the remainder comes out to be $px + q$. Find the values of p and q. [CBSE (D) 2009]

5. If α, β are the zeroes of the polynomial $2y^2 + 7y + 5$, write the value of $\alpha + \beta + \alpha\beta$. [CBSE 2010]

6. If α, β are the zeroes of a polynomial, such that $\alpha + \beta = 6$ and $\alpha\beta = 4$, then write the polynomial. [CBSE 2010]

7. If two zeroes of the polynomial $x^3 - 4x^2 - 3x + 12$ are $\sqrt{3}$ and $-\sqrt{3}$, then find its third zero. [CBSE 2010]

8. Find the zeroes of the following quadratic polynomial and verify the relationship between zeroes and their coefficient :
(i) $3\sqrt{2}x^2 + 13x + 6\sqrt{2}$ (ii) $4\sqrt{5}x^2 - 17x - 3\sqrt{5}$ [CBSE 2010]

9. Form a quadratic polynomial whose one of the zeroes is -15 and sum of the zeroes is 42. [CBSE 2010]

10. Find a quadratic polynomial with zeroes $3 + \sqrt{2}$ and $3 - \sqrt{2}$. [CBSE 2010]

11. Check whether $(x^2 - x + 1)$ is a factor of $(x^3 - 3x^2 + 3x - 2)$. [CBSE Sept. 2011]

12. Can $(x - 1)$ be the remainder on division of a polynomial $p(x)$ by $2x + 3$? Justify your answer. [CBSE Sept. 2011]

13. If two zeroes of the polynomial $x^4 + 3x^3 - 20x^2 - 6x + 36$ are $\sqrt{2}$ and $-\sqrt{2}$, find the other zeroes of the polynomial. [CBSE Sept. 2011]

14. Find all the zeroes of the polynomial $x^4 - 5x^3 + 2x^2 + 10x - 8$, if two of its zeroes are $\sqrt{2}, -\sqrt{2}$. [CBSE Sept. 2011]

15. Find all the zeroes of the polynomial $2x^4 - 3x^3 - 5x^2 + 9x - 3$, it is being given that two of its zeroes are $-\sqrt{3}, \sqrt{3}$. [CBSE Sept. 2011]

16. If the polynomial $f(x) = x^4 - 6x^3 + 16x^2 - 25x + 10$ is divided by another polynomial $x^2 - 2x + k$, the remainder comes out be $x + a$, find k and a. [CBSE Sept. 2011]

17. α, β are the roots of the quadratic polynomial $p(x) = x^2 - (k - 6)x + (2k + 1)$. Find the value of k, if $\alpha + \beta = \alpha\beta$. [CBSE Sept. 2010, 2012]

18. If two zeroes of the polynomial $2x^4 + 7x^3 - 19x^2 - 14x + 30$ are $\sqrt{2}$ and $-\sqrt{2}$, then find all the zeroes. [CBSE 2013-E121290]

19. Find k so that the polynomial $x^2 + 2x + k$ is a factor of polynomial $2x^4 + x^3 - 14x^2 + 5x + 6$. Also, find all the zeroes of the two polynomials. [CBSE 2013-HJBTR4U, BP63NCD]

20. If the zeroes of the polynomial $x^3 - 3x^2 + x + 1$ are $a - b, a, a + b$. Find 'a' and 'b'. [CBSE 2013-KVLUKI]

I.T

1. Create an account in Gmail and submit its hardcopy.
2. Create a Blog account in wordpress website and submit its hardcopy.
3. Create a Document in Ms-word.   Topic: A. Computer Security and Privacy.   B. Wi-Fi and Wi-Max
4. Revise Unit 2 and 3.

PUNJABI

ਕਿਰਿਆ ਪੱਤਰੀ :

I. ਹੇਠ ਲਿਖੇ ਪ੍ਰਸ਼ਨਾਂ ਦੇ ਉੱਤਰ ਦਿਓ:

1. 'ਗੁਰੂ ਮਹਿਲ' ਤੋਂ ਕੀ ਭਾਵ ਹੈ? ਬੀਬੀ ਭਾਨੀ ਜੀ ਕਿਸ ਦੇ ਗੁਰੂ ਮਹਿਲ ਸਨ ? 2. ਬੀਬੀ ਭਾਨੀ ਜੀ ਦੇ ਕਿੰਨੇ ਪੁੱਤਰ ਸਨ, ਕ੍ਰਮਵਾਰ ਨਾਂ ਲਿਖੋ ।

3. ਬੀਬੀ ਭਾਨੀ ਜੀ ਦਾ ਬਚਪਨ ਕਿਵੇਂ ਬੀਤਿਆ?   4. ਬੀਬੀ ਭਾਨੀ ਜੀ ਕਿਹੋ-ਜਿਹੇ ਸੁਭਾਅ ਦੇ ਮਾਲਕ ਸਨ ?

5. ਬੀਬੀ ਭਾਨੀ ਜੀ ਨੇ ਕੀ ਵਰ ਮੰਗਿਆ ਤੇ ਕਿਉਂ ?   6. ਤੁਹਾਨੂੰ ਬੀਬੀ ਭਾਨੀ ਦੀਆਂ ਕਿੰਨ੍ਹਾਂ ਗੱਲਾਂ ਨੇ ਪ੍ਰਭਾਵਿਤ ਕੀਤਾ ?

7. ਬੀਬੀ ਭਾਨੀ ਜੀ ਕਿਹੜੇ-ਕਿਹੜੇ ਗੁਰੂ ਸਾਹਿਬਾਨਾਂ ਨਾਲ ਰਿਸ਼ਤੇ 'ਚ ਬੱਝੇ ਹੋਏ ਸਨ ?

8. ਕੀ ਤੁਸੀਂ ਦਾਨ-ਪੁੰਨ ਵਿੱਚ ਵਿਸ਼ਵਾਸ ਕਰਦੇ ਹੋ? ਆਪਣੇ ਵਿਚਾਰ ਪੇਸ਼ ਕਰੋ ।

9. "ਨਸ਼ੇ ਤੇ ਜੂਏ ਵਰਗੀਆਂ ਸਮਾਜਕ ਬੁਰਾਈਆਂ ਘਰ-ਪਰਿਵਾਰ ਤਬਾਹ ਕਰ ਦਿੰਦੀਆਂ ਹਨ ।" ਕੀ ਤੁਸੀਂ ਇਸ ਤੱਥ ਨਾਲ ਸਹਿਮਤ ਹੋ ?

10. ਪਖੰਡੀ ਸਾਧੂਆਂ ਤੇ ਬਾਬਿਆਂ ਤੋਂ ਕਿਵੇਂ ਛੁਟਕਾਰਾ ਪਾਇਆ ਜਾ ਸਕਦਾ ਹੈ ?   11. ਬੇਬੇ ਰਾਮ ਭਜਨੀ ਦੀ ਕਿਹੋ-ਜਿਹੀ ਸ਼ਖਸੀਅਤ ਸੀ ?

12. ਇਕਾਂਗੀ 'ਬੇਬੇ ਰਾਮ ਭਜਨੀ' ਦਾ ਵਿਸ਼ਾ-ਵਸਤੂ ਪੇਸ਼ ਕਰੋ ।   13. ਕਿੰਨੂ ਪੈਦਾ ਕਰਕੇ ਪੰਜਾਬੀਆਂ ਨੇ ਲੋਕਾਂ ਨੂੰ ਕਿਹੜਾ ਫਲ ਭੁਲਾ ਦਿੱਤਾ ਹੈ ?

15. ਮੰਡੀ ਵਿੱਚ ਪਈ ਕਣਕ ਕਿਉਂ ਸੜਨ ਲੱਗ ਪਈ ਹੈ ?   16. ਜ਼ਿਆਦਾ ਅੰਗੂਰ ਉਗਾਉਣ ਦਾ ਕੀ ਨੁਕਸਾਨ ਹੁੰਦਾ ਹੈ ?

17. ਕਿਹੜੀ ਫਸਲ ਲਈ ਪਾਣੀ ਦੀ ਜ਼ਿਆਦਾ ਮਾਤਰਾ ਲੋੜੀਂਦੀ ਹੈ ?   18. ਜਮੀਨਾਂ ਵੇਚ ਕੇ ਪੰਜਾਬੀ ਕੀ ਖਰੀਦ ਰਹੇ ਹਨ ?

19. 'ਨੰਬਰ ਵਨ ਦੀ ਰੇਸ' ਵਾਰਤਕ ਦੇ ਲੇਖਕ ਦਾ ਕੀ ਨਾਮ ਹੈ ?   20. ਮੁਲਕ ਦਾ ਅੰਨਦਾਤਾ ਕਿੰਨ੍ਹਾਂ ਨੂੰ ਆਖਿਆ ਗਿਆ ਹੈ ?

21. ਕੁੜੀ ਦੇ ਜਨਮ ਸਮੇਂ ਪੰਜਾਬੀ ਕੀ ਮਹਿਸੂਸ ਕਰਦੇ ਹਨ ?

22. 'ਗਰਭ ਜੌਨੀ' ਕਿਸ ਪ੍ਰਤੀਕ ਲਈ ਵਰਤਿਆ ਗਿਆ ਹੈ ?

23. 'ਗਰਭਿ' ਤੋਂ ਕੀ ਭਾਵ ਹੈ ?

24. ਕਿਸ ਨੇ ਲੇਖ ਲਿਖਾਏ ਹਨ ?

25. 'ਗਉੜੀ ਬੈਰਾਗਣਿ ਮ:੩' ਰਚਨਾ ਤੋਂ ਸਾਨੂੰ ਕੀ ਸਿੱਖਿਆ ਮਿਲਦੀ ਹੈ ?

26. ਗੁਰਮੁਖਿ ਤੇ ਮਨਮੁਖਿ ਵਿਚਲਾ ਅੰਤਰ ਸਪੱਸ਼ਟ ਕਰੋ ।

- ਕਰਾਏ ਗਏ ਸਾਰੇ ਕੰਮ ਦੀ ਦੁਹਰਾਈ ਕਰੋ ।

HINDI

प्रश्न;- निर्देशानुसार वाक्यों को परिवर्तित करें ?

1. प्याला दिरा और टूट गया । (सरल वाक्य)   2. संतोषी व्यक्ति सदा सुखी रहता है । (मिश्र वाक्य)

3. सूर्योदय होने पर पक्षी बोलने लगे । (संयुक्त वाक्य)

प्रश्न;- निर्देशानुसार वाच्य बदलिए;-

1. मैं अब नहीं चल पाता। (भाववाच्य)   2. दादी माँ पूजा करेंगी ।(कर्मवाच्य)   3. चपरासी द्वारा घंटी बजाई गई । (कर्तृवाच्य)

प्रश्न;- वाच्य का भेद बताइए ;-

1. अब बैठा नहीं जाता।   2. रमेश कसरत करता है ।   3. मोहन घुड़सवारी कर रहा है ।

प्रश्न:- रेखांकित पदों का पद परिचय लिखिए:-

1. प्रधानमंत्री जापान गए।   2. सुरेश सातवीं कक्षा में पढ़ रहा है।   3.वाह! भारत मैच जीत गया।

प्रश्न:- रेखांकित पद का भेद बताइएं:-

1. वह किसका मकान है।   2. राम और श्याम दौड़ रहे है।   3. गाड़ी धीमी गति से चल रही है।

प्रश्न:- निम्नलिखित पंक्तियों में प्रयुक्त र सके भेद बताइए:-

1. रानी विधवा हुई हाय विधि को भी दया न आई।   2. ठुमक चलता रामचंद बाजत पैजनिया।

3. नाक पकौड़ा सी लगे, रंग – बिरंगे गाल।   सूरत है लंगूर सी, बंदर जैसी चाल।

4. कबिरा खड़ा बाज़ार मे; सबकी माँगे खैर।   ना काहू सो दोस्ती, न काहू सो वैर।

प्रश्न:- 'माता का अँचल' पाठ के शीर्षक की सार्थकता पर अपने विचार व्यक्त करें?

प्रश्न:- लेखक ने 'लखनवी अंदाज' कहानी के माध्यम से समाज के किस वर्ग पर कटाक्ष किया पाठ है?

प्रश्न:- स्वेच्छानुसार एक विज्ञापन तैयार कीजिए?

प्रश्न:- 'उद्यमेन हि सिध्यन्ति कार्याणि' अर्थात् मेहनत से ही कार्य सिद्ध होते है कथन पर अपने विचार व्यक्त करें ?