

GURU GOBIND SINGH PUBLIC SCHOOL, CHAS

SPECIAL ASSIGNMENT

CLASS X ENGLISH

1. The following passage has not been edited. There is an error in each line. Find the error and write its correction.

Incorrect	Correct
(a) Often these days we hear and speak of the conquered	_____
(b) In nature, ' the taming of a river', ' the war against insects'	_____
(c) And so on. Often these phrases being used without consciously	_____
(d) Attaching any value to them, but those have a	_____
(e) Underlying attitude of hostile towards nature and nature's	_____
(f) Creatures, a viewpoint which seeming to assume	_____
(g) Nature as an enemy that needs to be vanquished.	_____
(h) Alternatively, nature is seen merely as the 'resource' to be exploited	_____
(i) But nature balance itself in its own way.	_____

2. Rearrange the following words/phrases to form meaningful sentences.

- (a) Places/Reena/which give/museums and art/are/stores/pleasure/to
- (b) Memories/of his/Mohan/America/has/fond/time/in
- (c) The beginning of/third day/the snow ceased on the/the storm/after
- (d) An antidote/and pain/it is/to stress
- (e) For toning/a good exercise/up/it is/facial muscles
- (f) Makes one/ of friends/feel good/in making/a lot/laughter/and helps

3. Complete the passage using correct form of verbs.

The bus _____ at the lights. Hari hurriedly _____ the bus to check what _____ wrong. He couldn't see anything as it was very dark outside. He _____ only make out that the roads _____ crowded with people.

4. In the passage given below, one word has been omitted in each line. Write the missing word along with the word that comes before and the word that comes after it.

	Before	Missing	After
(a) The small town was the	_____	_____	_____
(b) Foot of the mountains. Most the	_____	_____	_____
(c) People were farmers. There traders also	_____	_____	_____
(d) In the town. Though not rich were	_____	_____	_____
(e) Happy contented. At one	_____	_____	_____
(f) Time the peace broken by	_____	_____	_____
(g) Several robberies. The people frightened.	_____	_____	_____
(h) The Mayor the town called for	_____	_____	_____
(i) A meeting discuss the matter and	_____	_____	_____
(j) Decide the future of action.	_____	_____	_____

5. The level of noise pollution in the city is on the rise. High level of noise is harmful for the humans as well as the animals. You are Krishan Kant, a resident of Chandni Chowk, Delhi. Write a letter to the editor of a National daily highlighting the issue of noise pollution and suggesting measures to reduce it.
6. You are Ankita/Ashish, a student of class X. You are fascinated by the much debated presence of Unidentified Flying Objects (UFO) and their uncommon sightings nowadays. Write an article in about 100-150 words using the following hints to be published in your school magazine.

- Major interest among people
- Aerial objects/ flying saucer
- Referred to be an alien spacecraft
- No concrete or proven theory
- Movies made on UFOs

7. Rajiv had to write a story for a competition. As Rajiv, develop a story on the moral 'A good deed never gets wasted' in about 150-200 words using the given beginning.

“ It was a bright sunny day. I was on my way to..... ”

8. Write the summary of the poems “Dust of Snow” and “Fire and Ice” and identify all the poetic devices used in these poems.
9. Write the story of Lencho- the farmer, from the chapter “A letter to God” in your own words.
10. Write a character sketch of Nelson Mandela taking inputs from the chapter “Nelson Mandela: Long walk to freedom”.
11. Write a short note on “How to take care of our pets properly” with reference to the chapter – A Triumph of Surgery.

Note: All the questions of the assignment are to be done in a Unit Test Copy and submitted within one week of school reopening to the respective subject teacher.

GURU GOBIND SINGH PUBLIC SCHOOL

CHAS, BOKARO

Assignment Work (2020-21)

MATHEMATICS

Class: X

1. Find the largest number which divides 438 and 606 leaving remainder 6 in each case.
2. If α, β are zeroes of a polynomial such that $\alpha + \beta = 6$ and $\alpha\beta = 4$, then write the polynomial.
3. If $x - y = 2$ and $\frac{2}{x+y} = \frac{1}{5}$, then find the values of $x \wedge y$.
4. Two coins are tossed simultaneously. What is the probability of getting at least two heads?
5. Find the greatest possible length which can be used to measure exactly the lengths 7m, 3 m 85cm and 12m 95cm?
6. Find the quadratic polynomial whose sum and product of zeroes are $\frac{1}{4}, -1$ respectively.
7. A card is drawn at random from a well shuffled pack of 52 cards. Find the probability that the card drawn is neither red card nor a king.
8. Solve for $x \wedge y$.
 $3x - 5y - 4 = 0$
 $9x = 2y + 4$
9. Prove that $(2 + \sqrt{3})$ is irrational.
10. Find the HCF of 1008 and 1080 by prime factorization method.
11. Find the value of k for which the system of equation $3x + y = 1$ and $kx + 2y = 5$ has
i) unique solution ii) no solution
12. Solve the following system of equations graphically.
 $2x - 3y = 1, 4x - 3y + 1 = 0$
13. Using remainder theorem, find the remainder when $p(x) = x^3 + 3x^2 - 5x + 4$ is divided by $(x - 2)$.
14. Show that $(x + 2)$ is a factor of $f(x) = x^3 + 4x^2 + x - 6$.
15. Two dice are rolled once. Find the probability of getting such numbers on two dice whose product is perfect square.
16. Find the quotient when $p(x) = 3x^4 + 5x^3 - 7x^2 + 2x + 2$ is divided by $(x^2 + 3x + 1)$.
17. If 1 is added to both numerator and denominator of a fraction it becomes $\frac{4}{5}$. If however 5 is subtracted from both the numerator and denominator the fraction became $\frac{1}{2}$. Find the fraction.

GURU GOBIND SINGH PUBLIC SCHOOL, CHAS
SPECIAL ASSIGNMENT
CLASS X Physics

1. (a) list four characteristics of the images formed by a plane mirrors?
(b) how can you distinguish between a plane mirror a concave mirror and a convex mirror without touching them?
2. (a) explain the term lateral inversion.
(b) in what way is the word ambulance printed in the front of the hospital vans why is it printed this way?
3. Distinguish between real image and virtual image.
4. How is the refractive index of a medium related to the speed of light? Obtain an expression for Refractive Index of a medium with respect to another in terms of speed of light in these two media?
5. (a) draw labelled Ray diagrams for each of the following cases to show the position nature and size of the image formed by a convex lens when the object is placed(1) between its optical centre and principal focus(2)between F and 2F.
(b) how will the nature and size of image formed in the above two cases(1) and (2) change, if the convex lens is replaced by a concave lens of same focal length?
6. Name the type of mirror used in the following situations:
 - (a) headlights of a car.
 - (b) side or rear view mirror of a vehicle.
 - (c) solar furnace.Support your answer with reason.
7. One half of a convex lens is covered with a black paper. Will this lens produce a complete image of the object? Verify your answer experimentally. Explain your observations.
8. List two causes of presbyopia. Draw labelled diagram of a lens used for the correction of this defect of vision.
9. What is meant by persistence of vision? We are able to see the movie picture in a cinema hall. How does this happen?
10. What is meant by scattering of light? Use this phenomenon to explain why the clear sky appears blue or the sun appears reddish at sunrise.
11. Why the colour of sky blue?
12. When do we consider a student sitting in the class to be myopic? List two causes of this defect. Explain using a ray diagram how this defect of eye can be corrected.
13. What is meant by power of accommodation of the eye?
- 14.(a) how do we see colours?

(b) what is colour blindness? What kind of retina cells are lacking in person suffering from this defect?

15. Write the structure of eye lens and state the role of ciliary muscles in the human eye.

GURU GOBIND SINGH PUBLIC SCHOOL, CHAS
SPECIAL ASSIGNMENT
CLASS X Chemistry

1. What is meant by a chemical reaction ?give an example of a chemical reaction.
2. State the characteristic of a chemical reaction.
3. Why should magnesium ribbon be cleaned before burning in air?
4. Explain why respiration is considered as exothermic reaction?
5. Balance the following equation:
 - a) $\text{Na} + \text{O}_2 \rightarrow \text{Na}_2\text{O}$
 - b) $\text{Fe} + \text{O}_2 \rightarrow \text{Fe}_2\text{O}_3$
 - c) $\text{NH}_3 + \text{CuO} \rightarrow \text{Cu} + \text{N}_2 + \text{H}_2\text{O}$
 - d) $\text{Al}_2(\text{SO}_4)_3 + \text{NaOH} \rightarrow \text{Al}(\text{OH})_3 + \text{Na}_2\text{SO}_4$
6. what do you understand by a combination reaction ?explain with two example.
7. What is meant by decomposition reaction? give two example.
8. What is meant by displacement reaction explain with the help of an example.
9. What is meant by double displacement reaction ?explain with the help of an example.
10. Give an example of a redox reaction name the substance oxidized and reduced.
11. Explain the term corrosion with an example.
12. Explain the term rancidity?
13. What are antioxidants why are they added to fat and oil containing food?
14. Explain why food products containing fats and oil like (potato chips)are packed in nitrogen.
15. Write balanced chemical equation with state symbol for the following reaction:

Barium chloride solution react with sodium sulphate solution to give insoluble barium sulphate and solution of sodium chloride.

GURU GOBIND SINGH PUBLIC SCHOOL, CHAS
SPECIAL ASSIGNMENT
CLASS X Biology

Topic:

- Nutrition
- Respiration

Answer the following questions:

1. What is nutrition? What are the different types of nutrition?
2. Explain the different types of Heterotrophic nutrition.

3. Explain the process of nutrition in amoeba.
4. What are the various factors affecting photosynthesis?
5. Name the various digestive glands in human and mention their secretion.
6. a) What is the role of HCl in our stomach?
b) What is emulsification of fat?
7. Draw a well labeled diagram of Human digestive system.
8. How does transfer of carbon dioxide and oxygen takes place in human body?
9. What is peristaltic movement?
10. Explain human respiratory system with the help of well labeled diagram.

[NOTE:- Do the given assignment in Biology Notebook]

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CHAS, BOKARO

Assignment Work (2020-21)

History/Civics/Economics

Class: X

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1. How was the civil disobedience movement different from the non-cooperation movement?
 2. What was Satyagraha? Explain some of the Satyagraha? Explain some of the Satyagrahas launched by 'Gandhi ji'?
 3. "Ideas of Nationalism also developed through a movement to revive Indian Folklore". Explain.
 4. Describe the ethnic composition of Sri Lanka.
 5. Differentiate between Prudential and Moral reasons of power Sharing.
 6. Differentiate between unitary and federal form of government.
 7. Describe the language policy of India.
 8. Why do we need to decentralize the power in India?
 9. Who invented spinning Jenny?
 10. Who was jobber?
 11. What is 'feminist movement'?
 12. What is 'vote bank'?
 13. What is money?
 14. Give example of formal sources of credit?
 15. Why people of England were initially reluctant to use machines?
 16. How caste plays important role in politics?
 17. What are the supervisory functions of RBI?
 18. What is sustainable development? Why it is important?
 19. What are the criteria used by UNDP for classifying countries?
 20. What is Federalism? Mention its features.

GURU GOBIND SINGH PUBLIC SCHOOL
ASSIGNMENT WORK 2020-21

CLASS: X

SUB.GEOGRAPHY

1. Differentiate between renewable and nonrenewable resources.
2. How many types of resources on the basis of ownership ?
3. What are the three process of resource planning in India ?
4. What do you mean by sustainable development? How it is useful for us.
5. What are the causes of land degradation in India ?
6. How many types of soils found in India? Give a detailed account of Alluvial soils.
7. What do you mean by soil erosion? How many types of soil erosion?
8. What are the major causes of soil erosion explain in detail.
9. Explain any five methods of soil conservation.
10. How many types of resources on the basis of the status of development explain with example ?
11. Map Skill.
12. On the political map of India Mark and label the following
 - A.Black soil
 - B.Alluvial soil
 - C.Red and yellow soil
 - D.Arid soil.
 - E.Forest Soil

GURU GOBIND SINGH PUBLIC SCHOOL, CHAS

Assignment 2020

Class - X

Sub. - I.T.

Q. 1 – Write full form –

- (a) WAN (b) WWW (c) Wi – Fi (d)IM e) OLE

Q. 2 - Write short note

- (a) Data Backup (b) IM (c) Internet (d) Browser
e) Text Wrap f) Conditional Format

Q. 3 - Differentiate between the following –

- a) Superscript and Subscript
- b) Header and Footer
- c) Line spacing and paragraph spacing
- d) Line chart and pie chart.

Q. 4 - Write answers in short –

- (a) What do you mean by referencing ? What are different types of referencing ? Explain.
- (b) Write the steps to sort data in a spreadsheet ?
- (c) What is ease of Access Center ?

- (d) Write 4 rules to be followed while chatting.
- (e) What is margins ? List different types of margins.
- (f) What is formula in spreadsheet ? Explain different types of formula.