

Class – X

English

1. Read the novel 'The Story of my life' and learn the questions and answers.
2. Read unit 1 and unit 2 of main course book
3. Write answers [40- 50 words]
 - a) Jealousy and rivalry prompted Mrs packletide to shoot a tiger: Did she succeed in her aim. what price did she pay for her conduct?
 - b) Describe how the war destroyed Nicola and Jacopo's family and made them homeless
 - c) Why did the boys grow to hate the Germans?
 - d) Describe Lucia's illness and her progress in hospital?
 - e) I believe its ill said Louisa Mebbin and why did she say so?
 - f) What message does the poet convey through the poem' The Frog and The Nightingale' ?
 - g) What impression do you form of The Frog and The Nightingale after reading the poem?
4. Write articles [100-120 words]
 - a) Save the planet Earth
 - b) Unplanned and haphazard urbanization
 - c) SafeDriving
5. Write stories based on the inputs given below (150- 200 words)
 - (1) Travelling in metro - tunnel - lights went out - general panic - pushing and shoving - phone flashlights switched on - an old man
 - (2) Mrs Madhu alone in house - had lunch - watching favourite serial - doorbell rang- opened door - a sadhu
6. Read and listen to English news daily
7. Watch National Geographic Channel
8. Clean your room, house and surroundings
9. Plant two trees

Hindi

- 1 नवभारत टाइम्स नई दिल्ली के संपादक को रीना की ओर से एक पत्र लिखो जिसमे यातायात के नियमों की अवहेलना करने वालों के प्रति पुलिस के ढीले रवैये पर चिंता प्रकट की गई हो।
- 2 पुस्तकालय में हिंदी भाषा की पत्रिकाएँ उपलब्ध कराने के लिए प्राचार्या जी को प्रार्थना पत्र।
- 3 निबंध लेखन
भारत में लोकतंत्र
यदि एस्प पुलिस अधिकारी होते।
पर्यावरण संरक्षण।

4वाक्य की परिभाषा और भेद।

रस की परिभाषा और भेद। 5 आपने ग्रीष्मावकाश कैसे बिताया अपने शब्दों में लिखो।

Maths

1. H.C.F and L.C.M of two numbers is 9 and 459 respectively. If one of the numbers is 27, find the other number.
2. Find the HCF (867, 255) using Euclid's division lemma.
3. Show that 4^n , when n is a natural number cannot end with the digit zero for any natural number n.
4. Show that $3 - 4\sqrt{3}$ is irrational.
5. If α, β are zeroes of $p(x) = x^2 - 5x - k$ and $\alpha - \beta = 1$, find the value of k.
6. If two zeroes of the polynomial $f(x) = x^3 - 4x^2 - 3x + 12$ are $\sqrt{3}$ and $-\sqrt{3}$, then find the third zero.
7. Find the zeroes of a quadratic polynomial $5x^2 - 4 - 8x$ and verify the relationship between the zeroes and the coefficient.
8. On dividing the polynomial $2x^3 + 4x^2 + 5x + 7$ by a polynomial $g(x)$, the quotient and the remainder were $2x$ and $7 - 5x$ respectively. Find $g(x)$.
9. If $\tan \theta = \cot(30 + \theta)$ find the value of θ .
10. $\sin A = \frac{\sqrt{3}}{2}$, find the value of $2\cot A - 1$.
11. If $\operatorname{COsec} \theta = \frac{13}{12}$, then evaluate $\frac{2 \sin \theta - 3 \cos \theta}{4 \sin \theta - 9 \cos \theta}$.
12. Evaluate $3\left(\frac{\tan 72}{\cot 18}\right)^2 - 2\left(\frac{\sin 54}{\cos 36}\right)^3 + 2\cot 21 \cot 18 \cot 72 \cot 69$.
13. Calculate the mean of the following

Class	4-7	8-11	12-15	16-19
Frequency	5	4	9	10

14. Determine the mean no. of students.

Below 10	5
Below 20	9
Below 30	17
Below 40	29
Below 50	45
Below 60	60
Below 70	70
Below 80	78
Below 90	83

Below 100	85
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15. The mean of the following distribution is 50, find f_1 and f_2

Class	0-20	20-40	40-60	60-80	80-100
Frequency	17	F_1	32	F_2	19

16. The table shows the salaries of 280 persons

Salary (in thousand)	No. of persons
5-10	49
10-15	133
15-20	63
20-25	15
25-30	6
30-35	7
35-40	4
40-45	2
45-50	1

Calculate the median and mode of the data.

Ex.1.1 Q_1, Q_5

Ex.1.2 Q_2

Ex.1.3 $Q_1, 2$

Ex.2.2 Q_1

Ex.2.3 $Q_1, 2, 3, 4$

Ex.14.1 $Q_3, 5, 8$

Ex.14.2 Q_3

Ex.14.3 Q_2

Ex.8.1 Q_5

Ex.8.2 $Q_1, 3$

Ex.8.3 Q_5

Ex.8.4 Q_5 (i), (iv), (vi), (ix), (x)

Science

Physics

1. what is pole of mirror and optical center of lens .
2. what is radius of curvature of mirror show it on diagram of concave and convex mirror.
3. If radius of curvature of mirror is 35cm .find its focal length.
4. what is principle focus. show it on diagram of concave and convex mirror.
5. write the relation of mirror formula and lens formula.
6. Draw a ray diagram to discuss the nature, size and position of image when object is placed in front of concave mirror:
 - 1) between F and C

II)At F

III)between P and F

7.write rules for drawing ray diagram of lenses

8.what is power of lens . write its formula and S.I unit.

9.draw a ray diagram to discuss the nature,size and position of image when object is placed in front of convex lens at following position :

I)At F

II)between F and2F

III)beyond 2F

10.what are laws of refraction and laws of reflection.

CHEMISTRY (X)

1. What may happen if gold, silver and platinum are exposed to moist air?

2. It is said that decomposition of calcium carbonate to calcium oxide and carbon dioxide on heating is an important decomposition reaction used in various industries. Explain.

3. What happens when salt of silver chloride exposed to sunlight? Write the chemical equation for this reaction.name the type of reaction taking place. What is the utility of the reaction?

4. Most of the reactions are exothermic in nature. Find out the utility of any three such chemical reactions in our daily life?

5. A student dropped few pieces of marble in dil.hydrochloric acid contained in a test tube. The evolved gas was passed through lime water. What change would be observed in lime water? Write the balanced chemical equation for the reaction when (1) gas was evolved (2) gas was passed through the lime water.

6. When electricity is passed through an aqueous solution of sodium chloride, three products are obtained. Why the process is called chlor alkali process?

7. State the name and function of acid produced in our stomach. What remedy would you suggest to a person suffering from indigestion, pain and irritation in stomach? Name the main ingredients of this remedy and state its function.

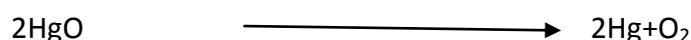
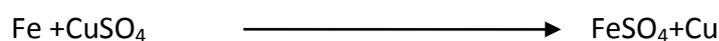
8. (i) A farmer is adding quick lime to his soil. Why he is doing so? What other chemical compounds he can add to his fields?

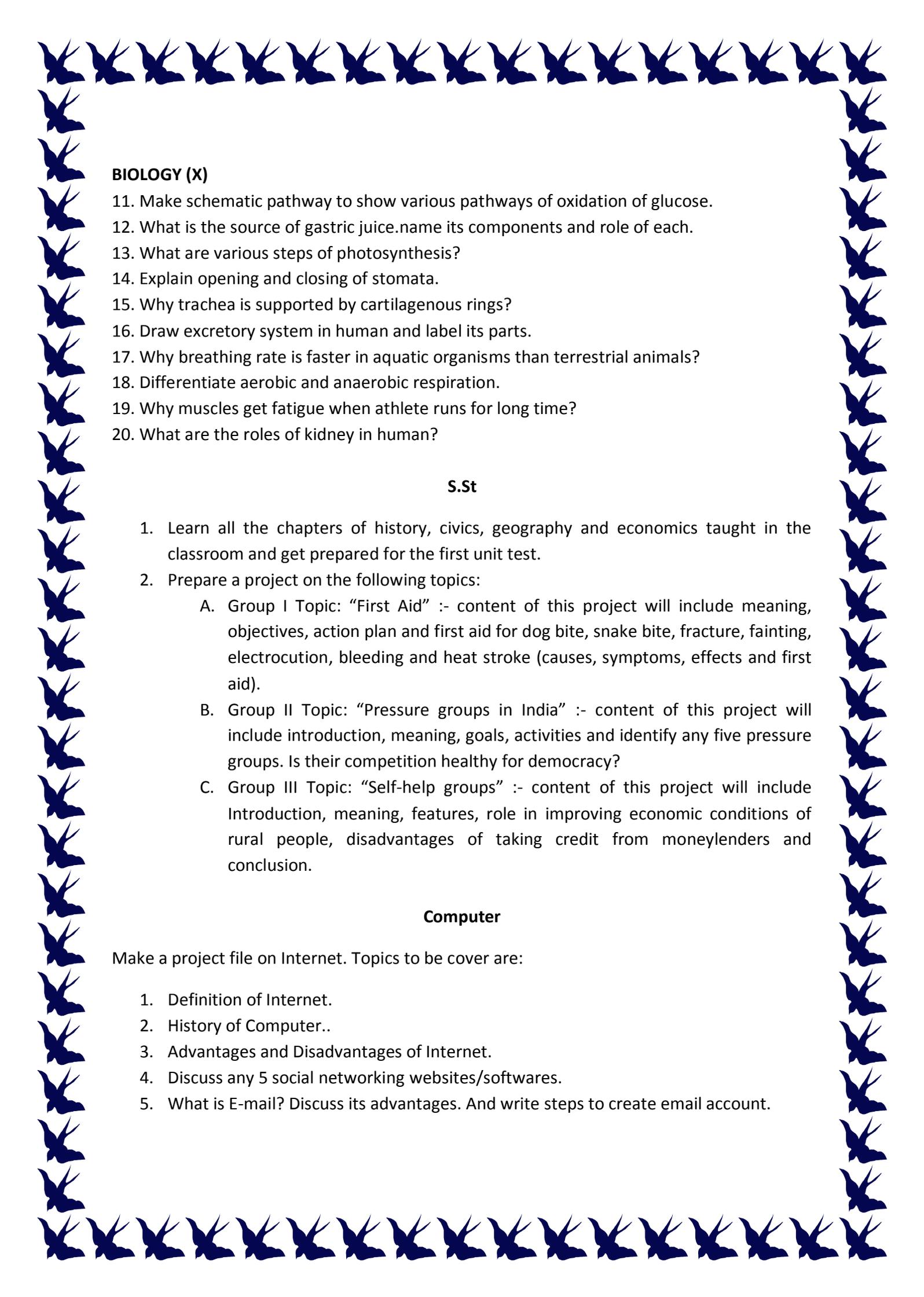
(ii) What may happen if you touch the leaves of nettle plant? What is the remedy for such observation?

9. Write the chemical equation for the preparation of the following salts. Write three properties for each salt and give their role in various chemical industries:

CaO, (ii) NaHCO₃, Na₂CO₃,10H₂O.

10 Indicate the type of reactions taking place in each case:





BIOLOGY (X)

11. Make schematic pathway to show various pathways of oxidation of glucose.
12. What is the source of gastric juice.name its components and role of each.
13. What are various steps of photosynthesis?
14. Explain opening and closing of stomata.
15. Why trachea is supported by cartilagenous rings?
16. Draw excretory system in human and label its parts.
17. Why breathing rate is faster in aquatic organisms than terrestrial animals?
18. Differentiate aerobic and anaerobic respiration.
19. Why muscles get fatigue when athlete runs for long time?
20. What are the roles of kidney in human?

S.St

1. Learn all the chapters of history, civics, geography and economics taught in the classroom and get prepared for the first unit test.
2. Prepare a project on the following topics:
 - A. Group I Topic: "First Aid" :- content of this project will include meaning, objectives, action plan and first aid for dog bite, snake bite, fracture, fainting, electrocution, bleeding and heat stroke (causes, symptoms, effects and first aid).
 - B. Group II Topic: "Pressure groups in India" :- content of this project will include introduction, meaning, goals, activities and identify any five pressure groups. Is their competition healthy for democracy?
 - C. Group III Topic: "Self-help groups" :- content of this project will include Introduction, meaning, features, role in improving economic conditions of rural people, disadvantages of taking credit from moneylenders and conclusion.

Computer

Make a project file on Internet. Topics to be cover are:

1. Definition of Internet.
2. History of Computer..
3. Advantages and Disadvantages of Internet.
4. Discuss any 5 social networking websites/software.
5. What is E-mail? Discuss its advantages. And write steps to create email account.

Punjabi

1. ਸਾਹਿਤਕ ਕਿਰਨਾਂ -ਕਾਵਿ-ਰਚਨਾਵਾਂ -ਗਾਉੜੀ ਬੈਰਾਗਣਿ, ਰੁੱਖਾਂ ਬਾਝੋਂ ਧਰਤੀ ।

ਵਾਰਤਕ ਭਾਗ-ਨੰਬਰ ਵਨ ਦੀ ਰੇਸ, ਆਦਤਾਂ ।

2. ਸਾਹਿਤਕ ਰੰਗ-ਕਹਾਣੀਆ-ਮੈਂ ਕਿਸੇ ਤੋਂ ਘੱਟ ਨਹੀਂ, ਈਅਰ ਫੇਨ ।

ਜੀਵਨੀ-ਬੀਬੀ ਭਾਨੀ ਜੀ

ਇਹਨਾਂ ਸਾਰਿਆਂ ਦੇ ਪ੍ਰਸ਼ਨ ਉੱਤਰ ਯਾਦ ਕਰਕੇ ਆਉਣਾ।

ਲੇਖ -ਬੇਰੁਜ਼ਗਾਰੀ, ਪੰਜਾਬ ਦੇ ਲੋਕ ਗੀਤ, ਕਿਸੇ ਇਤਿਹਾਸਕ ਸਥਾਨ ਦੀ ਯਾਤਰਾ ।

ਪੱਤਰ -ਪੁਸਤਕ ਵਿਕਰੇਤਾ ਨੂੰ ਕੁਝ ਪੁਸਤਕਾਂ ਭੇਜਣ ਲਈ ਪੱਤਰ ਲਿਖੋ , ਸਮਾਜ ਵਿੱਚ ਵੱਧਦੀ ਅਸੁਰੱਖਿਆ ਸੰਬੰਧੀ ਕਿਸੇ ਅਖਬਾਰ ਦੇ ਸੰਪਾਦਕ ਨੂੰ ਪੱਤਰ ਲਿਖੋ।

ਵਿਆਕਰਣ -ਮੁਹਾਵਰੇ (ਕ ਤੋਂ ਝ ਤੱਕ), 10 ਸਮਾਸੀ ਸ਼ਬਦ, 10 ਅਗੇਤਰ-ਪਿਛੇਤਰ, 10 ਬਹੁਅਰਥਕ ਸ਼ਬਦ,

ਵਿਸਰਾਮ ਚਿੰਨ੍ਹ ਕਾਪੀ ਉੱਤੇ ਲਿਖੋ ਅਤੇ ਯਾਦ ਕਰੋ।

Music

Prepare one big size charts for music room.

Write any one of the topic with picture:

1. Any prayer.
2. Patriotic song.
3. Bhajan/shabad.
4. Alankars.
5. Folk dance of any state.
6. National Anthm.
7. National song.

Prepare one solo song or solo dance of any type.

(music copy)

1. write any one singer's or dancer's life history.
2. Two festival song of any state.
3. Two folk song of any state.
4. Two patriotic song.
5. Tow bhajan.
6. Two community song.

Art/Craft

Craft work- Glass painting,

Art Work-village scene, poster on save girl child.