

(Please use sheets to answer the questions and attach with questions before submission. Last date of submission: 11/07/2016)

Summer Holiday Assignment Class: X Sub: English

- QNo 1. How were the two boys useful to the author?(In about 50 words)
- QNo 2. Appearances are deceptive. Discuss with referene to the two boys, Nicola and Jacopo in about 60 words.
- QNo 3. How does the story "Two Gentlemen of Verona" promise hope for society?
- QNo 4. Who was Lucia? How did she become ill and was admitted in the hospital?
- QNo 5. Who started resistance movement and what was its aim?
- QNo 6. Why did Nicola and Jacopo not wet to tell their past familiar story to the narrator?
- QNo 7. Which attitude of the two boys attracted the narrator very much?
- QNo 8. Why did Mrs. Packletide decide to kill the tiger?
- QNo 9. Who was Miss Mebbin? how did she cheat Mrs. Packletide?
- QNo 10. What arrangements were doe to kill the tiger?
- QNo 11. Mrs. Packletide was a good shot. Discuss.
- QNo 12. How did Miss Mebbin get a great advantage in shooting the tiger's plan?
- QNo 13. What things did Mrs. Packle tide want to give Loona Bimberton after killing the tiger?
- QNo 14. how was the frog almighty for Binle Bog?
- QNo 15. Who decreased the reputation of the frog and how?
- QNo 16. How did the nightingale come in the boasting of the frog?
- QNo 17. How did the frog earn a lot of money from the nightingale?
- QNo 18. Who were the animals that came to listen the nightingale and how did they react after listening her song?
- QNo 19. How did the frog become the reason of the nightingale's death?
- QNo 20. What do you learn by the Poem "The from and the nightingale"?
- QNo 21. How does Helen feel while writing the story of her life?
- QNo 22. How was Helen Named?
- QNo 23. What calamity befell Helen?
- QNo 24. Name Helen's two companions and Helen's attitude towards them.
- QNo 25. How can you say that Helen was very naughty in her childhood days?

Summer Holiday Assignment Class: X Sub: Math

- Q.1. If $(a-b)x+(a+b)y=a^2-2ab-b^2$, $(a+b)(x+y)=a^2+b^2$ Solve by elimination method..
- Q.2. Solve the system of equations $2x+3y=17$, $3x-2y=6$ by the method of cross multiplication.
- Q.3. Seven times a two digit number is equal to four times the number obtained by reversing the order of its digits. If the difference between the digits is 3, find the number.
- Q.4. find all the zeros of the polynomial $(2x^4-4x^3-2x^2-20x-15)$ if two of its zeros are $\sqrt{5}$ and $\sqrt{-5}$.
- Q.5. Prove that $(\sqrt{2}+\sqrt{3})$ is irrational.
- Q.6. Using Euclid's Division lemma, show that the cube of any positive integer is of the form $9q$ or $(9q+1)$ or $(9q+8)$ for some integer q .
- Q.7. 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 .
- Q.8. Prove that $\frac{1-\tan^2\theta}{\cot^2\theta-1}=\tan^2\theta$.
- Q.9. Prove that $\frac{1-\sin\theta}{1+\sin\theta}=(\sec\theta-\tan\theta)^2$.
- Q. 10 Prove that $\frac{\tan\theta}{(\sec\theta+1)}+\frac{\tan\theta}{(\sec\theta-1)}=2\operatorname{cosec}\theta$
- Q.11 Prove that. $\frac{1+\cos\theta-\sin^2\theta}{\sin\theta(1+\cos\theta)}=\cot\theta$
- Q.12 Prove that. $\sin^6\theta+\cos^6\theta=1-3\sin^2\theta\cos^2\theta$.
- Q.13 Prove that. $\frac{(\sin A-\sin B)}{(\cos A+\cot B)}+\frac{(\cos A-\cos B)}{\sin A+\sin B}=0$
- Q.14 Prove that. $\frac{\cos\theta \operatorname{cosec}\theta-\sin\theta \sec\theta}{\cos\theta+\sin\theta}=\operatorname{cosec}\theta-\sec\theta$
- Q.15. Prove that. $\frac{\operatorname{cosec}\theta+\cot\theta}{\operatorname{cosec}\theta-\cot\theta}=(\operatorname{cosec}\theta+\cot\theta)^2$
- Q.16. If the mean of a data is 27 and its median is 33. Then find its mode.
- Q.17. If the mean and mode of a frequency distribution be 53.4 and 55.2 respectively, find the median.
- Q.18. Prove that $\frac{1}{\sqrt{3}}$ is irrational.
- Q.19. Find the zeros of the quadratic polynomial (x^2-5) and verify the relation between the zeros and the coefficients.

Q.20. Find a cubic polynomial whose zeros are 3, $\frac{1}{2}$ and -1.

Q.21. Solve for x and y:

$$ax+by-a+b=0, bx-ay-a-b=0$$

Q.22. Solve the following system of linear equations:

$$2(ax-by)+(a+4b)=0, 2(bx+ay)+(b-4a)=0$$

Q.23. If $x=a\cos \theta$ and $y=b\sin \theta$, then $(b^2x^2+a^2y^2)=?$

Q.24. Prove that $\tan 1^\circ \tan 2^\circ \tan 3^\circ \dots \dots \dots \tan 89^\circ = 1$

Q.25. By what number should 1365 be divided to get 31 as quotient and 32 as remainder?

Summer Holiday Assignment Class: X Sub: Science

- QNo 1. Draw a circuit diagram and label ammeter and voltmeter.
- QNo 2. Prove that $R=R_1+R_2+R_3+R_4$
- QNo 3. Prove that $1/R=1/R_1+1/R_2+1/R_3$
- QNo 4. Prove that $H=I^2 \times R \times T$.
- QNo 5. Draw the symbol of 10 electrical appliances.
- QNo 6. Draw the diagram of electric bulb and explain its working.
- QNo 7. What do you mean by electrical potential and potential differences
- QNo 8. Draw the site of photosynthesis.
- QNo 9. Describe the process of exchange gases in lungs and tissue.
- QNo 10. Explain the usefulness of the large surface area provided by alveoli for respiration in human beings.
- QNo 11. Describe the mechanism by which breathing occurs in human beings including inspiration and expiration.
- QNo 12. Starting from the nasal cavity, describe the path of air from its entrance in the nasal cavity to its utilization in the air sacs.
- QNo 13. Describe the steps of respiration.
- QNo 14. Draw the digestive tract and describe the process of digestion in each part.
- QNo 15. Name the digestive glands helping indigestion. Describe each and its working.
- QNo 16. Explain the conduction of water in dicot plants.
- QNo 17. Describe the structural composition of human blood stating the general shape and function of blood cells.
- QNo 18. Explain the structure of human heart.
- QNo 19. Compare arteries, capillaries and veins.
- QNo 20. Write the characteristics of chemical reaction?
- QNo 21. What information do we get from a chemical reaction? Why is it important to balance equation?
- QNo 22. How many types of chemical reactions are there? Explain each of them with examples.
- QNo 23. Define acids how many types of acids are there. What is neutralization reaction?
- QNo 24. What is PH scale?
- QNo 25. Define bases? Write the properties of bases.

Summer Holiday Assignment Class: X Sub: SST

- QNo 1. Summarise the attributes of a nation, as Renon understand them?
- QNo 2. How is 1848 important in Europe?
- QNo 3. What did liberal nationalism stand for?
- QNo 4. Describe the political ends that list hopes to achieve through economic measures?
- QNo 5. Define the term "conservatism"?
- QNo 6. Plot on a map of Europe the changes drawn up by the Vienna congress.
- QNo 7. Describe the cause of the Silesian weavers uprising.
- QNo 8. Write a note on "Frankfurt parliament".
- QNo 9. What are the different forms of power sharing in modern democracies? Given an example of each of these.
- QNo 10. Why power sharing is desirable?
- QNo 11. Write the two different condition of power sharing between two countries, Belgium and Srilanka.
- QNo 12. What was the condition of Dutch community in Srilanka during 1948?
- QNo 13. Imagine if the oil supply gets exhausted one day, how would this affect our life style?
- QNo 14. Write the features of laterite soil.
- QNo 15. What are soil erosion and soil conservation?
- QNo 16. Show out the classification of resources by a diagram.
- QNo 17. What are the biotic and biotic resources? Give some examples.
- QNo 18. what steps can be taken to control soil erosion in the hilly areas?
- QNo 19. Show out water land condition of India in 200 by a diagram.
- QNo 20. Make a project showing consumption and conservation of resources in your locality.
- QNo 21. Show out per capita Income of Punjab, Kerala, and Bihar during 200-2003 by a table.
- QNo 22. What is the term IMR?
- QNo 23. Money in your pocket can not buy all the goods and services that you may need to live well. How?
- QNo 24. Give three examples where an average is used for comparing situations.
- QNo 25. Write a paragraph o your notion of what should India do, or achieve to become a developed country.

Summer Holiday Assignment Class: X Sub: Hindi

Summer Holiday Assignment Class: X Sub: Hindi

1. अपने मित्र के पास एक पत्र लिखें जिसमें ग्रीष्म व काश किसी ऐतिहासिक स्थल पर बिताने का आमंत्रण हो।
2. वर्ग दशम् के सभी क्रिकेट छात्र खिलाड़ियों को एक सूचना लिखें जिसमें अगले दिन विद्यालय कोमन रूम में जमा होने से संबंधित ताकि क्रिकेट टीम का सेलेक्शन हो सके।
3. उपसर्ग तथा प्रत्यय से क्या समझते हैं? उदाहरण सहित समझाइए।
4. अलंकार किसे कहते हैं? अलंकार के भेदों को उदाहरण सहित समझावें।
5. निम्नलिखित पर 200 शब्दों में निबंध लिखें:—
 - क. गरीबी
 - ख. आपका प्रिय खेल अथवा प्रिय नेता
6. भारत एक धर्म निर्पेक्ष राष्ट्र है फिर भी "असहिष्णुता" जैसे शब्दों का प्रयोग हो रहा है, हाल ही में फिल्म स्टार साहरुक खान जैसे लोग इसके लपेट में आए। आप इस पर अपना विचार व्यक्त करें।
7. प्रायः आतंकवाद को धर्म से जोड़ कर देखा जाता है, क्या धर्म आतंकवाद का मूल कारण है? अपना विचार व्यक्त करें।
8. रात का 3 पर्यायवाची शब्द लिखो।
9. धरती का 3 पर्यायवाची शब्द लिखो।
10. आसमान का 3 पर्यायवाची शब्द लिखो।
11. पहाड़ का 3 पर्यायवाची शब्द लिखो।
12. अमृत का 3 पर्यायवाची शब्द लिखो।
13. कान देना मुहावरा का अर्थ बताओ।
14. आँख लाल पीली करना मुहावरा का अर्थ बताओ।
15. पीठ दिखाना मुहावरा का अर्थ बताओ।
16. कमर टूटना मुहावरा का अर्थ बताओ।
17. चोर के दाढ़ी में तिनका मुहावरा का अर्थ बताओ।
18. अघजल गगरी छलकत जात मुहावरा का अर्थ बताओ।
19. जो सब कुछ जानता है उसे कहते हैं।
20. जो आगे जन्मा हो उसे कहते हैं।
21. जो कुछ नहीं जानता हो उसे कहते हैं।
22. इतिहास को जानने वाला को कहते हैं।
23. पंक में जन्मा हुआ को कहते हैं।
24. राजा का विलोम शब्द होता है।
25. राक्षस का विलोम शब्द होता है।

Summer Holiday Assignment Class: X Sub: Urdu

classmate
 Date _____
 Page _____

اردو درسیں - ۱۰
 URDU X

سوال ۱: سنا عرنے بیل، لوٹوں کر مٹی سے اگایا پوکوں کہا ہے؟

سوال ۲: سوزج کو چھتہ کیوں کہا گیا ہے؟

سوال ۳: چڑیاں خدا کی تسبیح کیسے کرتی ہے؟

سوال ۴: مندرجہ ذیل الفاظ کے واحد بنائیے
 ہاتھوں، جوتیاں، خالص، سوالات، جنگلات، منازل، نشانات۔

سوال ۵: رمضان المبارک - یا عبد القدر کے عنوان پر ایک مضمون لکھیے

سوال ۶: اپنے والد صاحب کے نام سے ایک خط لکھیے جس میں امتحان میں کامیابی کا ذکر ہو۔

سوال ۷: محرم - یا عبد اللہ صغیر کے عنوان پر ایک مضمون لکھیے جو کم سے کم دو سو الفاظ پر مشتمل ہو۔

سوال ۸: مندرجہ ذیل الفاظ کے معانی لکھیے
 عدل پرستی، تمبر، باللا، عرق کرنا، حسد پرستی، شمشیر، سناں، مان۔

سوال ۹: نیچے لکھے ہوئے محاوروں کو معنی بتائیے
 جیسی کرنی ویسی بھرنی، بول بالا ہونا، بار اترنا، مان رکھنا، اپنے باؤں کو چڑھانا

سوال ۱۰: مندرجہ ذیل الفاظ کے مترادف لکھیے
 بہادر، دشمن، دکھ، قہر، محبت۔

سوال ۱۱: پیر نسیم صاحبہ کے نام سے ایک درخواست لکھیے جس میں اسکول کا فیس معاف کرنا اور کچھ
 مندرجہ امور شہاد کی تشریح کیجئے۔

سوال ۱۲: نازی اس کے لب کی کیا کہیے۔ منہ نیکوئی ایک گلاب کی سی ہے

سوال ۱۳: بار بار اس کے در پر جانا ہوں۔۔۔ حالت اب اغضاب کی سی ہے۔
 آپ جانتے ہیں کہ کس چیز آدمی یا جانور کے نام کو اسم کہا جاتا ہے ان کی فہرست بنائیے

سوال ۱۴: ہستی، جناب، نمائش، شراب، لب، نیکوئی، گلاب، در، خانہ خراب، میر، ٹونگیوں، شراب۔