



BCM School

Sector 32- A Chd.Road
Ludhiana.

Affiliated to CBSE Affiliation No.CBSE/Af/1630149

www.bcmschools.org

Dear students

Keep following points in mind before you set out for your holidays' homework.

- ❖ Holidys' homework should be done in a legible and beautiful hadwriting.
- ❖ Remember well-presented home-work always fetches you marks and appreciation of your teachers and classmates.
- ❖ To make practice your regular habit,keep in touch with studies.

HOLIDAYS HOMEWORK **CLASS -X**

1) ENGLISH

1.To lessen the burden of forthcoming exams by making practice your regular habit , go through exercises of Practice Periodic Test (PPT)1 and 2 i. e pages 489 to 496 given in BBC .Solve Reading Section and Grammar Exercises in the book itself and write answers of Writing Section and Literature Section in a separate notebook.

2.Explain any five literary devices with definition and two examples each from the poems done in the class.

2) SCIENCE

Physics

- Prepare a scrap book covering the image formation by spherical mirror and lenses. Diagrams should be labelled and different colours may be used for incident and refracted ray.
- Prepare an investigatory report on atmospheric refraction. Report should include various phenomena related with atmospheric refraction and colour illustrations.

Chemistry

- Write 20 skeletal chemical equation and balance them.

Biology

- 1) Draw diagrams of important topics of chapter- Life processes
- 2)Solve intext and exercise question discussed in chapter life process.
- 3)List hormones and effects of their hyper and hypo secretion in human beings

3) MATHEMATICS

1. Using Euclid's division algorithm, find the largest number that divides 1251, 9377 and 15628 leaving remainders 1, 2 and 3, respectively
2. For which values of p and q, will the following pair of linear equations have infinitely many solutions? $4x + 5y = 2$; $(2p + 7q)x + (p + 8q)y = 2q - p + 1$.
3. It can take 12 hours to fill a swimming pool using two pipes. If the pipe of larger diameter is used for 4 hours and the pipe of smaller diameter for 9 hours, only half the pool can be filled. How long would it take for each pipe to fill the pool separately?
4. A train travels at a certain average speed for a distance of 63 km and then travels a distance of 72 km at an average speed of 6 km/h more than its original speed. If it takes 3 hours to complete the total journey, what is its original average speed?
5. A natural number, when increased by 12, equals 160 times its reciprocal. Find the number.
6. Find the value of the middle most term (s) of the AP : -11, -7, -3, ..., 49.
7. The sum of the first three terms of an AP is 33. If the product of the first and the third term exceeds the second term by 29, find the AP
8. Determine k so that $k^2 + 4k + 8$, $2k^2 + 3k + 6$, $3k^2 + 4k + 4$ are three consecutive terms of an AP.
9. The sum of four consecutive numbers in an AP is 32 and the ratio of the product of the first and the last terms to the product of the two middle terms is 7 : 15. Find the numbers.
10. If P $(9a - 2, -b)$ divides line segment joining A $(3a + 1, -3)$ and B $(8a, 5)$ in the ratio 3 : 1, find the values of a and b.
11. Find the values of k if the points A $(k + 1, 2k)$, B $(3k, 2k + 3)$ and C $(5k - 1, 5k)$ are collinear.
12. If the points A $(1, -2)$, B $(2, 3)$ C $(a, 2)$ and D $(-4, -3)$ form a parallelogram, find the value of a and height of the parallelogram taking AB as base.
13. On a morning walk, three persons step 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
14. For any positive integer n, prove that $n^3 - n$ is divisible by 6.
15. α and β are zeroes of $2x^2 + x - 5$ find $\alpha^2 + \beta^2$ ii) $\alpha^2 / \beta + \beta^2 / \alpha$
16. Draw the graphs of the pair of linear equations $x - y + 2 = 0$ and $4x - y - 4 = 0$. Calculate the area of the triangle formed by the lines so drawn and the x-axis.
17. Jamila sold a table and a chair for Rs 1050, thereby making a profit of 10% on the table and 25% on the chair. If she had taken a profit of 25% on the table and 10% on the chair she would have got Rs 1065. Find the cost price of each.

18. At t minutes past 2 pm, the time needed by the minutes hand of a clock to show 3 pm was found to be 3 minutes less than $\frac{t^2}{4}$ minutes. Find t
19. Find the ratio in which the line $2x + 3y - 5 = 0$ divides the line segment joining the points $(8, -9)$ and $(2, 1)$. Also find the coordinates of the point of division.
20. Find the sum of first seven numbers which are multiples of 2 as well as of 9.

4) SOCIAL STUDIES

Prepare a Project Report on consumer rights and consumer movement in India

Contents:

1. Who is consumers?
2. Malpractices in the market place
3. Need for protecting the consumers
4. Consumer movement
5. Way to protect consumers
 - . consumer forum
 - . consumer protection act, 1986
 - . Three-Tier Quasi judicial system
6. Problem with consumer movement
7. Consumer Rights (6 Rights)
8. How can the consumer be protected to market place.
Prepare this project of pages 10-15 and make it attractive by pasting pictures.

Be a SANTA for Someone

We all love Santa Claus not for religious beliefs but because HE makes people feel loved .He brings happiness on every face. During this summer vacation to inculcate a feeling of community service we edify our students to do any of the following community services and prepare a report of at least 6 to 8 pages and paste photographs of being involved in the service to humanity.

1. Visit to old age home and talk to the elderly people there .Listen to the life experiences of old people you meet there. Pen down the real life skills you learned from them. Organize their room, and things. Play some games with them and make them happy. Gift them your hand made card or any other article. Catch your memories in photographs.

2. Visit to some Orphanage .Donate your some old clothes and soft toys. Spend a day with the children there. Play some game with them. Help these children to learn ,read and write(Hindi /English/ Punjabi) alphabet and simple words .Gift them your handmade cards or other article. Catch your memories in photographs.

3. Go for a walk with your Grand Parents/ elderly persons in your neighbourhood/ meet elderly persons in the nearby park. Talk to them about their life experiences and pen down the real life skill you learned from them. Play some games with them. Bring smile on their face. Gift your hand made card or any other article. Catch your memories in photographs.

Goodness is rewarded

5) PUNJABI

1. 15ਜੂਨ ਤੋਂ 30ਜੂਨ ਤੱਕ ਦੀਆਂ ਖਬਰਾਂ ਲਿਖੋ ਅਤੇ ਚਿੱਤਰ ਵੀ ਲੱਗਾਓ।
2. ਕੋਈ ਇੱਕ ਕਵਿਤਾ ਅਤੇ ਇੱਕ ਸ਼ਬਦ ਲਿਖ ਕੇ ਯਾਦ ਕਰਨਾ।
3. ਜੁਲਾਈ ਪ੍ਰਿਓਡਿਕ ਟੈਸਟ ਦਾ ਸਿਲੇਬਸ ਯਾਦ ਕਰਨਾ ।

6) HINDI

1. कोई पांच विज्ञापन तैयार करें (विषय का चयन स्वयं करें)
2. नवयुग हिन्दी व्याकरण में दिए गए अभ्यास प्रश्न पत्र 1 से 7 तक हल करें ।
पृष्ठ संख्या – 190 से 193 ।
3. 11 जुलाई को होने वाले प्रथम Periodic test का पाठ्यक्रम — (नेताजी का चश्मा ,बाल गोबिन भगत, सूरदास, माता का अंचल,वाक्य विचार, वाच्य, पत्र एवं विज्ञापन)याद किया जाए।

BCM
ज्ञान • स्वाभिमान • कल्याण