HOLIDAYS HOME WORK

CLASS – X

PUNJABI

- ਜੁਲਾਈ ਪਰੀਖਿਆ ਲਈ ਦਿੱਤਾ ਗਿਆ ਪਾਠਕ੍ਰਮ ਯਾਦ ਕਰੋ।
- ਵਿਆਕਰਨ ਪੁਸਤਕ ਵਿੱਚ ਦਿੱਤੇ ਹੋਏ ਅਣਡਿੱਠੇ ਪੈਰ੍ਹਿਆਂ ਅਤੇ ਅਣਡਿੱਠੀਆਂ ਕਾਵਿ-ਟੁਕੜੀਆਂ ਦਾ ਅਭਿਆਸ ਕਰੋ।
- ਸਿਰਜਨਾਤਮਕ ਗਤੀਵਿਧੀ : ਪੰਜਾਬੀ ਸੱਭਿਆਚਾਰ ਨਾਲ਼ ਸੰਬੰਧਿਤ ਕਿਸੇ ਵੀ ਵਸਤੂ ਦਾ ਨਮੂਨਾ (model) ਬਣਾਓ :
  ਜਿਵੇਂ ਮਿੱਟੀ, ਗੱਤੇ, ਲੱਕੜ, ਪੁਰਾਣੇ ਕੱਪੜਿਆਂ ਜਾਂ ਨਾ-ਵਰਤੋਂਯੋਗ ਸਮਾਨ ਤੋਂ ਕੱਚਾ ਘਰ, ਪੁਰਾਣੀ ਪੰਜਾਬੀ ਰਸੋਈ,ਰਸੋਈ ਦਾ ਸਮਾਨ, ਤ੍ਰਿੰਞਣ, ਚਰਖੇ, ਚਾਟੀ-ਮਧਾਣੀ, ਚੱਕੀ, ਪੁਰਾਤਨ ਗਹਿਣੇ, ਪੰਜਾਬੀ ਪਹਿਰਾਵਾ, ਖੇਤਾਂ ਦੇ ਸੰਦ,ਖੂਹ, ਪੰਜਾਬੀ ਢਾਬਾ ਆਦਿ ਬਣਾਓ।
- ਚਿੱਤਰ ਵਰਣਨ : ਹੇਠ ਦਿੱਤੇ ਵਿਸ਼ਿਆਂ ਦੇ ਅਧਾਰ 'ਤੇ ਪੰਜਾਬੀ ਦੀ ਕਾਪੀ ਵਿੱਚ ਤਸਵੀਰਾਂ ਬਣਾ ਕੇ ਜਾਂ ਚਿਪਕਾ ਕੇ , ਹਰ ਵਿਸ਼ੇ ਦੇ ਅਧਾਰ ,ਤੇ 50-60 ਸ਼ਬਦਾਂ ਵਿੱਚ ਵਰਣਨ ਕਰੋ:
  1. ਸ਼ੋਸ਼ਲ ਮੀਡੀਆ
  2. ਆਨ ਲਾਈਨ ਸ਼ਾਪਿੰਗ
  3. ਡਿਜ਼ੀਟਲ ਇੰਡੀਆ
  4. ਯੋਗ ਰੱਖੇ, ਨਿਰੋਗ
  5. ਵਾਤਾਵਰਨ ਦੀ ਸੁਰੱਖਿਆ
  6. ਅਨੁਸ਼ਾਸ਼ਨ
  7. ਸ਼ਵੇਰ ਦੀ ਸਭਾ ਦਾ ਦ੍ਰਿਸ਼
  8. ਕਿਸੇ ਮੇਲੇ ਦਾ ਦ੍ਰਿਸ਼
  9. ਖੇਡ ਦੇ ਮੈਦਾਨ ਦਾ ਦ੍ਰਿਸ਼
  10. ਆਵਾਜਾਈ ਸੁਰੱਖਿਆ ਦਾ ਦ੍ਰਿਸ਼

HINDI

1. लघु कथा लेखन :- वीर बालक , संगति का फल , मधुर वचन है औषधि , श्रेषठ पुरुष , भारत और मैं

2. सूचना पत्र

(i) आप अपने क्षेत्र के निवासी कल्याण संघ के सचिव हैं। अपने क्षेत्र में लगने वाले रक्तदान शिविर की जानकारी देते हुए एक सूचना तैयार कीजिए।

(ii) बाल दिवस समारोह के अवसर पर विद्यालय में आयोजित होने वाले सांस्कृतिक कार्यक्रम के विवरण सहित सूचना तैयार कीजिए।

(iii) स्वच्छता अभियान के अंतर्गत स्वच्छता पखवाड़ा कार्यक्रमों में भाग लेने के इच्छुक लोगों के लिए एक सूचना तैयार कीजिए।

(iv) निःशुल्क स्वास्थ्य जांच शिविर का आयोजन किया जा रहा है। सोसायटी सचिव की ओर से इस जानकारी को लोगों तक पहुंचाने के लिए सूचना तैयार करें।

3. वाक्य रचना के आधार पर 20-20 लिखकर लाए

4.अपठित गद्यांश कोई 10 solve करके लिखें।

5. पाठ्य पुस्तक : बड़े भाई साहब , डायरी का एक पन्ना , ततॉंरा वामीरो की कथा , कबीर , मीरा बाई , मनुष्यता

gfjgj dkdk, सपनों के से दिन

प्रश्न उत्तर Internal कॉपी पर लिखकर लाएंगे। प्रत्येक पाठ में से दो-दो पाठित गद्यांश solve करके लाएंगे।

6. मुहावरे :- सारे Grammar में से मुहावरे याद करेंगे।

7.विज्ञापन कोई किसी दस विषयों पर विज्ञापन करेंगे।

SOCIAL STUDIES

Project report on any one topic

(i) Sustainable development
or
Social issue
or
Consumer right

And revision of syllabus of july test

ENGLISH

1. Revise whole syllabus of Periodic Test-I to be held in July soon after your summer vacation
2. Write a script on the theme 'Honesty' with atleast five scenes taking the inspiration from the chapter-2 'A Thief's Story'

Note— Give your script, a suitable Title.
It should convey a message, creativity.
Keep your script in an aesthetic folder.

3. solve the assignments of English which will be sent in the class group by the teacher.

MATHS

Revise Ch1 - Real Numbers

Ch2- Polynomials

Ch3- Pair of linear equations in two variables

Ch4- Quadratic equations

Ch- probability

*Write Activity 1 to 12 in Practical file

*Make a project on comparing spacial and geographical features of Punjab and Andhra Pradesh .

MATHEMATICS ASSIGNMENT – CLASS X

Q1. A contest organizer is creating a series of challenges where the contestants have to unlock a series of locks by guessing the correct number sequence. The first lock opens with a remainder of 5 when the number is divided by 15, the second lock with a remainder of 15 when the number is divided by 25, and the third lock with a remainder of 25 when the number is divided by 35. The organizer is looking for the smallest number that could be the master key for all locks.
(a) 515 (b) 525 (c) 1040 (d) 1050

Q2. √n is a natural number such that n > 1. Which of these can definitely be expressed as a product of primes?
(a) only (ii)
(b) only (i) and (ii)

(c) all-(i), (ii) and (iii)
(d) cannot be determined without n

Q3. $7 \times 11 \times 13 + 13$ is a:
(a) composite number
(b) prime number
(c) both (a) and (b)
(d) none

Q4. HCF of two numbers is 16 and their product is 1536. Their LCM is:
(a) 85 (b) 90 (c) 92 (d) 96

Q5. There are 576 boys and 448 girls in a school that are to be divided into equal sections. The total number of sections formed are:
(a) 22 (b) 16 (c) 36 (d) 21

Q6. If $a = x^3y^2$ and $b = xy^3$, then LCM(a,b) is:
(a) xy
(b) xy^2
(c) x^3y^3
(d) x^2y^2

Q7. The HCF of k and 93 is 31. Which of these can be true?
(a) only (ii) and (iii)
(b) only (i), (ii) and (iii)
(c) only (i), (iii) and (iv)
(d) all-(i), (ii), (iii) and (iv)

Q8. An architect is designing a square plaza using tiles of 16, 20 and 24 units. Find the smallest possible square area.
(a) 240
(b) 1600
(c) 2400
(d) 3600

Q9. Find the largest number by which the product of three consecutive numbers starting with an even number is always divisible.
(a) 6
(b) 8
(c) 12
(d) 24

Q10. How many zero(s) does $(x - 2)(x + 3)$ have?
(a) zero
(b) one
(c) two
(d) three

Q11. A graph of polynomial h(x) is given. On dividing h(x) by which factor will the remainder be zero?

Q12. Assertion (A): Product of HCF and LCM of three numbers equals the product of the numbers.
Reason (R): Product of HCF and LCM of two numbers equals the product of the numbers.

Q13. Assertion (A): The graph y = f(x) has 4 zeros.
Reason (R): Number of zeros of a polynomial is the number of points where its graph cuts or touches x-axis.

Q14. Find the pair of natural numbers whose LCM is 78 and HCF is 13.

Q15. Find prime factors of 7650 using factor tree.

Q16. Find the HCF and LCM of 40, 36 and 126 using prime factorisation.

Q17. If p and q are zeros of $2x^2 – 7x + 3$, find $p^2 + q^2$.

Q18. If α and β are zeros of $3x^2 – 5x – 2$, evaluate $(\alpha^2/\beta) + (\beta^2/\alpha)$.

Q19. If m and n are zeros of $3x^2 + 11x – 4$, find $(m/n) + (n/m)$.

Q20. Solve: $7x – 2y = 5$ and $8x + 7y = 15$. Verify the answer.

Q21. Find c if $cx + 3y + (3 – c) = 0$ and $12x + cy – c = 0$ have infinitely many solutions.

Q22. If we add 1 to numerator and subtract 1 from denominator, a fraction becomes 1. If only 1 is added to denominator, it becomes 1/2. Find the fraction.

Q23. If $3x + 7y = –1$ and $4y – 5x + 14 = 0$, find:
(i) $3x – 8y$
(ii) $y/x – 1$

Q24. Prove that $5 + 6\sqrt{7}$ is irrational.

Q25. Show that 12^n cannot end with the digit 0 for any natural number n.

Q26. Find which pairs are co-prime:
(i) 231, 396
(ii) 847, 2160

Q27. If α and β are zeros of $x^2 – px + q$, prove:
$(\alpha^2/\beta^2) + (\beta^2/\alpha^2) = p^4/q^2 – 4p^2/q + 2$

Q28. Find the zeros of $x^2 + (1/6)x – 2$ and verify the relation between coefficients and zeros.

Q29. If α and β are zeros of $f(t)= t^2 – p(t + 1) – c$, prove that $(\alpha + 1)(\beta + 1)=1 – c$.

Q30. Solve graphically:
$3x + 2y – 4 = 0$
$2x – 3y – 7 = 0$
Also shade the region between the lines and x-axis.

Q31. The sum of numerator and denominator of a fraction is 3 less than twice the denominator. If both are decreased by 1, the fraction becomes 1/2. Find the fraction.

Q32. The sum of a two-digit number and the number formed by reversing its digits is 110. If 10 is subtracted from the original number, the new number is 4 more than 5 times the sum of digits. Find the original number.

Q33. In pentagon ABCDE, AB = 6 cm, AE = 6 cm, BE = 7 cm, BC = x – y and CD = x + y. If perimeter is 29 cm, find x and y.

Q34. A test consists of True/False questions. One mark is awarded for correct answers and 1/4 mark deducted for wrong answers. A student answered 150 questions and got 120 marks. If all guessed answers were wrong, how many were correct?

Q35. The speed of a motor boat is 20 km/h. For covering 15 km, the boat took 1 hour more upstream than downstream.

(i) Find speed of current.
(ii) Find upstream speed.
(iii) Write the quadratic equation for speed of current.

Q36. Raj's car travels at x km/h while Ajay's car travels 5 km/h faster. Raj took 4 hours more than Ajay to travel 400 km.
(i) Find Raj's speed.
(ii) Time taken if Raj's speed is 40 km/h.
(iii) Write quadratic equation for Raj's speed.

Q37.A bag contains 5 red balls, 7 blue balls and 8 green balls. One ball is drawn at random. Find the probability that the ball drawn is:

(i) red

(ii) blue

(iii) not green

Q38.A card is drawn at random from a well-shuffled deck of 52 playing cards. Find the probability of getting:

(i) a king

(ii) a red card

(iii) a face card

Q39.A die is thrown once. Find the probability of getting:

(i) an even number

(ii) a number greater than 4

(iii) a prime number

Q40.Two coins are tossed simultaneously. Find the probability of getting:

(i) two heads

(ii) one head and one tail

(iii) at least one head

SCIENCE

- Make a Project File on Art Integrated of Punjab and Pairing state (Andra Pradesh)
- Make a Practical Files (science)
- Revise chapters and do practice.