English

1. You are Suresh Rawat, the school counselor of Sunshine Public School, Agra. A workshop on Good Parenting is being organized in the school for parents. Children should be asked to bring consent slips from their parents promptly. Write the notice in about 50 words for your school notice board.

2. You are Krishna / Tisha, Secretary Greenland Enterprises Ltd. Delhi. Your Chairman has asked you to draft an advertisement for a local daily under the classified columns for the vacant posts of one accountant and two office assistants. Draft an advertisement in not more than 50 words.

3. Some people fear there is going to be acute water shortage, especially of clean water, in times to come. Do you agree? Support your views with reasons. What do you think should be done to avoid such a crisis? Present your views in the form of an article of about 150-200 words for your school magazine.

4. After passing the secondary school examination, a candidate has to make a very difficult choice from a number of streams available to him for further study at the senior school level. There is no valid mechanism to assess the suitability of a candidate for a particular stream. Write a letter to the Editor of a national daily emphasizing the need of educational counselors for guidance in this matter in each school. You are Vinita/ Vinay of 48, Agra Fort, Agra.

5. Answer the following questions in about 150 words each:

   (i) " The author and his grandmother shared a deep bond of mutual love, trust and friendship" . Discuss their relationship in view of this statement.

   (ii) What views on life after death did the ancient Egyptians have? How does Tut's tomb bring out the futility of any such beliefs?

   (iii) The society in the story " The Summer Of The Beautiful White Horse" runs successfully on the two fundamental values of trust and truth? Do you agree? Why/ why not? How important are these values to you?

   (iv) Past whether good or bad is dead and gone. We must never worry about it. All we need to do is to make the best of the present moment. Discuss with reference to the story, "The Address" .

Holidays home work must be done in English Classwork Notebook

Mathematics:

Q1. In a survey of 200 students of a school ,It was found that 120 students study mathematics ,90 study physics and 70 study chemistry,40 study maths and physics,30 study physics and chemistry,50study maths and chemistry and 20 none of the subjects. Find number of students who study all the three subject and also. Find the number of students who study maths only.

Q2. In a town of 10000 families, it was found that 40% families buy newspaper A, 20% families buy newspaper B,10% families buy newspaper C,5% families buy A and B,3% buy B and C and 4% buy A and C. If 2% families buy all the three newspapers .Find the number of families which buy

1) A only 2)B only 3) none of A, B and C.

Q3.If n(U) = 50, n(A) =30 and n(B) =28 .Find

i) Greatest value of n (AU B) ii) least value of $n\,(A \cap B)$

Q4.For any two sets A, B, and C, using properties of sets prove following

1) A -(A-B) = A∩B 2) $(A{-}B) \cup (A{-}C) = A{-}(B \cap C)$

Q5) Find the Domain and Range of following function: 1) $x{-}32x{+}1$ 2) $\sqrt{x}{-}1$ 3) $\sqrt{x}2{-}4$

Q6) Solve the following system of inequalities graphically.

1) $x + 2y \leq 8$, $-y \leq 2$, $x > 0$, $y \geq 0$

2) $2x + y \leq 24$, $+y < 11$, $2x + 5y \leq 40$, $x > 0$, $y \geq 0$

Q7) Find the range of value of x which satisfy $-13 \leq x_2 - 43 < 16$. Graph these values on real number line.

Q8) If the roots of the equation a(b-c)x^2 +b (c-a)x +c(a-b) =0 are equal show that $\frac{1}{a}, \frac{1}{b}, \frac{1}{c}$ are in A P.

Q9) The product of three numbers in AP is 224 and the largest number is 7 times the smaller. Find the numbers.

Q10) The sum of n terms of three AP's are S_1, S_2 and S_3. The first term of each AP is unity and the common differences are 1, 2 and 3 respectively. Prove that $S_3 + S_1 = 2 S_2$

Q11) Draw the graphs of following real functions and hence find their range:

i) f(x) = 2x -1 ii) f(x) = $x^2 - 1x - 1$

Q12) Evaluate : i) $\Sigma(2+3k)_{11}^{k=1}$ ii) $\Sigma(3k - 2k)_n^{k=1}$

Q13) Find the sum of n terms of the sequence:

$(x + \frac{1}{x})^2, (x_2 + \frac{1}{x_2})^2, (x_3 + \frac{1}{x_3})^2, \ldots\ldots$

Q14) Prove that the sum to n terms of the series

11 + 103 + 1005 + 10007 + ... to n terms = $\frac{10}{9}(10^n - 1) + n^2$

Q15) if a , b , c, d are four distinct quantities in G.P. , then show that a + d > b + c .

Psychology

➢ Revise Chapters 1, 2 and 9.

- Prepare your own objective-type questions from each chapter, and answer them. (Minimum 25 questions from each chapter)
- Learn all the key terms.
- Write down answers for the review questions given at the end of each chapter.

➢ Organize structured interviews for three persons from three different generations. Discuss the effects of generation Gap.

- 2.1 Prepare a project file for the study.

POL.SCI

Project work

1. Judiciary:- Meaning, need of independent judiciary, composition of supreme and high court, jurisdiction, judicial review, court of record, PIL, any two cases, qualification and appointment of judges etc.(for boys)

2. Development:-meaning, different dimensions, goals, recent developments in the country.(for girls)

Answer the following questions:-

1. Under whose recommendations the constituent assembly was set up?

2. What is meant by Preamble?

3. Explain the importance of Fundamental Rights.

4. Describe the main shortcomings of the present Election System in India.

5. Explain the steps taken, so far, in respect of Election reform.

6. How is prime minister appointed? Discuss his powers and functions.

7. How does a bill become an act in the Indian Parliament?

PUNJABI

ਹੇਠਾਂ ਦਿੱਤੇ ਗਏ ਵਿਸ਼ਿਆਂ ਵਿੱਚੋਂ ਕਿਸੇ ਇੱਕ ਤੇ ਪ੍ਰਜੈਕਟ ਤਿਆਰ ਕਰੋ ।

ਪੁਸਤਕ ਸਮੀਖਿਆ, ਸਲੋਗਨ ਲੇਖਨ, ਪੇਂਡੂ ਤੇ ਸ਼ਹਿਰੀ ਜੀਵਨ, ਸਮਾਜਿਕ ਕੁਰੀਤੀਆਂ, ਮਾਂ ਬੋਲੀ, ਪੰਜਾਬੀ ਪਹਿਰਾਵਾ ਪੰਜਾਬੀ ਰਹਿਣ- ਸਹਿਣ, ਪੰਜਾਬੀ ਹਾਰ-

ਸ਼ਿੰਗਾਰ, ਵਿਰਾਸਤੀ ਖੇਡਾਂ ।

HINDI

परियोजनाकार्य : (परियोजना कार्य विषव संबंधित चित्र लगाकर तैयार किया जाए)

प्रथम इकाई परीक्षा का पाठ्यक्रम : नमक का दारोग़ा , मियाँ नसीरूद्दीन, कबीर, मीरा, संगीत की बेजोड गायिका लतामंगेशकर, फीचरलेखन, पत्र, अपठित गद्यांश —याद किया जाए।

तनाव कैसे दूर करें , शहरों का दमघोटू वातावरण, किसानों में बढ़ती आत्महत्या की प्रवृत्ति एवं बाल श्रमिक विषयों पर फ़ीचर तैयार किया जाए।

Fashion studies

- SHEET WORK
  - A) Make designs using dots.
  - B) Make designs using straight lines.
  - C) Make designs using curved lines.
- TEXTURES
  - A) Make 10 textures of natural things.
  - B) Make 10 textures of man-made things.
- LEARN UNIT – I
  - A) Notes
  - B) Back exercise
  - C) Key terms.

Physical Education:

Project:

*To be done on coloured A 4 sheets

*Maximum number of pages 15-20

1.Computation of BMI of any 10 people from family or neighbourhood and graphical representation of the data.

2.List of all current National Awardees (Dronacharya award, Arjuna award and Rajiv Gandhi Khel Ratna award.)

Practical file:

*To be done in physical education practical file

1. Athletics- Labelled diagram of 400m track and field with computation in detail.

2.Pictorial presentation along with explanation of procedure ,benefits of any five asanas for improving concentration.

3. Labelled diagram of field and equipment of Badminton with all the rules, terminologies and skills of the game.

HOMESCIENCE

- Application of traditional or contemporary techniques of home decoration on charts.
- Prepare a chart to create public awareness   and a chart related to home science.

FINE ARTS

Complete five paintings.

Computer Science:

Class XI : Revision of Unit 1 & Unit 2

Informatics Practices:

Class XI : Revision of Unit 1 & Unit 2
Music:
(1) What is the contribution of PT. Vishnu Narayan Bhatkande in the field of Indian Music?
(2) Brief study of the following:
Nada, Swar, Saptak, Taal, Lay, Raag
(3) Brief history of the following:
Dhrupad, Khayal
(4) Description of Raagas :
Raag Bihaag
Raag Jaunpuri
Alankars:- 1 to 10
(5) Write in taal notation: Ekgun, dugan of prescribed Taalas
Ek Taal, Dadra Taal