Yuvashakti Model School

shiksha aur sanskriti

RAMA VIHAR, DELHI - 110081

(Affiliated to CBSE and Recognised by Directorate of Education)

WINTER BREAK

Session :- (2025-26)

Class- XI

(हिन्दी)

क) एक वषय पर परियोजना कार्य करें।

1. जनसंचार माध्यम

2. पत्रकारिता का वकास

3. मुन्शी प्रेमचंद

4. महादेवी वर्मा

ख) कॉपी पूरी करें व सभी कार्य याद करें।

English

Hornbill

***Revise full syllabus for exam**

Snapshot

***Revise full syllabus for exam**

***Solve the sample paper in your English notebook.**

***Complete your project file**

POLITICAL SCIENCE

*** Revise full syllabus**

*** Complete notebook**

*** Complete project file**

PSYCHOLOGY

*** Learn Ch-2 and 8**

*** Complete project file**

ECONOMIC

Learn Ch. 9, 10, 11

Note Hots questions and answers given in Sandeep Garg in your economics notebook and learn it.

BUSINESS STUDIES:-

Learn Ch 8, 9, 10 and try to solve at least two case studies related to the chapters.

ACCOUNTS

Chapter -18 financial statements of sole proprietorship all illustration

Chapter -19 adjustments in preparation of financial statements all illustration

Chapter- 20 accounts from incomplete records single entry system all illustration

Try all illustration of chapter 18 19 20

Subject- Maths: Class-11th

Answer the following g questions

1. **Find the derivative of followings:**

$(i).\ \sec x \qquad (ii).\dfrac{\cos x}{1+\sin x} \qquad (iii).\dfrac{\sin(x+a)}{\cos x} \qquad (iv).\dfrac{4x+5\sin x}{3x+7\cos x}$

2. **Evaluate the following limits:**

(i). $\lim\limits_{x\to 2}\dfrac{3x^2-x-10}{x^2-4} \qquad (ii).\lim\limits_{x\to 0}\dfrac{\sin ax}{\sin bx}$ **,a,b** $\neq 0 \qquad (iii).\lim\limits_{x\to\frac{\pi}{2}}\dfrac{\tan 2x}{x-\frac{\pi}{2}}$

3. The variance of 20 observations is5. If each observation is multiplied by 2, find the new variance of resulting observations.

4. The mean of 5 observations is 4.4 and their variance is 8.24. If three of the observations are 1, 2 and 6, find the other two observations.

5. A die is thrown once. Describe the following events:

(i) A: a number less than 7

(ii) B: a number greater than 7

(iii) C: an even number greater than 4.

(iv) D: a number not less than 3.

6. If 2/11 is the probability of an event, what is the probability of the event 'not A'.

7. A letter is chosen at random from the word 'ASSASSINATION'. Find The probability that letter is (i) a vowel and (ii) a consonant.

8. If E and F are events such that P(E) = 1/4, P(F) = 1/2 and P(E and F)=1/8 , Find (i) P (E or F) and (ii) P (not E and not F).

9. Find the mean and variance of 6, 7, 10, 12, 13, 4, 8, 12.

10. Find the mean deviation about median for the following data:

3, 9, 5, 3, 12, 10, 18, 4, 7, 19, 21

11. Compute the derivative of (i) $f(x) = \sin x$ **and** $(ii)\ f(x) = cosx$

12. Write and learn all trigonometric formulae of 11th class NCERT book.

13. If the arc of same length in two circles subtend angles 65° **and** 110° **at the centre, find the ratio of their radii.**

14. Find the degree measures corresponding to following radians measures.

(i). 11/16 (ii) -4 (iii) $\frac{7\pi}{6}$ **(iv)** $\frac{3\pi}{2}$

15. The mean and standard deviation of 20 observations are found to be 10 and 2, respectively. On rechecking, it was found that an observations 8 was incorrect. Calculate the correct mean and standard deviation in each of the following cases:

(i) If wrong item is omitted (ii) IF it is replaced by 12.

16. Do 10 activities in Maths Lab Manual File.