



S.L.S.D.A.V.PUBLIC SCHOOL, MAUSAM VIHAR,DELHI-51

HOLIDAY HOME-WORK

CLASS XI

SESSION : 2021-2022

CLASS XI (ENGLISH CORE)

GENERAL INSTRUCTIONS:

- 1. Attempt your homework in English note-book.**
- 2. Read all the chapters of both Literature books, i.e. HORNBILL AND SNAPSHOTS**
- 3. Holidays H.W. is a part of your internal assessment so do it diligently.**

A. SHORT WRITING SKILL PROJECT

Delve into an extensive research into ONE of the following short writing skills (according to your Roll No.s)

- CLASSIFIED ADVERTISEMENT (roll no. 1-15)**
- COMMERCIAL ADVERTISEMENT (roll no. 16-30)**
- POSTER MAKING (roll no. 32 onwards)**

A project needs to be prepared in the most creative manner possible for you with the help E- newspapers/E- magazines. This would be presented by you in your internal assessment. So, make sure it reflects your personality.

Suggested apps. For the project are- BOOK CREATOR/CANVA/GOOGLE SLIDES/THINGLINK etc.

Project should be comprehensive including texts, images, your voice audios, relevant videos .

B. ARTICLE WRITING

Notes

Steps:

- 1. Eye- catching title**
- 2. Beginning- start should be impressive. May use a quote, popular line, some fact, survey, data, news, media reference, incident/event**
- 3. Content-comprising reasons, effects, present state of affairs**
- 4. Conclusion—should be your strongest point. Use short and humorous sentence. May leave with a question for the reader to ponder over.**

INDIA- A SAFE PLACE FOR WOMEN

CATCHY TITLE

Each time our eyes hit the newspaper, the headlines provoke outrage with news of gang rapes, violence, molestations and harassment of women. The species which consists half of our population is still subject to violence and discrimination. Women continue to live in fear and under the domination of men in present-day India.

START WITH
MEDIA
REFERENCE

When we talk of freedom and independence of the country from the outside forces we are proud of what we have achieved today but women who were equal contributors in the freedom struggle continue to remain shackled by chains of patriarchal mindset. Women are often denied their freedom of choice. Nobody asks a girl what her dreams are or what role she aspires to play in life. Rather her status is confined to the conventional roles that the society has assigned to her. To make this country a free and enjoyable place for women, we first need to empower the police and government in order to provide a safe environment to women so that they can travel wherever and whenever they want. We also need to improve our law and order situation and get serious about the investigation, prosecution and trials. More investment needs to be made in promoting equality and improving ways for the women to take a stand for themselves.

PRESENT
SCENARIO

SOLUTIONS

The quality of freedom is not merely the implementation of rules and laws. Freedom emerges from liberty. It is only when the mindset of people changes and women are treated as equal to men that they will get a carefree and enjoyable atmosphere to be in. Men need to change their attitude towards women and only then we can create a truly safe and free country for one and all.

CONCLUSION
WITH KEY POINT

TOPICS FOR ARTICLE WRITING PRACTISE

- Problem of Dowry System.
- Terrorism - A big threat to humanity.
- Population Explosion.
- Environmental Pollution / Global Warming/ Climate Change.
- Evils of Corruption.
- Female Foeticide.
- Beti Bachao – Beti Padhao.
- Adverse Impact of Internet.
- India's poor ranking in 2017 Global Hunger Index: Reasons & Policy Response
- Inversion: The Crucial Thinking Skill Nobody Ever Taught You

ONE OR TWO QUOTES FROM THE LIST GIVEN BELOW IS COMPULORY TO BE USED IN EACH ARTICLE.

1. Love For All, Hatred For None. -Amy Poehler
2. Every moment is a fresh beginning. – T.S Eliot
3. Never regret anything that made you smile. – Mark Twain
4. Die with memories, not dreams. – Unknown
5. Aspire to inspire before we expire. – Unknown
6. Everything you can imagine is real. – Pablo Picasso
7. Simplicity is the ultimate sophistication. – Leonardo da Vinci
8. Whatever you do, do it well. – Walt Disney
9. What we think, we become. – Buddha
10. All limitations are self-imposed. – Oliver Wendell Holmes
11. Tough times never last but tough people do. – Robert H. Schiuller
12. Problems are not stop signs, they are guidelines. – Robert H. Schiuller
13. One day the people that don't even believe in you will tell everyone how they met you. – Johnny Depp
14. If I'm gonna tell a real story, I'm gonna start with my name. – Kendrick Lamar
15. If you tell the truth you don't have to remember anything. – Mark Twain
16. Have enough courage to start and enough heart to finish. – Jessica N. S. Yourko
17. Hate comes from intimidation, love comes from appreciation. – Tyga
18. I could agree with you but then we'd both be wrong. – Harvey Specter
19. Oh, the things you can find, if you don't stay behind. – Dr. Seuss
20. Determine your priorities and focus on them. – Eileen McDargh
21. Be so good they can't ignore you. – Steve Martin
22. Dream as if you'll live forever, live as if you'll die today. – James Dean
23. Yesterday you said tomorrow. Just do it. – Nike
24. I don't need it to be easy, I need it to be worth it. – Lil Wayne

SPEECH WRITING

Ways of starting a Speech

Powerful speech opening lines set the tone and mood of your speech. It's what grips the audience to want to know more about the rest of your talk

1. **Use the power of imagination to open your speech-** e.g. "Imagine a big explosion as you climb through 3,000 ft. Imagine a plane full of smoke. Imagine an engine going clack, clack, clack. It sounds scary. Well I had a unique seat that day. I was sitting in 1D."
2. **Use humour in a manner that suits your personality-**e.g. "You can't say it, but you know it's true."
3. **Starting off with a question is the simplest way** to start your speech in a manner that immediately engages the audience.-e.g. "How many of us want to be successful?"
4. **Storytelling is the foundation of good speeches.** Starting your speech with a story is a great way to grip the audience's attention.e.g. "8 years ago, I got the worst career advice of my life."
5. **Making a provocative statement** creates a keen desire among the audience to want to know more.e.g. "I want to discuss with you this afternoon why you're going to fail to have a great career."

SPEECH WRITING TOPICS FOR PRACTISE

- A Margin of Safety: How to Thrive in the Age of Uncertainty
- Motivation is Overvalued. Environment Often Matters More.
- How to Use Military Strategy to Build Better Habits
- Creativity Is a Process, Not an Event
- How to Be Happy When Everything Goes Wrong
- What I Do When I Feel Like Giving Up

NOTE- USE DIFFERENT WAYS OF STARTING YOUR SPEECHES AS GUIDED ABOVE. MAY USE QUOTES FROM THE LIST PROVIDED FOR ARTICLE WRITING ALSO.

COMMERCE STREAM (ACCOUNTANCY/ BUSINESS STUDIES/ ECONOMICS)

1. Watch business news daily or read business section of any newspaper and make an attractive and colourful collage on business news.
2. Make one brochure giving information of any product chosen by you.(take any FMCG product)
3. Prepare power point presentation on any of the top 2 women entrepreneur along with the detail of the organization they are working for.

4. Prepare a scrap book including different forms provided by banks (like draft, pay-in slips, photocopy of cheques, Mediclaim services provided, account opening forms etc.)(In case of absence of forms, you can take printouts or you can draw these forms by using pencil).
5. Make a project on IMPACT OF THIS PANDEMIC (COVID- 19) over E-Business.
6. Write few point on: ONE NATION ONE ELECTION – prons and cons.
7. Visit (online) to a small business, to understand the nature , characteristics of the business, forms of business and growth of the business.(write a report on this activity).

PHYSICS

*A copy of this assignment should be pasted in the class-work register.

*All the questions should be solved in classwork register only.

ASSIGNMENT

1. Write the dimensional formulae for the following physical quantities:

(i) Gravitational constant	(ii) Power	(iii) Young's Modulus
(iv) Coefficient of viscosity	(v) Surface tension	(vi) Planck's constant
2. By the use of dimensions, show that energy per unit volume is equal to the pressure.
3. Taking velocity, time and force as the fundamental quantities find the dimensions of mass.
4. The density of mercury is 13.6 g/cm³ in CGS system. Find its value in SIunits.
5. Find the value of 100 J on a system which has 20 cm, 250 g and half minute as fundamental units of length, mass and time.
6. Find the dimensions of a / b in the equation: $F = a \sqrt{x} + bt^2$, where F is force, x is distance and t is time.
7. Find the dimensions of the terms a, b, c in equation $v = at + b / t + c$.
8. Derive the following relationships using dimensions:
 - (a) The velocity 'v' of a wave along a plucked string depends on the tension 'T' in the string, its length 'l' and the mass 'm' of the string.
 - (b) The terminal velocity 'v' of a steel sphere moving under gravity through a viscous liquid depends on the weight of the sphere 'mg', the coefficient of viscosity 'η' and the radius of the sphere 'r'.
9. The diameter of the given wire was measured eight times by a screw gauge as: 0.036 cm, 0.038 cm, 0.039 cm, 0.037 cm, 0.035 cm, 0.036 cm, 0.034 cm, 0.035 cm. Find the diameter of the wire, the absolute error and the relative error.
10. The refractive index was found to be 1.54, 1.53, 1.51, 1.50, and 1.52 in successive measurements. Calculate the refractive index of glass and the percentage error in its measurement.

11. In an experiment to determine the value the Young's modulus of elasticity of a steel wire using the formula $Y = \frac{M g l}{\pi r^2 e}$ the percentage errors in the measurement of m , l , r and e were 2%, 1%, 2% and 1% respectively. Find the percentage error incurred in the measurement of Y .
12. The initial and final temperatures of a water bath are (21.0 ± 0.5) C and (42.5 ± 0.5) C. What is the rise in temperature of the water bath and the greatest fractional error in the determination of the rise in temperature?
13. Determine the density of a sphere if its radius $r = (2.540 \pm 0.005)$ cm and mass $m = (27.5 \pm 0.5)$ g. Take $\pi = 3.14$
14. If $R_1 = (5.0 \pm 0.1) \Omega$ and $R_2 = (5.0 \pm 0.2) \Omega$. Determine (i) $R = R_1 + R_2$ (ii) $R = \frac{R_1 R_2}{R_1 + R_2}$ and the percentage error in both cases.
15. Distinguish between the terms precision and accuracy of a measurement.
16. Do all physical quantities have dimensions? If no, name three physical quantities which are dimensionless.
17. State the number of significant figures in the following: 2.000 m, 5100 kg, 0.050 cm.
18. Round off the following numbers as indicated:
- i) 18.35 up to 3 digits ii) 143.45 up to 4 digits
 iii) 18967 up to 3 digits iv) 321.135 up to 5 digits.
19. Add 7.21, 12.141 and 0.0028 and express the result to an appropriate number of significant figures.
20. The diameter of a circle is 1.06 m. Calculate the area to an appropriate number of significant figures.

CHEMISTRY

I. Revise Chapter-1 till Stoichiometric Calculations.

II .Read Chapter 14 "Environment Chemistry" and complete the following assignment in chemistry notebook.

1. Name the Acid present in Acid Rain.
2. What is meant by Photochemical smog?
3. What causes ozone depletion?
4. Name two Green House Gases?
5. How is Carbon Monoxide harmful to humans?
6. Write a short note on Green Chemistry?
7. Define BOD and COD?
8. Explain Eutrophication?
9. What is Green House effect? How does it affect Global Climate?

10. Name the factors which cause Soil Pollution.
11. Differentiate between Classical Smog and Photochemical Smog?
12. What is the cause of Acid Rain? How is it harmful to the environment?
13. How does Detergent cause Water Pollution?
14. What do you mean by Ozone Hole? What are its consequences?
15. List different methods of Waste Management?
16. State briefly the functions causing the depletion of Ozone Layer in stratosphere?
17. List a harmful effect of CO₂?
18. What is particulate pollution? What are the different types of particulate pollutants?

BIOLOGY

QUES1. From the plants in your house or any park, nursery or garden try to identify and study the following:-

1. Stems and its modifications.
2. Leaf and its modifications.

Take pictures and collect information and record it in scrap book.

QUES 2. Complete the given assignment in your Biology registers.

XI Chapter 16 Assignment-1

1. Name the respective secretions of goblet cells and parietal cells in human stomach?
2. Name the muscular structure that guards the opening of stomach into duodenum.
3. Name two major glands associated with human alimentary canal.
4. Which is the largest gland in the body?
5. Name the constituents of common bile duct.
6. Define:
1) Bolus. 2) Deglutition. 3) Peristalsis. 4) Chyme.
7. What is the medium is regarded as medium pH for activity of trypsin.
8. How does bile help in the digestion of fats?
9. Which part of the body is affected in Jaundice?
10. What term do you give to the feeling that precedes vomiting?
11. What are villi? Where is it located? What are its functions?
12. Draw a diagram of human alimentary canal from pyloric end of stomach upto rectum. Label any six parts.

13. How does major nutrient in food (E.g. in chapatti) eaten by you in gets digested and finally absorbed in alimentary canal.

BIOTECHNOLOGY

A. Write short notes on the following:

1. Nanotechnology
2. Cloning
3. Bioremediation
4. Miracles of Genetic engineering
5. Fermentation Technology

B. Art integration project:

Make a short ppt of about 8 to 10 slides or make a short video of around 1 to 1.5mins on any topic of your choice related to biotechnology showing the importance and applications in today's life.

PHYSICAL EDUCATION

All students have to make a HPE project file,**Record File shall include:

Practical 1: Labelled diagram of 400 M Track & Field with computations.

Practical 2: Computation of BMI from family or neighbourhood & graphical representation of the data.

Practical 3: Labelled diagram of field & equipment of any one game of your choice out of the below list.

(Athletics, Archery, Badminton, Boxing, Chess, Judo, Shooting, Skating, Swimming, Taekwondo, Tennis, Aerobics, Gymnastics, Rope-Skipping, Yoga, Bocce & Unified Basketball [CWSN (Children With Special Needs – Divyang)])

Practical 4: List of current National Awardees (Dronacharya Award, Arjuna Award & Rajiv Gandhi Khel Ratna Award)

Practical 5: Pictorial presentation of any five Asanas for improving concentration.

ग्रीष्मावकाश कार्य/ सत्र 2021- 22

हिंदी ऐच्छिक (002)

कक्षा ग्यारहवीं

प्रश्न क्रमांक-१

दिए गए विषयों में से किसी एक विषय पर पर्याप्त जानकारी एकत्रित करते हुए, परियोजना कार्य तैयार कीजिए।

(आप अपनी पसंद का विषय परियोजना हेतु ले सकते हैं)

(परियोजना कार्य 12-15 पेज)

यह परियोजना 10 अंक के लिए है।

रोल नं विषय

१-१० - प्रेमचंद का परिचय

११-२०- एम एफ हुसैन का परिचय

२१-३०- हिंदी में रोजगार के अवसर

३१-४०- अलंकार और उनके उदाहरण

४१-५०- नौ रस और उनके उदाहरण

५१-६०-संत कबीरदास का परिचय

६१- आगे- संत सूरदास का परिचय

प्रश्न क्रमांक-२

कक्षा में पढ़ाए गए पाठों के प्रश्नोत्तर नोटबुक में लिखिए।

1.कबीर के पद

2.ईदगाह

प्रश्न क्रमांक -३

एक ही समाचार को समाचार पत्र से पढ़े तथा टीवी से सुनिए और दोनों की तुलना कीजिए। जो भी फर्क आपने महसूस किया है उसे A-4 साइज शीट पर लिखिए।

प्रश्न क्रमांक-४

किसी एक अंग्रेजी साहित्य की बाल कथा का हिंदी में अनुवाद करिए। इस अनुवाद को कंप्यूटर में टाइप भी कीजिए।

प्रश्न क्रमांक -५

अपने पसंदीदा विषय पर हिंदी में एक भाषण अथवा कविता तैयार कीजिए तथा उसका वीडियो भी बनाइए।

MUSIC

I. Learn and write the following topics :

- Nada {नाद}
- Shruti {श्रुति}
- Swara {स्वर}
- Raga {राग}

II. Write in brief about Raga Bihag {राग बिहाग}.

III. Write about the Life sketch and Contribution of Miyan Tansen {मियाँ तानसेन} towards Indian Classical Music.

IV. Write the introduction and tala –notation of the following talas and practise them with hand beats.

- Teen tala {तीन ताल}
- Ek tala {एक ताल}

FASHION STUDIES

ACTIVITY: 1

1. Identify any one Indian and one International Designer who has both a main label and a prêt label.(Ready made label)
2. Collect pictures from Fashion Magazines/ Internet of the designs under the respective labels.
3. Paste them on an A4 sheet. Write about 10 points of difference between the main label and Pret Label.

ARTIFICIAL INTELLIGENCE

Read the content on Introduction to Artificial Intelligence given on CBSE website: cbseacademic.nic.in

Prepare a presentation on :

- Artificial Intelligence
- neural network
- Machine Learning
- Deep Learning

COMPUTER SCIENCE / INFORMATICS PRACTICES

Create a presentation /movie on any.one of the following topics:

- Mobile apps
- Cyber security
- Cloud Computing
- Mobile Computing
- IT Act

MATHEMATICS

Please revisit following topics from class X NCERT and then attempt the tasks that follow.

- Arithmetic Progression
- Linear Equations(drawing of Graphs)
- Probability
- Statistics(Finding Mean and Median)

Task -1 ARITHMETIC PROGRESSION

Do Ex 9.2 from Class XI NCERT Book

Task -2 LINEAR EQUATIONS

Solve the following Linear equations graphically:

1. $x + y = 5$
2. $2x + y = 6$
3. $3x + 4y = 12$
4. $y + 8 = 2x$
5. $x - y = 2$
6. $2x - 3y = 6$
7. $-3x + 2y = -6$
8. $3y - 5x = 30$
9. $y = -2$
10. $x = -3$.

Task -3 PROBABILITY

In each of the following Exercises 1 to 7, describe the sample space for the indicated experiment.

1. A coin is tossed three times.
2. A die is thrown two times.
3. A coin is tossed four times.
4. A coin is tossed and a die is thrown.
5. A coin is tossed and then a die is rolled only in case a head is shown on the coin.
6. 2 boys and 2 girls are in Room X, and 1 boy and 3 girls in Room Y. Specify the sample space for the experiment in which a room is selected and then a person.
7. One die of red colour, one of white colour and one of blue colour are placed in a bag. One die is selected at random and rolled, its colour and the number on its uppermost face is noted. Describe the sample space.
8. An experiment consists of recording boy–girl composition of families with 2 children.
 - (i) What is the sample space if we are interested in knowing whether it is a boy or girl in the order of their births?
 - (ii) What is the sample space if we are interested in the number of girls in the family?
9. A box contains 1 red and 3 identical white balls. Two balls are drawn at random in succession without replacement. Write the sample space for this experiment.
10. An experiment consists of tossing a coin and then throwing it second time if a head occurs. If a tail occurs on the first toss, then a die is rolled once. Find the sample space.
11. Suppose 3 bulbs are selected at random from a lot. Each bulb is tested and classified as defective (D) or non – defective (N). Write the sample space of this experiment.
12. A coin is tossed. If the outcome is a head, a die is thrown. If the die shows up an even number, the die is thrown again. What is the sample space for the experiment?
13. The numbers 1, 2, 3 and 4 are written separately on four slips of paper. The slips are put in a box and mixed thoroughly. A person draws two slips from the box, one after the other, without replacement. Describe the sample space for the experiment.
14. An experiment consists of rolling a die and then tossing a coin once if the number on the die is even. If the number on the die is odd, the coin is tossed twice. Write the sample space for this experiment.
15. A coin is tossed. If it shows a tail, we draw a ball from a box which contains 2 red and 3 black balls. If it shows head, we throw a die. Find the sample space for this experiment.

16. A die is thrown repeatedly until a six comes up. What is the sample space for this experiment?

Task -4 STATISTICS

Find the the mean for the data in Exercises 1 and 2.

1. 4, 7, 8, 9, 10, 12, 13, 17
2. 38, 70, 48, 40, 42, 55, 63, 46, 54, 44

Find the median for the data in Exercises 3 and 4.

3. 13, 17, 16, 14, 11, 13, 10, 16, 11, 18, 12, 17
4. 36, 72, 46, 42, 60, 45, 53, 46, 51, 49

Find the mean for the data in Exercises 5 and 6.

5. x_i : 5 10 15 20 25
 f_i : 7 4 6 3 5

6. x_i : 10 30 50 70 90
 f_i : 4 24 28 16 8

Find the median for the data in Exercises 7 and 8.

7. x_i : 5 7 9 10 12 15
 f_i : 8 6 2 2 2 6

8. x_i : 15 21 27 30 35
 f_i : 3 5 6 7 8

Find the mean for the data in Exercises 9 and 10.

9.

Income per day (in rs)	0-100	100-200	200-300	300-400	400-500	500-600	600-700	700-800
Number of persons	4	8	9	10	7	5	4	3

10.

Height (in Cm)	95-105	105-115	115-125	125-135	135-145	145-155
Number of Boys	9	13	26	30	12	10

11. Find the median for the following data :

Marks	0-10	10-20	20-30	30-40	40-50	50-60
Number of girls	6	8	14	16	4	2

12. Calculate the mean deviation about median age for the age distribution of 100 persons given below:

Hint Convert the given data into continuous frequency distribution by subtracting 0.5 from the lower limit and adding 0.5 to the upper limit of each class interval.

Age (in yrs)	16-20	21-25	26-30	31-35	36-40	41-45	46-50	51-55
Number	5	6	12	14	26	12	16	9

LEGAL STUDIES

1. Prepare a PowerPoint presentation on any High Court Of India.

- a. History
- b. Composition
- c. Judges and tenure
- d. Impeachment
- e. Functions

2. Prepare a A4 sheet about the custom as a source of Law.

3. Study any case about Domestic Violence and write it's significance in strengthening the position of women in society.