

DAV VEDANTA INTERNATIONAL SCHOOL, LANJIGARH
DUSSHERA PUJA VACATION HOLIDAY HW
SESSION (2025-2026)
STD - VIII

SUBJECT – ENGLISH

A. Prepare a **comic** based on the interaction between the narrator and the lady

(The Luncheon)

B. Mind Map

Prepare a mind map on ‘My Mother Is My Inspiration’

C. Paragraph Writing [In about 150 words]

Topic: Winners never quit and quitters never win.

D. Write a **poem/story** of your own choice (On any topic).

E. Convert the following sentences into reported speech.

1. Mohini said to her mother, “The ladies have been making pickles for 10 years.

2.”The teacher said to us, “Water boils at 100°C.”

3. Mr Gupta said, “All the flights are delayed due to heavy rains.”

4. Radhika asked me, “When are you leaving?”

5. She said, “He likes Mughlai food.”

6. He said, “Her dress is ready.”

7. Dronacharya said to Arjun, “Shoot the fish’s eye.”

8. He said to her, “You are an understanding person.”

9. The teacher said to Shelly, “Why are you laughing?”

10. Rashi told him, “Your bag is new.”

SUBJECT – HINDI

प्र० 1 दो मित्रों की दहेज प्रथा पर हुई बातचीत को एक संवाद रूप में लिखिए ।

प्र० 2 स्वयं के मनपसंद विषय पर एक स्वरचित कविता या कहानी लिखिए ।

प्र० 3 स्वर संधि का चार्ट बनाइए ।

प्र० 4 अंतरिक्ष में गए भारतीय वैज्ञानिकों की सचित्र सारणी बनाइए ।

SUBJECT - ODIA

1. ଶ୍ରୀକୃଷ୍ଣଙ୍କ ନାମ 'ଦାମୋଦର' ହୋଇଛି କାହିଁକି? ଏହାର କାରଣ କ'ଣ ?
2. ମଣିଷର ଉନ୍ନତି ସହିତ ଭାଷାର କି ସମ୍ପର୍କ ରହିଛି ?
3. 'ଶିକ୍ଷା ଦିକ୍ଷା' କବିତାରେ ରାମାୟଣ ବର୍ଣ୍ଣିତ କେଉଁ ଘଟଣାର ପରବର୍ତ୍ତୀ ପ୍ରସଙ୍ଗ ବର୍ଣ୍ଣନା କରାଯାଇଛି ?
4. ସୁଦର୍ଶନ ପ୍ରହରାଜଙ୍କ ବ୍ୟକ୍ତିତ୍ୱ କିପରି ଥିଲା ?
5. ଗୋଟିଏ ଦୀପ ଅନ୍ୟ ଏକ ଦୀପକୁ ଜାଳିବାରେ ତାପ୍ରର୍ଯ୍ୟ କ'ଣ ?
6. ଆର୍ ଓ ଭୀମ ରୀତ୍ ରେ ଗାନ୍ଧିଜୀ କେଉଁ ଦୃଶ୍ୟ ଦେଖୁଥିଲେ ?
7. ବିଶେଷ୍ୟ କାହାକୁ କୁହାଯାଏ ? ଏହା କେତେ ପ୍ରକାର ଓ କ'ଣ କ'ଣ ଲେଖା।
8. ଲିଙ୍ଗ ନିରୂପଣ କର।
ବଧୂ, ଚପଳ, ଯବନ, ସାହେବ, ପ୍ରଭୁ
9. ଫକୀର ମୋହନ ସେନାପତିଙ୍କ ଜୀବନୀ ଓ ସାହିତ୍ୟକୃତିକୁ ଆଧାର କରି ସଚିତ୍ର ଏକ ପ୍ରକଳ୍ପ ପ୍ରସ୍ତୁତ କର।

SUBJECT – SANSKRIT

- 1) लिख, खाद्, पठ्, पा इति धातूनां पञ्चलकारेषु रूपाणि लिखत ।
- 2) भवत् शब्दस्य त्रिषु लिङ्गेषु रूपाणि स्मरन्तु लिखन्तु च ।
- 3) दीर्घासंधेः पञ्चउदाहरणानि लिखत ।
- 4) गुण संधेः पञ्चउदाहरणानि लिखत ।
- 5) पञ्चअव्ययपदान् आधारिकृत्य वाक्यानि रचयत ।
- 6) अर्धवार्षिकपरीक्षायां कक्षायां प्रथमस्थाने उत्तीर्णभवितुं भवान्/भवती कथं प्रस्तुतिकरणम् कृतवान्/ कृतवती इति विषये लिखित्वा स्व मित्रस्य कृते एकं पत्रं A4 size paper मध्ये लिखत ।

SUBJECT - MATHEMATICS

- 1) Simplify : $(a + b)^2 + (a - b)^2 - 2(a^2 - b^2)$
- 2) A can finish a work in 18 days and B can do the same work in half the time taken by A. Then working together, what part of the same work they can finish in a day?
- 3) Three numbers are in the ratio 1:2:3 and the sum of their cubes is 4500. Find the numbers
- 4) Factorise $x^8 - y^8$
- 5) Factorise $(16m^2 - 40mn + 25n^2) - 144p^2$
- 6) A cycle merchant allows 25% discount on the marked price of the cycles and still makes a profit of 20%. If he gains Rs360 over the sale of one cycle, find the marked price of the cycle.

7) The floor of a rectangular hall has a perimeter 250m. If the cost of painting the four walls at the rate of Rs.10/ m^2 is Rs. 15000, find the height of the hall.

8) The areas of three adjacent faces of a cuboid are 180 cm sq., 96 cm sq. and 120 cm sq. what is the volume of cuboid?

9) Rain water which falls on a flat rectangular surface of length 6 m and breadth 4 m is transferred into a cylindrical vessel of internal radius 20 cm. What will be the height of water in the cylindrical vessel if the rain fall is 1 cm (Take $\pi = 3.14$)

10) A boy is cycling such that the wheels of the cycle are making 140 revolutions per hour. If the diameter of the wheel is 60 cm, calculate the speed in km/hr. with which the boy is cycling.

Project work

1) Life history of any Indian Mathematician and his/her contribution in the field of Mathematics

2) Value of Maths in your life and relationship with other subjects.

3) Search two innovative projects for Mathematics exhibition.

SUBJECT - SCIENCE

SECTION-A [CHEMISTRY]

1. Compare renewable and non-renewable energy sources. Which one is more sustainable in the long term and why?

2. How can the location of a region influence its choice of energy sources? Give examples to support your answer.

3. Evaluate the role of solar energy in reducing dependency on fossil fuels. What challenges might be faced in adopting it widely?

4. If a community has limited access to sunlight, what alternative renewable energy sources could they use and why?

5. Explain how hydropower plants generate electricity. What environmental issues may arise from their construction?

6. How does the temperature at which a substance burns relate to its use as a fuel? Give examples of fuels with high and low ignition points.

7. Evaluate the environmental impact of burning wood versus natural gas. Which would be preferable and why?

8. Explain how combustion plays a role in everyday life, and analyze what would happen if we had no access to this process.

9. What would happen if combustion reactions released energy slowly instead of rapidly? How would this change the use of fuels?

10. (A) Predict the consequences of incomplete combustion in car engines and propose maintenance strategies to prevent it.

(B) Activity: Poster making on “Sources of Energy”

SECTION-B [PHYSICS]

Q1. Imagine a camel and a horse standing on soft sand. The camel does not sink much, but the horse does. Analyze why this happens using the concept of pressure. Also suggest which changes in the horse's anatomy could reduce its pressure on the sand.

Q2. Two children push a box from opposite sides with equal force. The box does not move. Now, one child increases the force. Explain what type of forces was acting initially and what happens when the force becomes unequal. Support your answer with a diagram.

Q3. Car is moving on a wet road and takes a longer distance to stop compared to a dry road. Identify the factors affecting friction in both cases and explain how they influence stopping distance.

Q4. Submarines and airplanes are designed with specific shapes. Explain how fluid friction plays a role in their design. What might happen if they were shaped like a cube? Justify with scientific reasoning.

Q5. A student claims that adding oil to a bicycle chain reduces wear and tear. Explain the scientific reasoning behind this claim. What role does lubrication play in managing friction in machines?

Q6. Two wires are dipped into a solution of copper sulfate and connected to a battery. After a while, a reddish-brown deposit is seen on one wire. Explain the chemical process involved and identify the wire (anode or cathode) where the deposit is formed.

Q7. Why is electro refining used in purifying metals like copper? Explain the process and reasoning behind using electrolysis for purification.

Q8. A student tries to electroplate a steel spoon with silver using a silver nitrate solution. Analyze the materials and conditions required. What mistakes should be avoided during the process? Justify your answer.

Q9. Suppose you have a coil of wire connected to an electric lamp. When a bar magnet is moved toward the coil, the lamp glows. Explain why this happens and how it demonstrates electromagnetic induction. What factors affect the amount of induced current?

Q10. Prepare a poster or collage on chart paper on the following topics:

"Friction in Everyday Life" – Use drawings, cut-outs, or printed pictures to show how friction is useful and problematic in various situations (e.g., vehicles, sports, walking, etc.)

Instructions: Use A3 or A2 size chart paper.

Make it attractive using headings, illustrations, and brief explanations.

Ensure the information is relevant to the topic and neatly presented.

SECTION-C [BIOLOGY]

Q1) Draw a science toon in your copy showing informative dialogues between the nucleus and mitochondria.

Q2) Write at least six problems faced by adolescents now a days.

Q3) Grow a bread mould in your home and paste its pictures in your science copies.

Q4) Pick up the names of any two preservatives used in the jams, jellies, pickles, ketchup, sauces in your home. Write their actual name as mentioned in the labels. Find out their functions also.

Q5) What precautions must be taken while taking antibiotics?

Q6) We add a little warm milk to set curd for the next day. Why?

Q7) Viruses are unique. Elaborate.

Q8) Prepare a mind-map of the chapter Reproduction in Animals on a A4 size paper.

Q9) Make a vaccination chart on a A4 size paper.

Q10) List out some of the harmful pathogen and the diseases caused by them on a A4 size paper.

NOTE: Q1) to Q7) are to be done in the science notebook and Q8) to Q10) should be done on a A4 size papers with your name, class, section and date.

SUBJECT- SOCIAL SCIENCE

1. Dp- Collage making of any Government Welfare Schemes.

2. Geography:

(i) Write the importance of agriculture.

(ii) Draw a mind map of types of agriculture.
