

DAV PUBLIC SCHOOL, NTPC, RIHANDNAGAR  
Home work For Summer vacation (2018 – 19)  
**CLASS – IX A1+2**

Subject:- **English**

- Act. 01: Arrange a G.D. on the topic, 'Whether children should be made to work in households, dhabas and factories or not?'  
Act. 02: Write a brief paragraph on, " How Fire Crackers Lead to Air Pollution."  
Act. 03: Write about a holiday memory with your grandmother.

Paragraph Writing

Act. 5: Write a short paragraph on "The Role of Parents' in stopping their children from Net Addiction."

Act. 6: Memories of the First Day at School

For some the first day at school can be traumatic while for others it can be a whole new adventure. Describe your emotions on your first day at school.

Act. 7: One to One Conversation at a Bus Stop

Two commuters, who are waiting for their respective buses at a city Bus- Stop, break in to a casual conversation. Dramatize the conversation in the classroom.

Act. 8: POEM RECITATION

Recite the poem, 'The Road Not Taken' & find out as many rhyming words & figures of speech as possible.

9. Briefly explain:

Margie	Tommy	Mrs. Jones	County Inspector
Mechanical Teacher			

- Where has Tommy got that old book from?
- Why that book look strange to Margie & Tommy?
- Why does Margie hate her school?
- What is wrong with the Geography section?
- Why is mother not happy with Margie's progress?
- How does the county inspector solve Margie's problem?
- Write two stories on your favourite theme. Write the Title, Content & Moral of the stories.

Subject:- **Hindi**

1- संवाद लेखन कीजिए -

- विद्युत कटौती से त्रस्त दो महिलाओं के बीच होने वाले संवाद।
- विद्यालय में विलम्ब से पहुंचने पर अध्यापक और विद्यार्थी के मध्य संवाद।

2- निबंध लिखिए-

- मन के हारे हार है, मन के जीते जीत (ख) नदी की आत्मकथा

Subject:- **Sanskrit**

- शब्दरूपाणि – नदी , बालक , कवि , साधु , मधु , वधू च शब्दानाम् रूपाणि लिखित्वा स्मरन्तु ।
- तत् , किम् च सर्वनाम शब्दानाम् रूपाणि त्रिषु लिङ्गेषु लिखित्वा स्मरन्तु ।
- धातुं प्रत्ययं च पृथक् कृत्वा लिखत -पठितुम् , खादित्वा, आगत्य, आनेतुं, पीत्वा , लब्धुम् , दत्त्वा, आनीय, परीक्ष्य, हत्वा,खादितुं, प्रणम्य, भूत्वा, भवितुम्, नीत्वा, आलेख्य, गत्वा, स्नातुम्, विहाय,
- उच्चारण स्थानानि लिखत - क,च, द, त, ट, प, ज, ब, ग, न, अ, ई, ए, ओ, ङ, ज,ब,ग,ड, ह,
- सेव्,लभ्,च च धातवो: रूपाणि लट्,लृट्,लङ् च लकारेषु लिखित्वा स्मरन्तु ।

Subject:- **Physics**

- A body covered a distance of 1 metre along a semicircular path. Calculate the magnitude of displacement of the body and the ratio of distance to displacement.
- Draw position- time graph for two objects having zero relative velocity.
- The body travels a distance s with velocity v and s with velocity v in the same direction. Calculate the average velocity of the body.
- Distinguish between speed and velocity .
- A boy walks to his school at a distance of 6KM with constant speed of 2.5 km hr and walks back with a constant speed of 4KMr. What is average speed for the round trip KMr?
- Is magnitude of the displacement of an object and total distance covered by it in certain time interval same? explain.
- What do you understand by positive and negative time?

Subject:- **Chemistry**

Prepare a model to demonstrate movement of particles in solids, liquids and gases.  
Convert into Kelvin scale - 100 °C , - 100 °C, 250 °C and -10 °C  
Convert into °C scale = 450 K , 320 K, 740 K, 0 K  
Why is ice at 273 K more effective cooling than water at the same temperature?  
Differentiate solid , liquid and gas on the basis of their properties.

Subject:- **Biology**

Why is the plasma membrane called a selectively permeable membrane?

What is the protoplasm surrounding the nucleus called?

What are the functions of ribosomes?

Who discovered cells, and how?

Why is the cell called the structural and functional unit of life?

How do substances like CO<sub>2</sub> and water move in and out of the cell? Discuss.

Name the two organelles that contain their own genetic material?

If the organisation of a cell is destroyed due to some physical or chemical influence, what will happen?

Why are lysosomes known as suicidal bags?

Where are proteins synthesised inside the cell?

**Subject:- Social Science**

- 1) Write questions and answers of chapter no.1 "The French revolution"(History)
- 2) Make 25 new questions with answers from chapter no. 2 "What is Democracy ? Why Democracy ?"(Civics) and learn it.
- 3) Write questions and answers of chapter no. 1 "The story of village palampur" (Eco.) and make 20 new questions with answers. Learn it.
- 4) Write 29 states and their capital and memorize.

**Subject:- Computer Application**

1. Prepare project on the following topic ( on a char paper ) Hardware / Cyber crime / Social networking Sites / Software / Wired Media / Wireless Media
2. Prepare a Animation on Scratch
3. Find & List different Learning Apps from the Internet.
4. Prepare a presentation on the following topic - Hardware / Cyber crime / Social networking Sites / Software / Wired Media / Wireless Media
5. Solve the Q & A of the Chapter II & III