

D.A.V Public School, Bhagalpur

Class-IX

Summer Vacation Holiday Home Work (2017-18)

Subject	Contents
English	Workbook- Complete the Interrogative Grammar practice of (i) Verb Forms (ii) Determiners
	Literature- Write Question & Answers of Road not Taken.
	Novel- Write summary of Chapter-1 to 10 of Three Men in a Boat.
	Project- You have read an account of the final stages of Amalias life. It had been a sage of struggle of courage. Read about her early life. The factor that inspired her to become an aviator in her life. There is a list of the inference books of website which will guide you in your endeavor in making a project.
Maths	Ex 2.2- 1(ii), 2(iv), 3(vi), 4(vi) (viii) Ex 2.3- 1(iii) (iv) Ex 2.5- 1(iv), 2(iii), 3(iii), 4(iv), 5(ii), 7(iii), 8(v), 12, 14(ii), 16(ii) Ex 2.1- 3 Ex 1.2- 2 & 3 Ex 1.3- 3,7 & 8 Ex 1.4- 2 Ex 1.5- 4 & 5 Ex 1.6- 19(iii), 2(iv), 3(i) Ex 3.2- 1 Ex 3.3- 2 Ch-5: Eg. 2 Theorem 5.1- Example 5.1, 4,5 & 6 Example- 5.2-2 Activity- Locate mirror image with respect to x, y axis & origin. The points are (3,2) (-6,5) (-1.5, -4.5) (7,-3.2) (2.3,7.6) in stick file.
SST	History- 1. Write all the terms & symbols of French Revolution. 2. Causes and circumstances of French Revolution. 3. Write short notes (a) Reign of Terror (b) Jacobin Club 4. Write the 10 objective questions of the French Revolution. 5. Achievements of national Assembly in France. 6. Role of writers & philosophers in outbreak of the French Revolution. 7. Legacy of French revolution.
	Chapter-2 (Russian Revolution)
	1. Write short notes on: Liberals, Conservatives, Radicals, April Thesis, Stalinism, Collectivization, Duma. 2. Explain causes of October revolution. 3. Explain the role of Lenin in October revolution. 4. Consequences (result) of Russian revolution.

	5. Prepare 10 objective questions from Socialism in Europe & Russian revolution.
	<p>Civics- Chapter-2 1. Define Democracy. What are the features of democracy? 2. Why do we need democracy? 3. What are the merits and demerits of democracy? 4. How democracy is better than other form of government?</p> <p>Chapter-3 1. Write all the terms of the chapter. 2. Write 5 objectives of the chapter. 3. a. What is constitution? b. What is preamble? c. Explain Apartheid and Segregation.</p>
	<p>Economics- 1. Explain the factors of production. 2. What is physical capital? (Explain) 3. Fixed capital are not working capital. Explain it with example. 4. Why is wages of the labourers less in village Palampur than the fixed wages? 5. How electricity helps the people of village Palampur? 6. Write short notes on : (a) Green Revolution (b) Human capital (c) Non-farming activities in village Palampur</p>
	<p>Geography- 1. Write the summary of the Chapter Size & location (minimum 200 words) 2. Describe the importance of India central position on the head of Indian ocean. 3. What are tectonic plates? 4. Explain plates boundaries with diagram. 5. Explain major physical division of India. Project-Prepare a project on Disaster management.</p>
Science	<p>Physics- 1. Distinguish between- a. Speed and velocity b. Distance and displacement c. Linear motion and circular motion 2. Write the symbols of S.I units of time, distance, velocity, acceleration and displacement. 3. Derive 3 equations of motion graphically. 4. Why is uniform circular motion an accelerated motion? Explain with example. 5. A motorboat starting from rest on a lake accelerates in a straight line at a constant rate of 4 m/s^2 for 8.0 sec. How far does the boat travel during this time period?</p>

6. The data for 2 moving bodies a & b are given:

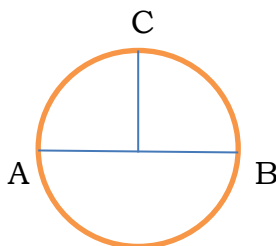
Time/Dist	12:00 noon	12:15 pm	2:30 pm	12:45pm	1:00pm
Body A	10m	15m	20m	25m	30m
Body B	12m	15m	19m	27m	39m

a. Plot distance-time graph for A & B. State whether the motion of 2 bodies is uniform or non-uniform.

7. A ball is gently dropped from a height of 20m. If its velocity increases uniformly at the rate of 10 m/s^2 . With what velocity will it strike the ground. After what time will it strike the ground?

8. State and explain 1st law of motion.

Activity- Find the distance and displacement when a body moves half-circle, full circle and $\frac{1}{4}$ th part of a circular path on a circle if the radius of the given circle is 5cm.



Chemistry-

- When a crystal of potassium permanganate is placed in a beaker its purple colour spreads throughout the water. What does this observation tell us about the nature of potassium permanganate and water?
- Give 2 reasons to justify that-
 - Water is a liquid at room temperature.
 - An iron nail is solid.
- When a crystal of copper sulphate is placed in a beaker containing water, the water slowly turns blue. Why?
- Draw a labeled diagram of the experimental setup to study the latent heat of vaporization of water?
- Why does desert cooler cool better on a hot dry day?

Biology-

- Write down the question and answer of chapter-15.
 - Draw a well labeled neat and clean diagram of the following: Robert Hooke Microscope, Nucleus, Mitochondria, A compound microscope & Chloroplast.
 - Write down the difference between plant and animal cell with diagram.
 - Learn and prepare both chapters.
- Project- Make a herbarium of 4 plants belonging to cereals, pulses or oil seed group of your locality.

Computer

Write down all the question and answer of Chapter 6.
Project- Create a colorful Bio-data of yourself in Open office Writer using the following features: Bullets & Numbering, Table, Margins & alignment. Submit the printout in A4 size paper.

Hindi

1) इन उपसर्गों का प्रयोग करते हुए नये शब्द का निर्माण करें:-
क) निर, अति, प्र, दूर, प्रति, सु।

	<p>ख) इन प्रत्ययों से नये शब्द का निर्माण करें:— ईय, त्व, इत, इक, ना ।</p> <p>2) समास की परिभाषा देते हुए उसके भेदों को सोदाहरण लिखें। तथा याद करें।</p> <p>3) यमक, मानवीकरण, श्लेष अलंकार को याद करें।</p> <p>4) (क) अपने क्षेत्र में पार्क विकसित करने तथा उसके रख-रखाव के लिए नगर निगम अधिकारी को पत्र लिखें।</p> <p>5) निबंध – आतंकवाद एक समस्या और सामाधान।</p> <p>6) 'इस जल प्रलय में' पाठ का प्रश्नोत्तर करें। तथा गद्य पाठ. 1,2,3, तथा पद्य पाठ. 1,2,3, के प्रश्नोत्तर याद करें।</p>
Sanskrit	<p>पाठ 1 तः – 4 पर्यन्तम् श्लोकान्वयान्, प्रश्ननिर्माणानि , रिक्तस्थानपूर्तिः च अभ्यासं कृत्वा लिखत ।</p> <p>एकास्मिन् पत्रे उच्चारणस्थानानां रेखाचित्रं निर्माणं वर्णानां विस्तृत विवरणं लिखत । दीर्घः, गुणः, वृद्धि, यण इत्युत्पत्तयः सन्धीनां पञ्च- पञ्च उदाहरणानि वाक्येषु । शब्दरूपाणि- पुल्लिङ्गे- बलकवत्, कविवत्, साधुवत्, पितृवत् । धातुरूपाणि- लट्, लृट्, लङ् लकारेषु-परस्मैपदिनः- भू, पठ्, अस्, क्रुध, नश , शक् । उचित उपपदविभक्तिं प्रयुज्य द्वे-द्वे वाक्ये लिखत- (अनुच्छेदे, वार्तालापे, लघुकथायाम् वा)</p> <p>द्वितीया – समय, निकषा , प्रति , धिक् , विना, अभितः, परितः, उभयतः,</p> <p>तृतीया- विना, अलम् , हीनः, प्रयोजनम्, सह, किम्, विषयं दृष्ट्वा मञ्जूषायाः शब्दानां सहायतया पंचवाक्यानि संस्कृते लिखत-</p> <p>(क) मम प्रियः अध्यपकः मुनीन्द्रः, आर्यः, मागदर्शनं , पाठयति , विनीतः, सभ्यः, पर्वतारोहणाय, संस्कृत, सामान्य, विषयेषु ।</p> <p>(ख) मम प्रियः कवि कालिदासः, सप्तरचनाः श्रेष्ठं, राजसभायाः , शेक्सपियरः, सुरक्षितः विक्रमादित्यस्य , कविः ।</p> <p>(ग) मम् गृहोद्यानम् पादपान्, गृहस्थ, पश्चिमे, भागे, पारिवारिक सदस्याः परिवर्धनं , फलवृक्षाः, स्वच्छं, तरवे, जीवनं ।</p> <p>(घ) विद्यायाः महत्त्वम् विद्या धनं, व्यये कृते वर्धते, सञ्चयात् क्षयम् आयाति, सर्वोत्तमं, मन्यते, जीवनं, सुखमयं भवति, धनेन विद्यां , क्रेतुं, न शक्यते , नरः , शोभते ।</p>