

ARMY PUBLIC SCHOOL UDHAMPUR
HOLIDAY HOMEWORK WORKSHEET 2017-18

NAME _____

CLASS-IX

Please complete the Holiday Home Work given below. Question Bank and extra activities of various subjects are uploaded on the school website. Please download them from the school website (www.apsudhampur.com)

English

- A) Read the Novel "Gulliver's Travel" thoroughly (vol-1 part I & 2).
- B) Write a brief summary and theme (vol-1 part 1 & 2)
- C) Write the main character sketches that comes across the novel (vol-1 part 1 & 2)
- D) Prepare for the given ASL topics to be held in the month of July 26 onwards.
- E) *NOTE: Use a separate 10/- Note Book for the holidays homework

Hindi

(क) निम्नलिखित प्रश्नों के उत्तर (25 से 30 शब्दों में) लिखिए:-

- 1-किसान के हाथ-मुँह पर छाई धूल हमारी आधुनिक सभ्यता से क्या कहती है?
- 2-गाँव के वचपन और नगर के वचपन में क्या अंतर होता है?
- 3-भगवाना की मृत्यु के पश्चात् बुढ़िया के घर की क्या दशा हुई?
- 4-वेस कैंप में लेखिका की मुलाकात किससे हुई? उसने लेखिका का उत्साहवर्धन कैसे किया?
- 5-एवरेस्ट अभियान आरंभ होने से पूर्व अभियान दल को क्या जानकारी दी गई?
- 6-गिल्लू महादेवी को चौंकाने के लिए क्या करता था?
- 7-रैदास की भक्ति की विशेषताओं का वर्णन कीजिए।
- 8-रहीम के अनुसार एक को साधने से सब कैसे सध जाता है?
- 9-रहीम ने पशु से भी तुच्छ किसे माना है और क्यों?
- 10-पाट में गिल्लू के खाने के बारे में क्या बताया गया है?

(ख) निम्नलिखित प्रश्नों के उत्तर (50 से 60 शब्दों में) लिखिए:-

- 1-लेखक ने धूल की महिमा का बखान करने के लिए कौन-कौन से रूपकों का प्रयोग किया है?
- 2-निर्धन वृद्धा तथा संभ्रांत महिला का दुख समान होते हुए भी भिन्न कैसे था?
- 3-कैंप तीन की घटना का सविस्तर वर्णन कीजिए।
- 4-कवि रैदास ने स्वयं को प्रभु के निकट किन-किन रूपों में पाया है?
- 5-लेखिका और गिल्लू के आपसी संबंधों पर प्रकाश डालिए।

नोट:-ए एस एल संबंधी परियोजना कार्य 21 जुलाई, 2017 से प्रारंभ होगा। इससे संबंधित विषय तथा कार्य-प्रारूप की जानकारी छात्रों को दी जा चुकी है।

Social Science

SECTION A- **GEOGRAPHY** Chapter 1: Location and Size

1. Locate the following:

- a) Arabian Sea
- b) Bay of Bengal
- c) States through which the Tropic of Cancer passes.
- d) The Northernmost latitude in degrees (India)
- e) The State with longest Coastline in India
- f) The Strait separating Sri Lanka from India.

Chapter 3: Physical Features of India

- a) Ranges: Himadri, Himachal, Shiwalik, Aravali, Vindhya, Karakoram, Garo, Khasi, Nagahills, Western Ghats, Eastern Ghats
- b) Mountain Peaks: K₂, Kanchanjunga, Nanda Devi, Namcha Barwa, Nanga Parbat, Anai Mudi, Doda Beta.
- c) Malwa Plateau, Chotanagpur plateau, Deccan Plateau.

Chapter 3: Drainage

- a) Himalayan Rivers: Ganga, Indus, Brahamaputra, Chenab, Satluj, Gomati
- b) Peninsular Rivers: Mahanadi, Krishna, Kaveri, Tapi, Narmada, Godavari
- c) Lakes: Kolleru, Pulicat, Chilka

SECTION –B (**HISTORY**) Chapter 5: Nazism & the Rise of Hitler

1. In the outline map of Europe locate and mark the following:

- a) The member countries of Axis Power

- b) Country attacked by Hitler in 1939
- c) Country attacked by Hitler in June 1941
- d) The Birth Place of Hitler.

Answer the following:

1. India is divided into different physiographic units. They highest the unique features of each region complement the other and make the country richer in its natural resources
2. Explain with at least five examples about the unique features of different region
3. Describe how geographical features of the country fostered unity and homogeneity in the Indian society suggest any five ways to promote unity and homogeneity in the Indian society
4. How have the mountain passes been useful to India since historic time's times? Explain.
5. How has the Himalayas act as a boom for India?
6. Give three facts about the Lakshadweep island groups.
7. What are coral polyps? Write in brief.
8. What feature makes the Northern plains suitable for agriculture?

DISASTER MANAGEMENT – PROJECT REPORT & ITS GUIDELINES FOR THE REPORT

- 1) Use practical sheets for the project.
- 2) Project should be Hand written and original drawing and creative use of materials will be credited.
- 3) The project report should be developed and presented in the following order:
Page 1: cover page showing titles, student information, school, year, subject teacher's name,
Page 2: content, Page 3: Acknowledgment, Page 4: Aims and Objectives, Page 5: Subject Matter, Page 6:
Page 6: Conclusion, Page 7: Evaluation
- 1) What is disaster management?
- 2) What are disasters? How are they classified?
- 3) Write down a detail report on Earthquake-
(a) Causes (b) measurement (c) effect of an earthquake (d) precaution to be taken (e) coping with the aftermath (f) related pictures

Science

1. *Ram parked his bicycle on a sunny day in a parking stand of his school campus. When the school got over, Ram saw his burst cycle tyre . Thereafter he kept lesser air in his cycle tyres and did not inflate them fully.*
 - a. **Why did the tyre burst?**
 - b. **Why is air compressible?**
 - c. **What value of Ram is reflected in the above act?**
 2. A car accelerates uniformly from 18km/hr to 36km/hr in 5s . Calculate (i) acceleration and (ii) the distance covered by the car in that time.
 3. **Explain the following by giving examples:**
 - a. **Saturated solution (b) Pure substance (c) Colloid (d) suspension**
 4. *Draw distance time graphs and velocity time graphs for the following situations: (i) rest (ii) uniform motion (iii) non uniform motion*
 5. *What does the area under the velocity time graph represent?*
 6. *A horse accelerates at a rate of 4 m s^{-2} . What is the distance it covers after running for 10 sec from the start?*
 7. *Complete the exercise of 'Natural Resources' and 'Improvement in food resources'.*
- HOTS :**
8. Butter is an example of one type of colloidal solution. Name it. Give reason for your choice.
 9. Two particles are moving with constant speed v such that they are always at a constant distance d apart and their velocities are always equal and opposite. After what time will they return to their initial positions?
 10. List two conditions essential for using distillation as a method for separation of the components from a mixture.

NOTE: Read chapter 9 of your textbook

Maths

1. Visualise the representation of 5.3777... on a number line upto 5 decimal places.
2. Express the decimal in the form of $\frac{p}{q}$: 125.333...
3. Rationalise the denominator: $\frac{10}{\sqrt{10}-\sqrt{5}}$
4. (A) Represent $\sqrt{13}$ on a number line. (B) Simplify by rationalising the denominator: $\frac{3-2\sqrt{5}}{3+2\sqrt{5}}$
5. Represent $\sqrt{6.3}$ on a number line.
6. If $\frac{2\sqrt{6}-\sqrt{5}}{\sqrt{45}-\sqrt{24}} = a + b\sqrt{30}$, find the values of "a" and "b".
7. If $a = 2 + \sqrt{3} + \sqrt{5}$ and $b = 3 + \sqrt{3} - \sqrt{5}$, find $(a-2)^2 + 1(b-3)^2$.
8. if $a = \frac{\sqrt{5}-\sqrt{3}}{\sqrt{5}+\sqrt{3}}$ and $b = \frac{\sqrt{5}+\sqrt{3}}{\sqrt{5}-\sqrt{3}}$ find $a + b + ab$
9. Use Factor theorem to factorise $2y^3 + y^2 - 2y - 1$
10. Thrice the cost of a kettle is equal to five times the cost of an oven. Write this statement in two variable to represent this statement
11. The autorickshaw fare in a city is charged Rs 10 for the first kilometer and at a rate of Rs 4 per kilometre for the subsequent distance covered. Write the linear equation to express the above statement. Draw the graph of linear equation.
12. Divide the polynomial $3x^4 - 4x^3 - 3x - 1$ by $x - 1$
13. If C is the mid-point of the line segment AB. L and M are the mid-points of the line segment AC and BC respectively.
14. Prove that $AL = LC = CM = MB = \frac{1}{4}AB$.
15. solve for x :

$$\frac{7x-1}{4} - \frac{1}{3}\left(2x + \frac{x-1}{2}\right) = 6\frac{1}{3}$$

Computer

- Design a presentation on Crypto currency [Boon and Bane]. Complete Ex-1,2,3 Q&A [notebook work].

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HOLIDAY HOMEWORK WORKSHEET 2017-18

NAME _____

CLASS- X

Please complete the Holiday Home Work given below. Question Bank and extra activities of various subjects are uploaded on the school website. Please download them from the school website (www.apsudhampur.com)

English

- A) Read the Novel "The Story of My Life" thoroughly Ch 1-10.
 - B) Write a brief summary and theme of each novel Ch1-10.
 - C) Write the main character sketches that comes across the novel chapters 1-10.
 - D) Prepare the given ASL topics to be held in the month of July
- *NOTE: Use a separate 10/- Note Book for the holidays homework

Hindi

(क) निम्नलिखित प्रश्नों के उत्तर (25से30 शब्दों में) लिखिए:-

- 1-बड़े भाई का रुद्र रूप देखकर लेखक के प्राण क्यों सूख जाते थे?
- 2-आदर्श स्थिति बनाए रखने के लिए बड़े भाई साहब का बचपना कैसे तिरोहित हो जाता था?
- 3-बड़े भाई साहब अंग्रेजी की पढ़ाई के विषय में क्या नसीहत देते थे?
- 4-आज़ादी के संघर्ष में विद्यार्थियों की क्या भूमिका थी? डायरी का एक पन्ना पाठ के आधार पर स्पष्ट कीजिए।
- 5-लेखक की डायरी का एक पृष्ठ भावी पीढ़ी को किस प्रकार प्रेरित करता है? स्पष्ट कीजिए।
- 6-स्वतंत्रता दिवस मनाने के लिए कलकत्ता में आयोजित सभा अनोखी क्यों थी?
- 7-ततौरा और वामीरो शादी के बंधन में क्यों न बँध सके ?
- 8-ततौरा का चरित्र-चित्रण कीजिए।
- 9-कबीर की साखियों में कौन-कौन से जीवन-मूल्य उभरते हैं?
- 10-महंत जी ने हरिहर काका को एकांत कमरे में बिठाकर प्रेम से क्या समझाया?

(ख) निम्नलिखित प्रश्नों के उत्तर (50से60 शब्दों में) लिखिए:-

- 1-पशु-पर्व में ऐसी कौन सी घटना घटी कि ततौरा और वामीरो सदा के लिए विछुड़ गए?
- 2-26जनवरी 1931 के दिन को अमर बनाने में कलकत्ता के स्त्री समाज की क्या भूमिका थी?
- 3-'बड़े भाई साहब' पाठ में समूची शिक्षा के किन-किन तौर-तारीकों पर व्यंग्य किया गया है?
- 4- कबीर द्वारा रचित 'साखी' का प्रतिपाद्य लिखिए।
- 5-अपने आराध्य श्रीकृष्ण का दर्शन पाने के लिए मीरा क्या-क्या उपाय करती हैं?
- 6-हरिहर काका का चरित्र-चित्रण कहानी के आधार पर कीजिए।
- 7-समास किसे कहते हैं? इसके कितने भेद होते हैं? सोदाहरण स्पष्ट कीजिए।
- 8-वाक्य किसे कहते हैं? रचना और कर्म के आधार पर वाक्य के कितने भेद होते हैं? सोदाहरण परिभाषा लिखिए।

नोट:-ए एस एल संबंधी परियोजना कार्य 21 जुलाई, 1017 से प्रारंभ होगा। इससे संबंधित विषय तथा कार्य-प्रारूप की जानकारी छात्रों को दी जा चुकी है।

Social Science

SECTION -A (GEOGRAPHY)

Chapter 1: Resources and Development

- Major Soil Types of India

Chapter 3: Water Resources

Major Dams

1. Salal
2. BhaKra nangal
3. Tehri
4. Rana Pratap

5. Saga, Sardar Sarovar
6. Hirakud
7. Nagarjun Sagar
8. Tungabhadra

Chapter 4: Agriculture

1. Major Areas of Rice and Wheat.
2. Major producers States of Sugarcane, Tea, Coffee, Rubber, Cotton and Jute.

SECTION -B (HISTORY)

Chapter 5: The Age of Industrialization

2. In the outline map of India locate and mark the following Industrial regions of India(1931):
 - a) Punjab
 - b) Central Provinces
 - c) Bengal
 - d) Bombay
 - e) Madras

Disaster management

Project report

Guidelines for the project report

- 4) Use practical sheets for the project.
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Topics

Do any one of the following:

- 1) Role of Government and NGO functionaries in your locality in disaster.
- 2) Alternative Communication method during disasters.

GEOGRAPHY

Answer the following questions:

- 1) "Nature worship is an age old belief" Explain how it has helped in the conservation of forest and wildlife.
- 2) How have the growing population, industrialization and urbanization led to the water scarcity?
- 3) Compare the advantages and disadvantages of multipurpose river projects.
- 4) Give one example of any one state of India where rainwater harvesting is taken seriously and also explain the method.
- 5) Give a brief description of 'Hydrological Cycle'
- 6) Discuss how is rainwater harvesting in semi-arid regions of Rajasthan carried out?
- 7) Describe how communities have conserved and protected forest and wildlife?
- 8) Why did Jawaharlal Nehru proclaim dams as the "Temples of modern India"?

Science

INSTRUCTION- Do all the questions in neat and clean hand writing in fair notebook.

1. What is the main toxic waste kidney filters from the blood?
2. What is the function of trachea? Why its wall does not collapsed even when there is less air present in it?
3. Explain holozoic nutrition in amoeba.
4. Explain the functioning of human heart with the help of a labelled diagram.
5. What is glomerular filtration?

6. How do guard cells control the opening and closing of stomata?
7. What do you mean by double circulation?
8. Mention the role of following in digestion—i) pepsin ii) saliva iii) villi iv) bile juice
9. Why is it necessary to separate oxygenated and deoxygenated blood in birds and mammals?
10. Write the name of two acidic and two basic salts.
11. A gas X reacts with lime water and forms a compound Y which is used as bleaching agent in chemical industry. Identify X and Y. Write the chemical equation for the reaction.
12. Write the balanced chemical equation for the following word equation-
 - a. Carbon disulphide burns in air to give carbon dioxide and sulphur dioxide.
 - b. Nitrogen reacts with hydrogen under pressure to give ammonia.
 - c. Calcium carbonate reacts with hydrochloric acid to give calcium chloride, carbon dioxide and water.
13. Give one example each of-
 - a. Displacement reaction
 - b. Double displacement reaction
 - c. Decomposition reaction
 - d. Substitution reaction
 - e. Exothermic reaction
 - f. Endothermic reaction
 - g. Oxidation-reduction reaction
14. Write the balanced equation involved when---
 - a. Chlorine is passed over dry slaked lime.
 - b. Sodium bicarbonate reacts with hydrochloric acid
 - c. Sodium bicarbonate is heated
 - d. NaOH solution is heated with zinc granules
 - e. Chlorine gas is passed through dry slaked lime
15. The metal salt A is blue in colour. When the salt A is heated strongly over a burner, then a substance B present in it is eliminated and white powder C is left behind. When a few drops of liquid D are added to powder C, it becomes blue again.
 - i. Identify A, B, C, D
 - ii. Write the chemical equation involved
 - iii. Give another example of a salt which shows same property
16. Draw ray diagrams for the image formation by convex and concave lens and convex and concave mirror when object is kept at different distances.
17. We wish to obtain an erect image of an object, using a concave mirror of focal length 15 cm. What should be the range of distance of the object from the mirror? What is the nature of the image? Is the image larger or smaller than the object? Draw a ray diagram to show the image formation in this case.
18. Solve 20 numerical from light chapter in rough note book.
19. Complete the text book exercises of chapter –our environment.
20. Learn and Practice all the work done in class.

Maths

1. Practise Pre mid question paper again.
2. Write all the algebraic identities learnt in class IX, X.
3. Practise five questions of Graph of linear equations.
4. Practise Ex 1.1 of NCERT
5. Practise ex 2.3, Ex 2.4 from NCERT.
6. Practise five word problems based on upstream and down stream.
7. Write all theorems of lines angles, triangles from NCERT class IX.
8. Practise Ex 3.5, 3.6, 3.7 from NCERT.
9. Practise Ex 14.2.
10. Practise Ex 4.3 from NCERT.

Computer

- Design a presentation on GSAT & COMMUNICATON