

DAV POLICE PUBLIC SCHOOL

POLICE LINES JHAJJAR

HOLIDAYS HOMEWORK-VI

ENGLISH

Theme: Ek Bharat Shreshtha Bharat – Exploring Haryana & Gujarat

Let's celebrate unity in diversity by learning about two culturally rich states: Haryana and Gujarat :while revising our English syllabus!

1. Explore and Learn: Culture, Language & Cuisine

- What is the literal meaning of "Haryana"?
- Paste the map of India in your scrapbook. Locate and highlight Haryana and Gujarat.
- Write 3 interesting facts about each state.
- Mention the state animal and state bird of both states.
- Write the names of 2 famous dishes from each state.
Example:
 - Haryana – Bajra Khichdi, Bathua Raita
 - Gujarat - ?

2. Speaking Skills: Record and Reflect

- Prepare a 1-minute speech on "My Dream Vacation to Haryana or Manipur" and record it (audio/video). Mention places, food, culture, and what excites you the most.
- Speak for 1 minute on "The Importance of Education" using key phrases and correct grammar.

3. Grammar Worksheet

- Verbs (Regular & Irregular) – List 10 regular and 10 irregular verbs. Use each in a sentence.
- Write and learn 50 verbs and their forms.
- Write atleast 10 part of speech from chapter 1and 2 of literature.

4. Literature Reader Tasks

Pick any one of the following:

- "How Daddy Decided What He Wanted to Be"
- "The White Elephant"
- "Leisure" (Poem)

Choose an activity:

- Write a comic strip based on the story/poem with dialogues and illustrations.
- Rewrite the story in your own words and add a new ending.
- Create a picture story or flipbook.

5. Reader Book Activity (Unit 1 – Celebrations)

- Design an invitation card for a celebration that includes elements from both Haryana and Manipur – food, music, dance, traditional clothes, etc.

6. Bonus Creative Task

- Design a two-page scrapbook or a mini booklet titled “Unity in Diversity – Haryana and Gujarat.

Include:

- Pictures (draw or paste)
- Short poems or slogans
- Your reflections on what you learnt.

HINDI

1. निम्न विषयों पर असाईमेंट फाइल तैयार करें: सूचना, पत्र (औपचारिक - अनौपचारिक), ई-मेल, अनुच्छेद, विज्ञापन, संदेश।
2. अभ्यास सागर - पाठ 1 से 15 तक अभ्यास सागर में (पुस्तक) में लिखें।
3. ज्ञान सागर पाठ 1 से 6 तक याद करें।
4. व्याकरण में वाक्य रचना, क्रिया विशेषण, कारक, समास, संधि, क्रिया, तथा इनके भेदों को लिखें तथा याद करें।
5. 10 मुहावरे लिखकर अर्थ सहित वाक्य में प्रयोग करें।
6. ग्रीष्मकालीन अवकाश दिनचर्या के बारे में 2 पेज लिखें।

MATHS

Chapters Covered:

- 1. Natural Numbers and Whole Numbers
- 2. Multiples and Factors
- 3. Integers

Section A: Natural Numbers and Whole Numbers

1. Define natural and whole numbers with examples.
2. Write all natural, prime and composite numbers between 100 and 200.
3. Write all prime numbers between 0 and 50.
4. What is the successor of 199999?
5. What is the predecessor of 200000?
6. Is 0 a natural number? Why or why not?

7. Write the smallest 4-digit natural number.
8. Write the greatest 3-digit whole number.
9. Arrange in ascending order: 49375, 28173, 89239, 10392, 59226
10. Write the Roman numerals for: 49, 99, 175, 244

Section B: Multiples and Factors

11. Write first 10 multiples of 6.
12. List all factors of 36.
13. Find the HCF of 18 and 24.
14. Find the LCM of 5 and 7.
15. Is 91 a prime number? Give reason.
16. List all prime numbers between 50 and 100.
17. What is a co-prime number? Give 2 examples.
18. Find common multiples of 4 and 6.
19. Write all even factors of 60.
20. How many factors does 24 have? List them.

Section C: Integers

21. Write integers between -5 and 5.
22. Add: $(-37) + 41$
23. Subtract: $95 - (-22)$
24. Multiply: $(-69) \times 3$
25. Divide: $(-152) \div 9$
26. Which is greater: -3 or -5?
27. Arrange in ascending order: -2, 0, -6, 4, -1
28. Represent -5 to 5 on a number line.
29. Find: $(-44) + (-17) + 31$
30. Simplify: $62 + (-28) - (-54)$

Section D: Word Problems (Decimals)

31. A packet of sugar weighs 12.5 kg. What is the weight of 4 such packets?
32. A rope is 12.6 meters long. It is cut into 3 equal parts. What is the length of each part?
33. A car covers 150.75 km in a day. How much distance will it cover in 5 days?
34. Riya bought 3.25 meters of cloth. She used 2.5 meters. How much cloth is left?
35. A water tank has 98.5 liters of water. If 12.75 liters are used, how much is left?

Section E: Additional Mixed Questions

36. Add: $35.6 + 94.2$
37. Subtract: $798.57 - 262.89$
38. Multiply: 29.42×36.59
39. Divide: $9886.32 \div 0.9$
40. Round off 27.85 to the nearest whole number.

41. Write in decimal: $\frac{33}{8}$
42. Convert 1.25 to fraction.
43. Which is greater: 0.9 or 0.89?
44. Solve: $(5.5 + 2.2) - 3.1$
45. What is the product of 0.12 and 0.24?

SCIENCE

A. Fill in the blanks.

1. Living organisms i.e. plants, animals and humans form the ——— environment.
2. Green plants which prepare their food are called ———— or ————.
3. Fungi and bacteria help in a process called ———— of minerals.
4. ———— materials cannot be broken down into simpler substances by microorganisms.
5. Formation of compost with the help of various worms like red worms and ——— is called ———.

B. Write True or False for the following statements.

1. Microorganisms can decompose non- biodegradable materials.
2. Herbivores feed only on plants and are called primary consumers.
3. Morning Glory flowers bloom at sunset and close down at sunrise.
4. Buffaloes can tolerate hot weather better than cows.
5. Grass —→ deer —→ lion is a terrestrial food chain.

C. Define

- a) Mixture b) Molecule c) Element d) Pure Substance e) Distillation

D. Answer the following in brief.

1. Write the meaning of the term 'decomposers'.
2. Explain the process of 'Photosynthesis' briefly.
3. Explain a food chain with the help of a suitable example.
4. Write four ways by which water wastage can be brought down.
5. How are scavengers helping in cleaning the environment?

E. Answer the following questions.

1. Differentiate between
 - a) Herbivores and Carnivores

b) Biodegradable and Non-biodegradable

c) Biotic and Abiotic components

2. Explain the process of recycling of minerals.

3. How can camels live without water for many days?

4. Give one difference between autotrophs and heterotrophs with the help of suitable examples.

5. How is the balance between oxygen and carbon-dioxide maintained in the atmosphere?

6. How does vermicomposting benefit the environment? Explain.

F.Choose the correct answer from the given options.

1. Pick a nocturnal animal from the following

a. Sparrow b. Parrot c. Owl d. Tiger

2. It is very important for garbage management that

a. Biodegradable and non- biodegradable waste is segregated at home.

b. Proper importance is given to reuse of articles.

c. Recycling is done

d. All of these

3. Anuja noticed her potted plant was not looking healthy. She put three earthworms

Into the pot. After a few days she noticed that her plant was looking healthier. What

could be the possible reason for this change?

a. The earthworms helped the plant to take in water.

b. The earthworms ate up the pests in the soil.

c. The earthworms allowed the plants to make food faster.

d. The earthworms increased the air and nutrient contents of the soil.

4. This flower always faces the east in the morning but turns towards the west in the evening.

a. Petunia b. Rosec. Sunflower d. Primrose

5. Snail, tuna, dolphin and plankton (form) are a part of

a. Food web b. Terrestrial food chain c. Aquatic food chain d. None of above

6. Humans, bears and pigs belong to this category

a. Secondary consumers b. Omnivores c. Herbivores d. Decomposers

7. Which of the following is a scavenger?

a. Jackal b. Vulture c. Kite d. All of above

8. Rain-water harvesting is helpful in

a. Supplementing a city's water requirement

b. Raise the underground water level & increase greenery in the area

c. Make underground water dirty

d. Both a & b

9. Which of these is biodegradable?

a. Cloth b. Plastic c. Aluminium foil d. Bricks

10. Which of these is not used during photosynthesis?

a. Water b. Sunlight c. Oxygen d. Chlorophyll

11. Riya bought some vegetables such as French beans, lady's finger, green chillies, brinjals and potatoes all mixed in a bag. Which of the following methods of separation would be most appropriate for her to separate them?

(a) Winnowing (b) Sieving (c) Threshing (d) Hand picking

12. Akshay's grandmother is suffering from diabetes. Her doctor advised her to take 'Lassi' with less fat content. Which of the following methods would be most appropriate for Akshay to prepare it?

(a) Filtration (b) Decantation (c) Churning (d) Winnowing

13. Which of the following mixtures would you be able to separate using the method of filtration?

(a) Oil in water (b) Cornflakes in milk (c) Salt in water (d) Sugar in milk

15. Which amongst the following methods would be most appropriate to separate grains from bundles of stalks?

(a) Hand picking (b) Winnowing (c) Sieving (d) Threshing

G. Answer the following questions:

a) You are provided with a mixture of salt, sand, oil and water. Write the steps involved for the separation of salt, sand and oil from the mixture by giving an activity along with the diagram.

b) Name and describe briefly a method which can be helpful in separating a mixture of husk from grains. What is the principle of this method?

H. Prepare a model from first 5 chapters.

SOCIAL SCIENCE

1. What is constellation?
2. What is a galaxy? What is the name of our galaxy?
3. What are dwarf planets?
4. What do you mean by Polaris?
5. Write any three differences between a planet and a star.
6. Which gases are found in the sun?
7. What is ISRO?
8. When was Mars orbiter mission launched by India?
9. Who was Christopher Columbus?
10. Describe the history of map making.
11. State three main characteristics of parallel of latitudes.
12. What are the three heat zones of the earth? Which heat zone is most suitable for us to live and why?
13. Distinguish between Equator and Prime meridian.
14. What is a grid?
15. What is the difference between IST (Indian standard Time) and GMT (Greenwich mean Time)?
16. Why do we use standard Time?
17. What is carbon dating?
18. What is a time zone? Into how many time zones is the world divided? Name any two countries which have more than one time zone.
19. Distinguish between Paleolithic Mesolithic and Neolithic age with respect to tool occupation and inventions.
20. What did the thick forest provide to the people of Indus valley?
21. What is civilization?
22. Why did the early civilization developed on the river banks?

23. Creative Work

1. Prepare a model (working or static) of the solar system.(Roll number 1 to 10)
2. Showing different Phases of moon (11 to 20)
3. How day, night and seasons occur, rotation and revolution of Earth (21 to above)
4. Prepare for clay seals using Potter's clay by engraving or carving on them- like an animal, a flower, tree and the national emblem of India.

24. Map skill

1. Locate all the states on a political map of India.
2. Locate all the continents and oceans on a political map of world
(take help from page number 38 and 42 in book)

3. Locate the given countries on a political map of world. (page number 49)

India, Pakistan, Afghanistan, Tajikistan, Kyrgyzstan, Iran, Iraq, Turkey, Saudi Arab, Kazakhstan, China, Mongolia, Russia, Japan, North Korea, South Korea, Myanmar, Sumatra, Sri Lanka)

25. Travel accounts

Visit any two historical places during your holidays and write down your experience on A4 sheet. You can paste picture also.

SANSKRIT

- 1 ह्रस्व स्वर लिखे व याद करें।
- 2 दीर्घ स्वर लिखिए व याद करें।
- 3 स्पर्श व्यंजन लिखिए व याद करें।
- 4 अंतःस्थ व्यंजन लिखें।
- 5 ऊष्म व्यंजन लिखें।
- 6 वर्ण विन्यासम कुर्वन्तु।

अतः, अथवा, अपि, एव, पुरा, आम् ।

- 7 उचितं पर्याय-पदं चित्वा लिखन्तु-

(i) विद्यालयः ---

(ii) सुन्दरः ---

(iii) प्रतिदिनं ---

(iv) क्रीडाङ्गणे ---

(v) सम्मानं-----

8 पाठं पठित्वा लिखन्तु 'आम्' अथवा 'न'-

(i) किं मम विद्यालयः सुन्दरः अस्ति ?

(ii) किं मम विद्यालयः विशालः अपि अस्ति ?

(iii) किम् अहं प्रतिदिनं विद्यालयं गच्छामि ?

(iv) किम् अहं गीतं लिखामि ?

(v) किम् अहं मित्रैः सह क्रीडामि ?

(vi) किम् अस्माकम् अध्यापकाः स्नेहेन पाठयन्ति ?

9 बालक (पुल्लिंग) रूप लिखे व याद करें।

10 बालिका (स्त्रीलिंग) रूप लिखे व याद करें।

11 मधुराः श्लोका (पाठ 4) से 4 श्लोक हिंदी सहित लिखें।

12 (वद धातु) लट् लकार और लृट् लकार में लिखे।

13 (चल् धातु) लट् लकार और लृट् लकार में लिखे।

14 सभी स्वर वर्णों की मात्राएं लिखें।

15 गायत्री मंत्र लिखे व याद करें।

16 (1-50) संस्कृत में गिनती लिखे।

17 रिक्त स्थान भरे ।

----- विद्यालयः अस्ति।

एषः-- विद्यालयः अस्ति।

मम विद्यालयः ----- अस्ति।

मम विद्यालयः ----- अपि अस्ति।

अहं प्रतिदिनं----- गच्छामि।

अहं विद्यालये ---पाठं पठामि।

अहं विद्यालये प्रतिदिनं --- अपि लिखामि।

विद्यालये मम ----- मित्राणि सन्ति।

18 उचितं विपरीतं पदं लिखन्तु-

(i) दूरम् ---

(ii)सायङ्कालः----

(iii)प्रसन्नाः ----

(iv)सुखेन ---

(v)मुक्तः ----

19 A4 साइज सीट पर फलों के चित्र बनाकर हिंदी सहित लिखें।

20 A4 साइज सीट पर (1-30) संस्कृत में गिनती लिखें।