

S.F.D.A.V. Public School, Muzaffarnagar
Holiday Homework 2018-19
Class-X

Subject-English

- Q1. Write point wise summary of following chapters in a separate notebook.[Each summary must be in 30-40 points].
(i) Two gentlemen of Verona (ii) Mrs. Packletide's tiger (iii) The Letter
- Q2. Write one paragraph about the theme of each poem.
(i) The Frog and the Nightingale (ii) Not Marble, Nor the gilded monuments
- Q3. Write a story in 200-250 words reflecting the theme 'Strength of Truth'.

Subject-Biology

1. Pot a medicinal plant and write its uses.
2. Make a collage by collecting biodegradable articles on IMPORTANCE OF FORESTS.
3. What is Recycling? Make picture of 10 goods that can be recycled. What do think "BAN ON PLASTICS" or "BAN ON POLYETHENE" is a good initiative for keeping our environment clean? Support your answer by giving atleast 4 facts.

Subject-Social Science

- Q1. Which country is believed to be the original home of the cotton plant?
- Q2. In which region was cultivation of coffee introduced in India initially?
- Q3. What is Leguminous Crops?
- Q4. Identify the places where apricot and walnut are produced in India?
- Q5. Briefly discuss the cultivation of oil seed in India?
- Q6. Discuss the challenges now agricultural faces in India?
- Q7. Give a brief discussion of pulses cultivation in India.
- Q8. Which soil is well known for its capacity to hold moisture?
- Q9. What is leaching? Which soil is developed due to it?
- Q10. How gross cropped area is different from net sown area?
- Q11. What is the importance of Brundtland Commission Report?
- Q12. Write down different methods of the checking soil erosion?
- Q13. Name any two countries with which Belgium has borders.
- Q14. When did Belgium gain Independence?
- Q15. Which system of power sharing is called checks and balances?
- Q16. In which list do education, forest and marriages fall.
- Q17. How many languages are spoken in India?
- Q18. Who is a Mayor? Name two cities which have a municipal corporation?
- Q19. On which Amendment of the constitution is the Panchayat Raj system in India based?
- Q20. What do you mean by residuary power?
- Q21. Give brief idea about GDP?
- Q22. Name one source from which you can get data for employment and unemployment in India?
- Q23. Why is per capita income counted in dollar rather than our rupee.
- Q24. Mention one single major reason for more dropout ratio in Bihar.
- Q25. Who was the writer of the 'The Folklore of Southern India'.
- Q26. Who announced a vague offer of ' Dominion status' for India in 1929.
- Q27. Who was known as ' Lion of Punjab'.
- Q28. Who was known as ' Frontier Gandhi'?
- Q29. Who was the leader of militant Guerrilla movement in Gudem hills?
- Q30. Why was the Kheda Satyagraha launched by Gandhiji.
- Q31. Mark and locate the following on the given map of India.
(i) Jallianwalla Bagh Massacre.
(ii) A place associated with the cotton mill works Satyagraha.
(iii) A place associated with ' no tax campaign'.
(iv) A place where the congress session was held in 1919.
(v) A place where the congress session was held in 1920.
(vi) A place where the congress session was held in 1929.
(vii) The place where the non-corporation movement was called off in 1922.

Subject-Physics

1. Make a list of the electrical appliances used in your home with their rating.
Note down the meter reading of your home daily for one week. Observe the Units consumed on daily basis and calculate the amount in rupees.
2. Make a table with 5 electrical appliances used in your home in one column, Their power, voltage rating and approximation time for which is used one day in the other column.
3. Explain why is it dangerous to put the fuse in neutral wire?
4. Draw a labeled diagram of an electric motor. Explain its principle and working. What is the function of a split ring in an electric motor and list some devices in which electric motor is used.

Subject-Chemistry

1. Describe what is Corrosion? What harms does it cause to goods of daily use? Make a list of goods that are corroded Search for the cause of corrosion Explore and write methods to prevent corrosion
2. What are natural indicators? Design an activity to differentiate between acid(lemon juice or vinegar) and base(detergent) using turmeric and onion odoured strips Record your observations . Tabulate your conclusion
3. Note down any 10 symbols of elements from the periodic table randomly.
4. Make three meaningful words from them (for eg. Be NiCe) Write their atomic numbers and electronic configurations Also show distribution of electrons in them

Subject-Maths

- Q1. Using Euclid's division algorithm find which of the following pairs of numbers are co-prime
(i) 231,396 (ii) 847,2160
- Q2. Show that $\frac{1}{\sqrt{3}}$ is an irrational number.
- Q3. Find all the zeroes of polynomial $2x^4-5x^3-12x^2+11x-2$. If two of its zeroes are $2+\sqrt{3}$ and $2-\sqrt{3}$
- Q4. Find the zeroes of the polynomial $2x^3+5x^2-9x-18$ if it is given that the product of its two zeroes is -3
- Q5. Solve the equation graphically $2x-3y-4=0$
 $x-y-1=0$
- Q6. The students of a class are made to stand in rows. If 3 students are extra in a row , there would be 1 row less , if 3 students are less in a row ; there would be 2 rows more. Find the number of students in the class.
- Q7. Solve by substitution method. $x-\frac{y}{2}=3$
 $\frac{x}{2}-\frac{2y}{3}=\frac{2}{3}$
- Q8. See the videos related to proof of theorems based on triangle. Solve questions based on each theorem.

Select the correct alternative from the alternatives given against each of the following (1 - 9):

1. In Fig. 4.34, $DE \parallel BC$ and all lengths are given in cm. The length of AE is

- (A) 2.4 cm (B) 3.2 cm
(C) 4.8 cm (D) 1.2 cm

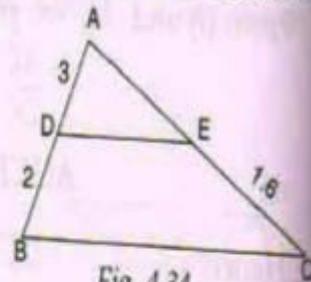


Fig. 4.34.

2. In Fig. 4.35, $DE \parallel BC$, then x is equal to

- (A) 2.5 cm (B) 2 cm
(C) 1.4 cm (D) 4 cm

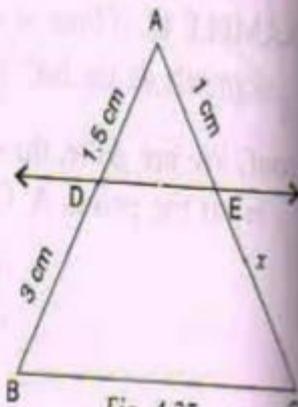


Fig. 4.35.

3. In Fig. 4.36, $DE \parallel BC$ and all lengths are given in cm. The length of CE is

- (A) 2.9 cm (B) 4.25 cm
(C) 4.65 cm (D) 3.25 cm

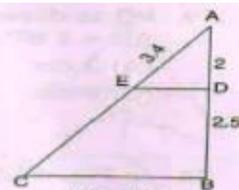


Fig. 4.36.

4. In Fig. 4.37, if $DE \parallel BC$ then x equals

- (A) 6 cm (B) 7 cm
(C) 3 cm (D) 4 cm

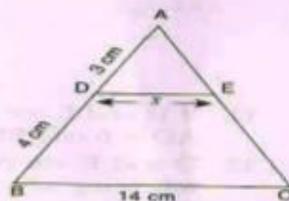


Fig. 4.37.

5. In Fig. 4.38, if $DE \parallel BC$, then x equals

- (A) 6 cm (B) 8 cm
(C) 10 cm (D) 12.5 cm

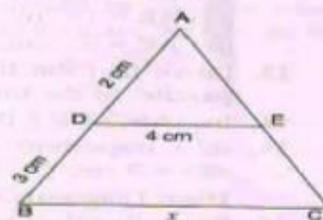


Fig. 4.38.

6. In Fig. 4.39, $AB \parallel DC$ and $PQ \parallel AB$. If the lengths are given in cm, then QC is

- (A) 5.7 cm (B) 75 cm
(C) 7.5 cm (D) 0.75 cm

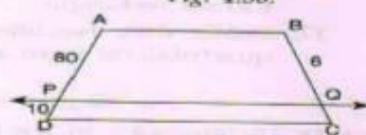


Fig. 4.39.

7. In Fig. 4.40, $DE \parallel BC$. If $AD = 2.4$ cm, $DB = 3.6$ cm and $AC = 5$ cm, then AE is

- (A) 3.3 cm (B) 2 cm
(C) 7.5 cm (D) 1.728 cm

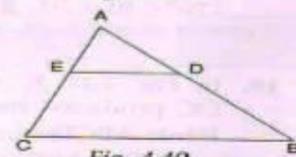


Fig. 4.40.

8. In Fig. 4.41, $DE \parallel BC$. If $AB = 5.6$ cm, $AD = 1.6$ cm, then $AE : EC$ is
 (A) 2 : 5 (B) 5 : 2
 (C) 2 : 7 (D) 7 : 2

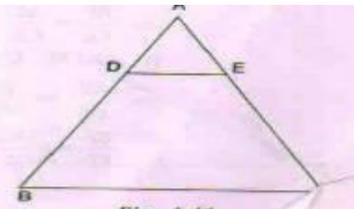


Fig. 4.41.

9. PQ is drawn parallel to the base BC of a ΔABC cutting AB at P and AC at Q. If $AB = 4 BP$ and $CQ = 2$ cm then AQ is equal to
 (A) 2 cm (B) 4 cm
 (C) 6 cm (D) 8 cm

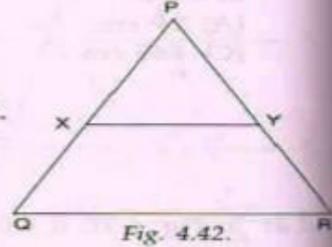


Fig. 4.42.

10. In Fig. 4.42, $XY \parallel QR$, $\frac{PQ}{XQ} = \frac{7}{3}$ and $PR = 6.3$ cm. Find YR.

Video Link

- https://www.youtube.com/watch?v=NhSetCrK_5k
<https://www.youtube.com/watch?v=pd331nTd-gE>
<https://www.youtube.com/watch?v=DUiJ2cuf1xM>
<https://www.youtube.com/watch?v=UY0e2duH0GY>

Subject-Hindi

प्र० निम्नलिखित विषयों पर संकेत बिन्दुओं के आधार पर निबंध लिखें-

क. जल संरक्षण:

संकेत बिंदु- जल का महत्व, जल का अपव्यय, जल प्रदूषण, संरक्षण के प्रयास

ख. भारतीय संस्कृति :

संकेत बिंदु- संस्कृति का अर्थ, विश्व की प्राचीनतम संस्कृति, भारतीय संस्कृति की विशेषताएँ, संस्कृति के प्रति हमारा कर्तव्य

Subject-Drawing

- Q1. (Draw & Colour) a poster making on dignity of labour (Size A3)