

English

- i) It is said that if you educate a woman you educate the whole family. Write an article about the importance of 'Women education' for the family and society in about 100-120 words. [5]
- ii) Today you had been to the market. You were stunned to see an accident due to rash driving of a teenage boy driving a big car. The accident took place in the middle of the market. Write a diary entry in about 100-120 words about what you feel at this growing teenaged driving and growing number of accidents. [5]
- iii) Read below the beginning of a story. Complete it by using your imagination in about 100-120 words. [5]
- (One day while I was returning from the school, I saw a huge crowd on the middle of the road. I rushed towards the crowd and shocked to see-----
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- iv) Write a self-framed Nature Poem. [5]
- v) Write a critical appreciation of the poem 'The Brook'. [5]

Hindi

- i) आपके विद्यालय की फुटबॉल टीम पिछले माह ग्वालियर के प्रतिष्ठित स्कूल से मैच जीत कर लौटी है। टीम के कैप्टन के रूप में आप प्रधानाध्यापिका को प्रतिवेदन तैयार करके दीजिए। [10]
- ii) दिल्ली परिवहन निगम के क्षेत्रीय प्रबंधक को पत्र लिखकर निगम के चालक की दिलेरी और कर्तव्यनिष्ठा की प्रशंसा कीजिए। [10]
- iii) विग्रह कर समास का नाम लिखें- [5]
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| a. गृहागत | f. मार्गव्यय |
| b. मरणासन्न | g. क्रीडाक्षेत्र |
| c. अकालपीडित | h. लोकसभा |
| d. आपबीती | i. देशार्पण |
| e. गुणयुक्त | j. गौशाला |

Maths

- i) Find 4 rational numbers between $3/5$ and $2/3$. [1]
- ii) The polynomials (ax^3+3x^2-3) and $(2x^3-5x+a)$ when divided by $(x-4)$ leaves the same remainder. Find the value of a. [3]
- iii) Find the values of a and b so that the polynomial (x^3-10x^2+ax+b) is exactly divisible by $(x-1)$ and $(x-2)$ [3]
- iv) Rationalise the denominator of $5\sqrt{3} - 4\sqrt{2} / 4\sqrt{3} + 3\sqrt{2}$ [3]
- v) Represent $\sqrt{7.48}$ on the real line. [3]
- vi) If $x = 1/(2-\sqrt{3})$, show that the value of $(x^3-2x^2 - 7x+5)$ is 3. [3]
- vii) If $x = (5+2\sqrt{6})$, show that $(\sqrt{x} + 1/\sqrt{x}) = \pm 2\sqrt{3}$ [3]
- viii) $\sqrt{2} + \sqrt{3} / 3\sqrt{2} - 2\sqrt{3} = (a + b\sqrt{6})$, find the values of a and b. [3]
- ix) If $x = \sqrt{3} + \sqrt{2} / \sqrt{3} - \sqrt{2}$ and $y = \sqrt{3} - \sqrt{2} / \sqrt{3} + \sqrt{2}$, find $(x + y)$ [3]

Science

Physics

- i) What is the numerical ratio of average velocity to average speed of an object when it is moving along a straight path? [1]
- ii) If the displacement-time graph for a particle is parallel to the time axis, how much is the velocity of the particle? [1]
- iii) An object starting from rest travels 20 m in first 2 s and 160 m in next 4 s. What will be the velocity after 7 s from the start? [2]
- iv) A bus starts from rest and moves with a uniform acceleration of 1m/s^2 for 5 minutes. [2]
- v) Calculate (i) the speed acquired (ii) the distance travelled by the bus.
- vi) Draw velocity-time graph for an uniformly accelerated object. Using velocity-time graph, derive $v^2-u^2=2as$. [3]

Chemistry

- i) What is common among the three states of matter? [1]
- ii) Why do diffusion become faster at higher temperatures? [1]
- iii) Give reasons for the following : [2]
- a) Why does ice float on water?
- b) A sponge is a solid but can be easily compressed.
- iv) Explain the application of compressibility in gases with an example. [2]
- v) Define : [2]
- a) Brownian motion b) Density

Biology

- i) State cell theory. Name the scientist who presented it. [2]
- ii) What is plasmolysis? Give one example. [2]
- iii) How do substances like CO₂ and water move in and out of cell? [2]
- iv) How can plant cell withstand much greater changes in the surrounding medium than the animal cell? [2]

Social Science

History

Answer the following questions:-

- i) When did France become a Republic? [1]
- ii) Which period of France's history is known as 'The Reign of Terror'? [1]
- iii) Explain the role of thinkers & philosophers in the French Revolution [3]

OR

What were the salient features of Robespierre's government?

- iv) Describe the importance of the declaration of the Rights of Man and citizens in France. [3]

OR

What did the revolutionary government do to improve the condition of woman in France?

Civics

Answer the following :-

- i) What is La Moneda? [1]
- ii) Who was leader of the military coup in Chile? [1]
- iii) How was democracy restored in Chile? [3]

OR

Mention some features of democracy.

OR

What does 'one person, one vote, one value' mean? Name the countries where citizens do not enjoy right to vote.

Geography

- i) Which continents of today were part of the Gondwana land? [1]
- ii) Name the outer most range of the Himalaya. [1]
- iii) Which one is the longest range of Himachal Himalaya? [1]

- iv) What is the name of eastern most part of the Himalaya? [1]
v) What are the characteristics Shiwaliks? [3]

Economics

- i) What is the aim of production? [1]
ii) Name the basic constraint in raising farm production. [1]
iii) Modern farming methods require more inputs which are manufactured in industry. Do you agree? [3]

Sanskrit

- i) शब्दरूप लिखत । [5]
(क) देव अथवा लता
- ii) रिक्त स्थानानि पूर्यत । [10]
(क) बालकात् _____
(ख) कविम् _____
(ग) गुरुः _____
(घ) _____ मतिषु
(ङ) नद्याः _____
- iii) वर्णान् संयोज्य रिक्तस्थानं पूर्यत । [5]
(क) द् + व् + आ + र् + इ + क् + आ -
(ख) उ + ज् + ज् + व् + अ + ल् + अ -
(ग) ग् + र् + आ + म् + अ + म् -
(घ) ह् + इ + म् + अ -
(ङ) आ + ल् + अ + य् + अः -
- iv) उचितैः धातुरुपैः रिक्तस्थानानि पूर्यत । [5]
(क) सः नायकः _____ । (अस् - लङ्)
(ख) गायिका गीतानि _____ । (गै - लट्)
(ग) वयम् किम् _____ । (दा - लृट्)
(घ) ते कुत्र _____ । (वस् - लृट्)
(ङ) ताः बालिकाः _____ । (नृत् - लट्)

Computer

Make a project on "Various Input, Output and Storage Devices" on A4 size sheets. [25]
