

Class : X

SUBJECT: ENGLISH

1. Your school is planning to organize a music competition next month on the occasion of World Music Day. You are Sunil Raj/ Saanvi Raj, the Activity In charge of Republic School, Dwarka, Delhi. You require certain musical instruments for the smooth running of the event. Write a letter to the Store Manager, M/s. Sargam Instruments, Dwarka, Delhi, placing order for the specific instruments required by you.
2. Answer the following with reference to the context:
 - A. "I think I could turn and live with animals, they are
So placid and self – contained,
I stand and look at them long and long".
 - (i) What is the poet's wish?
 - (ii) How do the animals appear to the poet?
 - (iii) Whom does 'I' refer to in the extract?
 - B. "Kisa Gotami became weary and hopeless, and sat down at the wayside watching the lights of the city, as they flickered up and were extinguished again. At last the darkness of the night reigned everywhere".
 - (i) Why do you think Kisa Gotami became weary and hopeless?
 - (ii) What did she notice while sitting at the wayside?
 - (iii) What message did she get from the flickering and extinguishing lights of the city?
3. Very short answer type:
 - (i) What is the theme of the poem Amanda?
 - (ii) Why did Madame Loisel go to visit her friend Madame Forestier?
 - (iii) Who was Oliver Lutkins?
 - (iv) What was Valli's favourite pass time?
 - (v) Where did Lord Buddha preach his first sermon?

SUBJECT: HINDI

दिए गए सभी प्रश्नों के उत्तर कम से कम 40 से 50 शब्दों में लिखें।

- प्र1. बेटा, अभी सयानी नहीं थी— में माँ की चिंता क्या है? 'कन्यादान' कविता के आधार पर लिखिए।
- प्र2. नवाब साहब द्वारा खीरा काटने की तैयारी करने का एक चित्र प्रस्तुत किया गया है इस पूरी प्रक्रिया को अपने शब्दों में व्यक्त कीजिए।
- प्र3. 'जितेन नार्गे' गाइड की भूमिका के बारे में विचार करते हुए बताइए कि एक कुशल गाइड में क्या-क्या गुण होते हैं?
- प्र4. 'माता का अंचल' पाठ में माता-पिता का बच्चों के प्रति जो वात्सल्य व्यक्त हुआ है, उसे अपने शब्दों में लिखिए।

प्र5. 'नई दिल्ली में सब था, सिर्फ नाक नहीं थी।' इस कथन के माध्यम से लेखक क्या कहना चाहता है?

SUBJECT: MATHEMATICS

1. Find 41st term of an A.P. whose 13th term is 79 and 26th term is 157.
2. For what value of n , are the n th terms of two AP's: 15, 12, 9..... and -15, -13, -11... equal?
3. Find the value(s) of K for which the quadratic equation $(K + 4)x^2 + (K + 1)x + 1 = 0$ has equal roots.
4. Find the roots of quadratic equation $3x^2 - 2\sqrt{6}x + 2 = 0$.
5. Find the sum of the first 15 multiples of 8.
6. Find the angle of elevation of the sun when the length of the shadow of a pole is $\sqrt{3}$ times the height of the pole.
7. A minar A casts a shadow 150m long at the same time when a minar B casts a shadow 120m long on the ground. If the height of the minar B is 80m, find the height of minar A.
8. Do the following in lab activity book.
1.7 : Arithmetic Progression III

SUBJECT: SCIENCE

Chemistry

1. Define the following term:
(a) Atomic Size
(b) Ionisation Energy
(c) Electronegativity
(d) Valency
Also explain how they vary when we are moving from left to right across a period and top to bottom in a group?
2. An element M having atomic no 20 write the position of the element in Modern periodic table? Also write the valency. What is the formula of Sulphate, Chloride and phosphate of M.
3. Define Isomers. Draw the structure of all the isomers of Pentane. Also write their IUPAC name.

Biology

1. **A student observed a permanent slide showing asexual reproduction in Hydra. Draw labeled diagram in proper sequence of the observations that must have been made by the student. Name the process of reproduction also.**
2. Name the plant Mendel used for his experiment. What type of progeny was obtained by Mendel in F1 and F2 generations when he crossed the tall and short plants? Write the ratio he obtained in F2 generation plants.

Physics

1. A current of 1 ampere flows in a series circuit containing an electric lamp and a conductor of 5Ω when connected to a 10 V battery. Calculate the resistance of the electric lamp.

Now if a resistance of 10Ω is connected in parallel with this Series combination, what change (if any) in current flowing through 5Ω conductor and potential difference across the lamp will take place? Give reason.

2. What does the direction of thumb indicate in the right-hand thumb rule. In what way this rule is different from Fleming's left-hand rule?

SUBJECT: SOCIAL SCIENCE

History

1. What was the outcome of the Congress session at Nagpur in 1920?
2. Examine the significance of the Non- Cooperation Movement. (3 points)
3. Describe the cultural processes through which nationalism captured people's imagination. (5 points)

Civics:

1. List the factors on which economic development depends.
2. Discuss the political, economic and social outcomes that we can expect of democracy.

Geography

1. Classify the industries on the basis of raw materials.
2. Which seaport of India is located at the entrance of a lagoon?
3. What are the challenges faced by the sugar industry?
4. Explain how the physiography of India has influenced the distribution pattern of the Railway network.

Economics

1. Can you think of some examples of goods and services being exchanged or wages being paid through barter?
2. Why are demand deposits considered as money?
3. How will the import of steel from India into the Chinese market lead to Integration of markets for steel in the two countries? Explain in detail.

SUBJECT: SANSKRIT

1 अनुवादं कुरुत ।

- I. हमारे विद्यालय में वार्षिकोत्सव है ।
- II. विद्या के बिना जीवन व्यर्थ है ।
- III. हमसब दिल्ली जाएँगे ।
- IV. वे सब गेंद से खेलते हैं ।
- V. कल बारिश हुई ।

2 परियोजनाकार्यम्

व्यायामस्य पञ्च आसनानानां चित्रनिर्माणं कृत्वा चत्वारः श्लोकाः लिखत । (पाठ-3)
(परियोजना-कार्य चार्ट पेपर में करें।)

