OXFORD PUBLIC SCHOOL, RANCHI
SUMMER HOLIDAY HOMEWORK (2019-20)
CLASS-X

SUBJECT-ENGLISH

1. Complete the story in 200-250 words with an appropriate heading.
   'It was raining heavily, the street lights had gone off and I was returning…… '

2. Write a story in 200-250 words based on the input given below.
   Travelling in a metro- tunnel- lights went out- general panic- pushing and shoving- screams- phone flashlights switched on- an old man………

3. Modern Gadgets have made us slaves to machines and we have become totally dependent on it. Write an article on this topic in 100-120 words. You are Priti/ Prakash of 43/A, Race Course Road, Kolkata.

4. International Women's Day is celebrated on 8th March every year. Draft an article highlighting the atrocities against women and how women can play a more active role in the betterment of the society.

Editing Exercises

	Error	Correction
5. Neil Armstrong was the commander of Apollo 11. He was the first to walk over	a)_____	_____
the moon. What many people did not knew	b)_____	_____
is that, unlike most of their fellow	c)_____	_____
astronauts he was the civilian and not part of the military.	d)_____	_____

	Error	Correction
6. The Gir National Park, also known as Gir Wild Life Sanctuary, is situated in the state of Gujarat. It was	a)_____	_____
one among the major wild life sanctuaries to North India.	b)_____	_____
It was establishment on 18th September, 1965	c)_____	_____
as a forest reserve primary to conserve the Asiatic Lion.	d)_____	_____

	Error	Correction
7. According to tradition Gautama Buddha sat in meditation in the Bodhi tree at	a)_____	_____
Bodh Gaya. Unfortunately an original tree	b)_____	_____
has disappeared and is replace	c) _____	_____
through a successor – the Peepal tree.	d)_____	_____

8. **Rearranging**
   a) to/very/deforestation/can/to be/prove/damaging/Mother Earth
   b) should/individual/his/each/a/on/plant/tree/birthday
   c) must/we/live/that/we/understand/trees/cannot/without
   d) if/we/to/encourage/we/must/afforestation/the/want/keep/Earth/green
   e) ideal citizen/the nation/an/to/an asset/is
   f) he/his/knows/and/rights/responsibilities
   g) his country/of/he abides/the /by/laws
   h) instrumental /nation/thus/development of /he is/in /the

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SUBJECT-HINDI

निम्नलिखित प्रश्नों के उत्तर दें :–
1. तुलसीदास की प्रमुख रचनाओं का विवरण देते हुए साहित्यिक परिचय दीजिए। (असाइनमेंट शीट में सचित्र लिखिए)
2. विद्यार्थी और अनुशासन पर निबंध लिखिए। (300 शब्दों में)
3. चुनाव में अपव्यय पर अपना विचार व्यक्त करते हुए संपादक के नाम पत्र लिखिए।
4. रचना के आधार पर वाक्य–भेद पाठ पर आधारित प्रश्नों के उत्तर लिखिए।
5. श्रृंगार, वीर, करुण, हास्य, वात्सल्य एवं रौद्र रसों का दो–दो उदाहरण लिखिए।

Note:- For Hindi/Sanskrit download font-' Kruti Dev 010'.

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SUBJECT-MATHEMATICS

1. Use Euclid's algorithm to find the HCF of 272 and 1032.
2. Use Euclid's division lemma, prove that the square of any positive integer is either of the form 3m or (3m+1) for some integer m.
3. Show that any number of the form 6^n, n $\in$N can never end with the digit 0.
4. The traffic lights at three different road crossing change after every 48 sec., 72 sec. and 108 sec. respectively. If they all change simultaneously at 8 a.m. then at what time will they again change simultaneously?
5. Express $0.2\overline{54}$ as fraction in simplest form.
6. Prove that $\sqrt{3}$ is irrational.
7. Prove that $(3+5\sqrt{2})$ is irrational.
8. If one zero of the polynomial $(a^2+9)x^2 +13x + 6a$ is reciprocal of the other, find the value of 'a'.
9. Solve for x and y:
    152x - 378y = -74
    -378x + 152y = -604
10. A train covered a certain distance at a uniform speed. If the train had been 6 km/hr. faster, it could have taken 4 hours less than the scheduled time and if the train were slower by 6 km/hr, it would have taken 6 hours more than the scheduled time. Find the length of the journey.
11. Find the four angles of a cyclic quadrilateral ABCD in which $\angle A = (2X-1)^o$, $\angle B = (y+5)^o$, $\angle C = (2y+15)^o$ and $\angle D = (4X-7)^o$.

Additional 100 question from NCERT Book

12. Exercise 1.1 – Q.1 – (i), (ii), (iii) and Q.2 to 5.
13. Exercise 1.2 – Q.1 – (i) to (v) and Q.2 to 7.
14. Exercise 1.3 – Q.1 to 3.
15. Exercise 1.4 – Q.1 – (i) to (x) and Q2. to 3.
16. Exercise 2.2 – Q.1 – (i) to (vi) and Q.2 – (i) to (vi).
17. Exercise 2.3 – Q.1 – (i) to (iii), Q.2 – (i) to (iii), Q.3 and Q.4.
18. Exercise 2.4 – Q.1 – (i) to (ii) and Q.2 to 5.
19. Exercise 3.3 – Q.1 – (i) to (vi), Q.2, Q.3 – (i) to (vi).
20. Exercise 3.4 – Q.1 – (i) to (iv) and Q.2 (i) to (v).
21. Exercise 3.5 – Q.1 – (i), (ii), Q.3 and Q.4 (i) to (v).
22. Exercise 3.6 – Q.1 – (i) to (viii), Q.2 (i) to (iii).
23. Exercise 3.7 – Q.1 to Q.6, Q.7 – (i) to (v) and Q.8.

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SUBJECT-SCIENCE
PHYSICS

1. Natural phenomena (Light – Reflection and Refraction).
   Questions and answers of NCERT book – (page no. 168, 171, 176, 184, 185, 186).

CHEMISTRY

1. Solve all NCERT exemplar questions of lesson "CHEMICAL REACTIONS AND EQUATIONS".
2. Prepare a project on the topic: 'TYPES OF CHEMICAL REACTION'.

BIOLOGY

1. Complete all short answer type questions of chapter "Life Processes" from NCERT Exemplar book.
2. Differentiate between Stomata and Lenticels.
3. Prepare a project on: 'HUMAN RESPIRATORY SYSTEM', its structure, functions and several disorders.

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SUBJECT-SOCIAL SCIENCE
HISTORY

1. What do you mean by Nationalism? How did the concept of Nation-States develop in Europe?
2. Write a short note about Frederic Sorrieu.
3. Why was Zollverein formed? What were the achievements of Zollverein?
4. Which new social groups emerged during the 18th Century in Europe?

POLITICAL SCIENCE

1. What was the matter of tension between French and Dutch speaking communities during 1950s and 1960s?
2. Explain any three consequences of majoritarian policies adopted by the Sri Lankan Government.
3. Explain the difference between the power sharing model accepted by Belgium and Sri Lanka.
4. Why power sharing is necessary in democracy? Explain.

GEOGRAPHY

1. What do you understand by conservation of resources for sustainable benefit of the present generations? Why do we need to conserve our resources? Give any three reasons.
2. Discuss the problems which have been caused due to overutilization of resources.
3. Write a short note on Rio de Janeiro Earth Summit, 1992.

ECONOMICS

1. If you get a job in a far off place before accepting it, you would try to consider many factors. Explain any five such factors.
2. Explain with reasons why state of Punjab with a very high per capita income has a very low literacy rate.
3. "Girls in India in the rural sector are sometimes not able to get secondary level of education". Give three reasons in support of your answer.
4. What is per capita income? How is it calculated? Why is per capita income not adequate indication of economic development of a country? Explain.

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SUBJECT-SANSKRIT

1. शुचिपर्यावरणम् पाठस्य प्रश्न संख्या 3 पूरयत।
2. बुद्धिर्बलवती सदा पाठस्य घटनाक्रमं लिखत।
3. व्यायामः सर्वदा पथ्यः पाठस्य प्रश्न संख्या 3 पूरयत।
4. संस्कृत व्याकरण पुस्तकात् पत्र द्वयं पूरयत (पत्राभ्यास क्र० 1, 2)
5. तुकागमः – पंच उदाहरणानि लिखत
6. मोऽनुस्वारः – पंच उदाहरणानि लिखत
7. हन् धातोः रूपाणि पंच लकारेषु लिखत
8. लभ् धातोः रूपाणि पंच लकारेषु लिखत
9. पितृ शब्दस्य रूपाणि लिखित्वा स्मरत।
10. गुरू शब्दस्य रूपाणि लिखित्वा स्मरत।
11. द्वितीया तत्पुरूष समासस्य पंच उदाहरणानि विग्रहेण सहितम् लिखत
12. षष्ठी तत्पुरूष समासस्य पंच उदाहरणानि विग्रहेण सहितम् लिखत

  * परियोजना कार्यम् सचित्रेण वर्णयतु

13. योगाभ्यासः,
14. स्वच्छता अभियानम्,
15. औषधीयाः पादपाः

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SUBJECT-INFORMATION TECHNOLOGY

1. Write any 3 telephonic discussions.
2. Write down any 10 statements using Articles.
3. Write down any 10 resolutions to be made in your life?
4. Construct a paragraph using these statements:
   a) saw a small child   b) alone and crying   c) realized that he was lost   d) child was scared
   e) talked gently   f) asked the name and address,   g) with difficulty got some facts
   h) tried to contact his parents   i) finally restored him to his parents
5. Situations arise in life when we have to say "NO" to people. Write 5 sentences to say "NO" to people.
6. What is a Resume? Why writing a Resume is important? Create your own Resume using Personal Experience, Languages known, References, Computer Skills, Award and Achievements, Address.
7.   i). Draw the Control Panel dialogue box. Mention any 5 options.
     ii). Show the options of Ease of Access Center?
8. Browse through Net and make an Article on "Computer Network" and "Blog". Submit in a Stick File.

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