

HOLIDAY HOMEWORK

CLASS -10

SUBJECT- ENGLISH

Learn the Question and answers of the following lessons:-

The First flight

- 1.A letter to God.
 - * Fire and ice (poem)
 - *Dust of Snow (poem)
2. Nelson Mandela: Long walk to freedom
 - A Tiger in the Zoo (poem)

Footprints without feet

1. A Triumph of Surgery
2. The Thief's Story

Practice the exercises on the given topic in

Grammar:-

- 1.Tenses
- 2.Modals
3. You visited your friend Arijit Singh Randhawa in Kolkata during the summer break and enjoyed Puja festivities with him. You are really excited about it. Make a Diary entry in about 150 words.

Practice writing the format of letter writing in the writing skills-

- 1.Formal letter writing

Make a video on the topics given:-

(please follow these Instructions :-)

- *Video should be of 1 minute duration.
- * You will speak only on the topics given.
- * Keep the video safely as you have to send it to the teachers in July.

TOPICS FOR ONE MINUTE SPEECH

1. Changing times
2. How to increase our immunity
3. Social distancing
4. How I miss my school
5. My Ideal
6. Unpolluted nature- lockdown-lesson learnt.

SUBJECT- HINDI

ग्रीष्मावकाश-गृह-कार्य

प्रश्न -१

निम्न लिखित विषयो पर १५० शब्दों का एक सारगर्भित अनुच्छेद लिखिए-

- वर्तमान परिप्रेक्ष्य में इंटरनेट की आवश्यकता एवं उपयोगिता।
- सोशल मीडिया पर बढ़ते अपराध -कारण एवं निवारण।

प्रश्न -२

- "कोरोना से सुरक्षा" विषय पर भारत सरकार की ओर से जारी सूचनाओं के आधार पर २५-५० शब्दों में एक विज्ञापन तैयार कीजिये।

प्रश्न-३:

- आपके क्षेत्र में बढ़ रही आपराधिक घटनाओं की रोकथाम के लिए किये गए प्रबंध के सम्बन्ध में थानाध्यक्ष के कार्यों की प्रशंसा करते हुए उन्हें एक पत्र लिखिए।
- अपनी छोटी बहन को योग की महत्ता बताते हुए एक पत्र लिखिए।

प्रश्न- 4

- पढ़ाए गए सभी पाठों के प्रश्नोत्तरों को याद कीजिये।

प्रश्न-5

- व्याकरण पुस्तक अथवा सैम्पल पेपर्स की सहायता से व्याकरणिक अंशों का अभ्यास कीजिये।

प्रश्न-६

- निम्नलिखित विषय में से किसी एक विषय पर २ मिनट की अपनी एक विडियो बनाइये
1. वर्तमान समय में सामाजिक दूरी बनाने की आवश्यकता
 2. युवा शक्ति
 3. प्राकृतिक आपदा
 4. पुरुषार्थ एवं भाग्य
 5. जीवन में अनुशासन का महत्व

(NOTE: Kindly keep this video safely with yourself as it will be asked by the teachers anytime in the month of July for assessment.)

SUBJECT- MATHEMATICS

1. Do the optional exercise 2.4 of polynomial.
2. Do 5 questions daily from the covered chapters.
3. Revise the chapter real numbers, polynomials and pair of linear equations in two variables.
4. Complete your activities also.
 - a. Parabola curve
 - b. Derivation of relation between constant coefficient and zeros of three degree polynomial
 - c. Draw the graph by taking equations from the book
 - **Intersecting lines**
 - **Parallel lines**
 - **Coinciding lines**

Note:- Make a separate thin copy for this work.

SOCIAL SCIENCE PROJECT

1. Every student has to compulsorily undertake any one project on the following topics:

Consumer Awareness

OR

Social Issues

OR

Sustainable Development

2. Objective: Students are expected to apply the Social Science concepts that they have learnt over the years in order to prepare the project report.

If required, students may go out for collecting data and use different primary and secondary sources to prepare the project. If possible, different forms of art may be integrated in the project work.

Dear students

Your project file must be arranged in the following order:-

- Cover Page
- Index
- Acknowledgment
- Topics page
- Matters
- Conclusion
- Picture gallery
- Bibliography

Subject-Physics

- Q. 1 what is nuclear fusion and nuclear fission reaction?
- Q. 2 why does sun emit light?
- Q. 3 what is light?
- Q. 4 what is optics? Write its branch.
- Q. 5 Define the following term.? Diffraction, interference, polarization, luminous intensity.
- Q. 6 write theories of light and explain each ?
- Q. 7 Give four examples of luminous and nonluminous body?
- Q. 8 give two examples of each medium?
- Q. 9 what is difference between regular and irregular reflection?
- Q. 10 write properties of image formed by plane mirror?
- Q. 11 prove that distance of object formed by plane mirror is equal to distance of image formed from plane mirror?
- Q. 12. A person is standing in middle of a wall and plane mirror. What should be minimum length of plane mirror to obtain full image of wall?
- .
- Q. 13 a bike is moving with speed of 20m/s toward a plane mirror and plane mirror is moving with 10m/s speed towards bike. What will be speed of image?
- Q. 14 two plane mirror is bent at an angle of 30 degree. An object is kept between plane mirror what is no. Of image formed. ?

Q15 write and explain all term of spherical mirror and show it on diagram?

Q. 16 if radius of curvature of a concave mirror is 20cm.what is focal length of concave mirror?

Q. 17 an object is kept at a distance of 12cm from a concave mirror and image form at a distance of 18cm.what is focal length of mirror?

Q. 18. An object is kept at a distance of 24cm in front of a concave mirror of radius of curvature 30cm . What is position of image?

Q. 19 an object of length 2cm is kept at a distance of 10cm in front of a concave mirror of radius of curvature 12cm . What is position of image, magnification and height of image?

Q. 20 an object is kept at 12cm from a concave mirror of focal length 10cm.find position of image?

Q. 21An object is kept at a distance of 24cm in front of a convex mirror of radius of curvature 18cm.what is position of image?

Q. 22 Solve exercise problem from NCERT and S. Chand text book?

Q. 23 prepare a project file on topic application of optics in medical fields?

Q. 24 study any one paper published on optics?

Q. 25 write your view on reflection of light. ?

Q. 26 prepare a activity file . Write Activity from 10.1 to 10.10 from ncert text book?

Subject - Chemistry

1. Explain the the type of chemical reaction with the help of two examples of each.
2. How would you identify reduction and oxidation?
3. What do you mean by chemical reactivity series of metals? How it governs displacement reactions?
4. List the following as exothermic or endothermic reaction:
 - a) Temperature of water increases on adding sulphuric acid to it.
 - b) Heat is absorbed when water evaporates.
 - c) Temperature drops when ammonium chloride dissolves in water.
5. Why does aluminium not undergoes corrosion but iron does?
6. Name the substance oxidized, reduced, oxidizing agent, reducing agent in the following equation-



7. Identify the type of chemical reaction in the following statements and define each of them:

- (I) Digestion of food in our body.
- (II) Rusting of iron.
- (III) Heating of manganese dioxide with aluminium powder.
- (IV) Blue colour of copper sulphate solution disappears when iron filings are added to it.
- (V) Dilute hydrochloric acid is added to sodium hydroxide solution to form sodium chloride and water.

8. Write balanced chemical equations for the following statements:

- (I) Bleaching powder is kept in air.
- (II) Blue crystals of copper sulphate are heated.
- (III) Chlorine gas is passed through dry slaked lime.
- (IV) Carbon dioxide gas is passed through lime water.

(V) NaOH solution is heated with zinc granules.

9. What happens when zinc granules are treated with dilute solution of H_2SO_4 , HCl, HNO_3 , NaCl and NaOH. Also write the chemical equations?

10. A silver article generally turns black when kept in the open for a few days. The articles when rubbed with toothpaste again starts shining.

(I) Why do they turn black Name the phenomenon.

(II) Name the black substance formed and write its formula.

Subject-Biology

Q1. Why do herbivores have longer, small intestine than carnivores?

Q2. Write the balanced chemical equation for the process of photosynthesis. How photosynthesis occurs in desert plants?

Q3. In single celled organisms diffusion is sufficient to meet all their requirements of food, exchange of gases or removal of wastes but it is not in case of multicellular organisms. Explain the reason for this difference.

Q4. Draw a neat labeled diagram of human alimentary canal.

Q5. Explain the process of nutrition in Amoeba.

Q6. How do guard cells regulate the opening and closing of the stomata?

Q7. Explain exchange of gases in human.

Q8. State the role of the following in human digestive system

(b) Digestive enzymes

(c) Hydrochloric acid (HCL)

9. Draw a diagram of human respiratory system and label the following:.

(a) Part where air is filtered by fine hairs and mucus.

(b) Which terminates in balloon like structures. (c) Part which separates chest cavity from abdominal cavity

(c) Where exchange of gases takes place.

Q10. Draw a neat labeled diagram of opened and closed stomata.

Q.12 Draw a working model of any system of your body.

Subject: Information Technology

Q.1. Solve exercise of Ch.1 “Create and Apply Styles in the Document” and Ch.2. “Insert and use images in Document” in Assignment copy.

Q.2. Create a Marksheet on Writer with the help of ch.1, 2 & 3.

Q.3. Learn all types of questions and answers of ch.1, 2 and 3.

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