

HOLIDAY HOME WORK

has to be done in the H.W. copy in case no separate instructions are given.

ENGLISH

1. Write an interesting story in about 200 words. Give a suitable title and moral to your story.
2. Read the novel 'The Story of My Life' and write a character sketch of any one of the following. (200 words) (a) Miss Anne Sullivan (b) Helen Keller

MATHS

Do Formative assessment test - 1 and 2 from P. K. Garg.

PHYSICS

1. Two identical immersion rod heaters are to be used to heat water in a large container which one of the following arrangements would heat the water faster?
 - a) Connecting the heaters in series with the mains supply.
 - b) Connecting the heaters in parallel with the mains supply.
2. An electrician puts a fuse of rating 5 A in that part of a domestic electric circuit in which an electric heater of rating 1.5KW, 220V is operating. What is likely to happen in this case and why? What change, if any, needs to be made?
3. The electric power consumed by a device may be calculated by using either of the two expressions $P = I^2 R$ or $P = V^2 / R$. The first expression indicates that power is directly proportional to R, whereas the second expression indicates that the power is inversely proportional to R. How can the seemingly different dependence of P on R in these expressions be explained?
4. Two electric bulbs 60 W, 220 V and 100W and 220V are connected in series to a 440 V mains supply. Which of the given bulbs will fuse? Discuss the situation when the bulbs are connected in parallel.

CHEMISTRY

1. Explain corrosion in metals. How can corrosion be prevented?
2. Complete the following chemical equations and balance them.
 - a) $\text{Fe}_2\text{O}_3 + \text{Al} \rightarrow \text{Al}_2\text{O}_3 + \text{Fe}$
 - b) $\text{C}_6\text{H}_{12}\text{O}_6 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O} + \text{ENERGY}$
 - c) $\text{CH}_4 + \text{O}_2 \rightarrow \text{CO}_2 + \text{H}_2\text{O} + \text{ENERGY}$
 - d) $\text{NaOH} + \text{Zn} \rightarrow \text{Na}_2\text{ZnO}_2 + \text{H}_2$
 - e) $\text{Fe} + \text{H}_2\text{O} \rightarrow \text{Fe}_3\text{O}_4 + \text{H}_2$
3. Write a note on the role of oxidising and reducing agents in Chemistry.
4. Describe decomposition reaction and its types. Give one example of each.
5. Write a note on biochemical reactions in living beings.

BIOLOGY

1. Draw a neat and labelled diagram of the following in the H W note book.
 - a) Human Brain
 - b) Human Excretory System
 - c) Human heart

SOCIAL SCIENCE

Make any one project on the following units/topics.

1. Make a project on any one natural disaster which occurred in last five years and suggest measures for it.
2. Make a project on any popular struggle or movement which has taken place in India after Independence.
3. Make a project on Prime Minister Narendra Modi government's idea of Demonetization & new government policies made after this for the economic development.

THE PROJECT SHOULD BE PREPARED HIGHLIGHTING:

- (a) Content accuracy (b) Presentation and creativity (c) Proper facts and figures.

F.I.T.

1. Make a separate practical file and write the three HTML codes along with the output as given by your subject teacher in your respective class.

DRAWING & PAINTING

1. Make a beautiful Landscape on half imperial sheet. Or
2. Make a beautiful Greeting card. (Size of the card should be 35cm x 45 cm).

INSTRUMENTAL MUSIC

1. Write notation of any one song in your music copy.
2. Make a model of Guitar / Harmonium / Flute.

DANCE

Prepare one chart on any style of western dance like- hip hop, contemporary style, etc.

CRAFT & DESIGNING

Design one poster on any current topic with the help of computer.

VOCAL MUSIC

Make a chart of any one dance and write a few lines about it.

HINDI

- (क) किसी स्वतंत्रता सेनानी पर आधारित कोई दो स्वरचित कवितार्ये लिखिए।
(ख) किसी एक दैनिकोपयोगी वस्तु का सचित्र विज्ञापन तैयार कीजिये।

SANSKRIT

श्रीमद्भगवद्गीता के निम्नलिखित श्लोक अपनी उत्तरपुस्तिका में लिखकर याद करें।
अध्याय – 6 – श्लोक संख्या 34, 35
अध्याय – 18 – श्लोक संख्या 66, 78
कोई एक सचित्र कथा संस्कृत में उत्तरपुस्तिका में लिखकर याद करें।

FRENCH

Complétez les exercices de Setrite - Leçon 1, 2,3 et révisez les questions sur culture et civilisation française.