

SANSKAR BHARTI GLOBAL SCHOOL

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HOLIDAY ASSIGNMENT OF STD 10

* SUB: - (ENGLISH) (Full Marks -5) *

- ⇒ Have you ever been in great difficulty and felt that only a miracle could help you? How was your problem solved? Think and write about it.
- ⇒ Write a paragraph on "True Liberty is freedom from poverty, deprivation and all forms of discrimination."
- ⇒ What is the difference between Homophones and Homonyms. Give 5 examples.
- ⇒ Write a short composition on your initial attempts at learning a skill. You could describe the challenges of learning to ride a bicycle or learning to swim. Make as humorous as possible.
- ⇒ Have you ever been alone or away from home during a thunderstorm accompanied by heavy downpour? Narrate your experience in a paragraph.

* SUB: - (Hindi) (Full Marks -5) *

- ⇒ कबीरदास का जीवन परिचय देते हुए उनके जीवन काल के महत्व का सचित्र वर्णन करें ।
- ⇒ किताबी ज्ञान की अपेक्षा अनुभव ज्ञान श्रेष्ठ होता है। इसे समझाते हुए कुछ उदाहरण प्रस्तुत करें।
- ⇒ कबीरदास एक समाज सुधारक थे। इस तथ्य को स्पष्ट कीजिए।
- ⇒ आपकी छोटी बहन/भाई छात्रावास में रहती/रहता है। उसकी पढ़ाई-लिखाई के सम्बन्ध में उसे एक पत्र लिखिए।
- ⇒ प्रेमचन्द सचमुच गुदड़ी के लाल थे, 250 शब्दों में समझाते हुए उनके व्यक्तिगत जीवन परिचय का सचित्र वर्णन करें।

* SUB: - (Maths) (Full Marks -5) *

- ⇒ Define the following terms :
 - i. Prime number
 - ii. Twin prime number
 - iii. Composite number
 - iv. Irrational number
 - v. Real number
- ⇒ Write one example of each of the following:
 - i. Twin prime number
 - ii. Co-prime number
 - iii. Fraction of terminating decimal
 - iv. Fraction of non-terminating recurring decimal
 - v. Non termination non recurring decimal
- ⇒ Find the quadratic polynomial whose sum and product of zeroes are $\frac{3}{-2}$ and $\frac{5}{6}$.
- ⇒ Draw a graph of the following equation and solve for x and y, if possible, if not then write the cause.
 - i. $x - 2y = 0$
 - ii. $2x - 3y + 10 = 0$
 - $3x + 4y = 20$
 - $3x + 2y - 11 = 0$

⇒ Find zeroes of the following polynomial and verify the relationship between coefficient and zeroes.

i. $3x^2 - 2\sqrt{3}x + 1$ ii. $x^2 - 5$

*** SUB: - (SOCIAL SCIENCE) (Full Marks -5) ***

⇒ Prepare a project on any one of the following social evils still prevailing in the society highlighting the reasons, effects and suggest solutions to get them eliminated from our country.

- Corruption or Illiteracy – (The students must write about following key matter
 - a. Social issue in Indian society
 - b. Reforms initiated to combat the social issues
 - c. Role of popular leaders & movement

⇒ Create an advertisement on healthy eating habits, importance of education & personal hygiene.

⇒ Prepare a project on sustainable development.

The students must write about following key matter:-

- a. Need of development
- b. Importance of development
- c. Policies initiated to adopt measures for sustainable growth

⇒ Read the biography of Giuseppe Mazzini and make a project on their contribution to make Italy as a unified nation.

⇒ Write the contribution of 'Otto Van Bismark' in the unification of Germany.

*** SUB: - (Science) (Full Marks -5) ***

⇒ An object 2 cm in size is placed 30 cm in front of a concave mirror of focal length 15 cm. At what distance from the mirror should a screen be placed in order to obtain a sharp image? What will be the nature and the size of the image formed? Draw a ray diagram to show the formation of the image in this case.

⇒ Draw the ray diagram in each case to show the position and nature of the image formed when the object is placed:

- (i) at the centre of curvature of a concave mirror
- (ii) between the pole P and focus F of a concave mirror
- (iii) in front of a convex mirror

⇒ Classify the following reactions as exothermic and endothermic.

1. $C + O_2 \longrightarrow CO_2$
2. $N_2 + 3H_2 \longrightarrow 2NH_3$
3. $C + 2S \longrightarrow CS_2$
4. $N_2 + O_2 \longrightarrow 2NO$
5. $CaCO_3 \longrightarrow CaO + CO_2$

⇒ (i) Write the balanced chemical equation for the process of photosynthesis,

(ii) When do the desert plants take up carbon dioxide and perform photosynthesis ?

⇒ Draw a neat diagram of excretory system of human beings and label on it:

- (i) Left kidney (ii) Urinary bladder