

# HOLIDAYS HOME WORK (2016 -17)

CLASS : X

## ENGLISH

1. Letter writing ( to editor ) . How can children help in removing child labour.
2. Diary entry - your feelings on the arrival of uninvited guest
3. Horror story writing
4. Novel - Reading of chapter 14 & 15 ( Write summary )
5. Grammar –

### **I: ERRORS :**

The Global Medical Industry is one of the world's (a) fastest growing industry, absorbing over 10% of (b) gross domestic product of more developed (c) nations. It constitutes a broad range of services offered in (d) various hospitals, physicians, nursing homes, diagnostic (e) laboratories, pharmacies and is well supported by (f) drugs, pharmaceuticals, chemicals, medical equipment, manufacture and suppliers.

### **II: OMISSIONS :**

Planning a career in any field of medical profession (a) is an excellent investment for your future. As the fastest (b) growing industry in the world, new job opportunities (c) are being created everyday. Each department of a medical (d) profession has a number of positions one can go (e) for. The demand for well trained professionals in this (f) field has shot up.

### **III. CLOSE GAP FILLING**

A recent film festival organized by Brotherhood in association with the Asian Academy of Film and Television in the Capital, aimed (a) at raising awareness (b) about disability issues. The festival showcased 38 films and documentaries (c) which sent out a strong message. On the special occasion (d) of meeting through including them, (e) – education, valuing their existence and (f) making them aware of their rights.

### **IV. Narration:**

Sanya: I have an intuition that the exams will be postponed to April.

Sahil: What makes you to have such strange intuition?

Sanya: Won't it be better?

Sahil: No, I am prepared and I can't forgo my leisure time anymore.

Sanya talked about (a) to Sahil that (b) Sahil got puzzled and he asked (c), Sanya (d). Sahil felt that (e) as and he (f).

## HINDI

- 1 " धरती सबके लिए समान है " इस कथन को पाठ ' दूसरे के दुख से दुखी होने वाले' के आधार पर स्पष्ट करें।
- 2 ' गिरगिट ' कहानी समाज में व्याप्त चाटुकारिता पर करारा व्यंग्य है- इस पाठ के आधार पर सोदाहरण सिद्ध कीजिए।
- 3 बिहारी ने श्रीकृष्ण के रूप सौंदर्य का वर्णन किस प्रकार किया है?
- 4 ईश्वर भक्ति के लिए क्या अनिवार्य है? कवि ने बाह्य आडंबर किस भक्ति को कहा है?
- 5 " मुझे प्रकृति की ओर , बढ़ो मनुष्यता की ओर " प्रस्तुत पाठ के आधार पर इस कथन की सार्थकता सिद्ध कीजिए।

## (MATHS)

1. In an AP, if  $S_5 + S_7 = 167$  and  $S_{10} = 235$ , then find the AP, where  $S_n$  denotes the sum of its first  $n$  terms.
2. A bus travels at a certain average speed for a distance of 75 km and then travels a distance of 90 km at an average speed of 10 km/h more than the first speed. If it takes 3 hours to complete the total journey, find its first speed.
3. The sum of the first  $n$  terms of an AP is given by  $S_n = 3n^2 - 4n$ . Determine the AP and the 12<sup>th</sup> term.

4. Solve :

$$\frac{1}{a+b+x} = \frac{1}{a} + \frac{1}{b} + \frac{1}{x}, a+b \neq 0.$$

5. The diagonal of a rectangular field is 16 metres more than the shorter side. If the longer side is 14 metres more than the shorter side, then find the lengths of the sides of the field.

6. Solve for  $x$  :

$$x^2 - (2b - 1)x + (b^2 - b - 20) = 0$$

7. If  $x = 3$  is a root of the equation  $x^2 - x + k = 0$ , find the value of  $p$  so that the roots of the equation  $x^2 + k(2x + k + 2) + p = 0$  are equal.

**8. Find the number of odd integers between 2 and 100 divisible by 3.**

**9. Determine k if  $4k + 8, 2k^2 + 3k + 6, 3k^2 + 4k + 4$  are three consecutive terms of an A.P.**

**10. The sum of n, 2n, and 3n terms of an A.P are S1, S2 and S3 respectively. Prove that  $S3 = 3(S2 - S1)$ .**

NOTE: Class tests of both the above mentioned chapters will be conducted in the zero period soon after holidays.

## **Science**

Q.1 Explain covalent bond with the help of 5 examples.

Q.2 Find the formula and draw the structure of first 10 compounds of Alkane, Alkene and Alkyne family.

Q.3 Elaborate different types of asexual reproduction in organisms. Explain with the help of the diagrams. How variations do occur in these types of organisms? Differentiate between: a) Regeneration and Fragmentation  
b) Binary fission and Multiple Fission

Q.4 State the advantages and disadvantages of asexual reproduction

Q.5 Draw ray diagram for concave and convex mirror.

Q.6 Derive mirror formula.

## **( SOCIAL SCIENCE ) Economics**

Q1. Explain poverty as seen by social scientists.

Q2. How poverty is a curse upon the humanity? Explain.

Q3. Name the different social groups who are having an their economic inequality in India and why?

Q4. Explain the major dimensions of poverty in India.

Q5. Write a note on poverty levels in different states of India.

Q6. Write a note on global poverty scenario.

Q7. Mention the four causes of poverty in India.

Q8 write a note on NSSO.

**Collect the paper cuttings on poverty levels in different states of India and the steps taken by governments to remove it and paste it on your note book.**