

D.T.E.A. SR. SEC. SCHOOL, MOTI BAGH

HOLIDAY HOME WORK - 2017

CLASS – X

ENGLISH

- I. A. Read the following passages carefully and then answer the questions that follow by writing the options that you consider the most appropriate.

Fifty years ago, people ate ice cream only in summer. Now it is eaten all the year around. It originated in the Orient, centuries before English schoolboys first tasted it. Marco polo saw people eating ice cream there and brought back the idea to Italy, the idea was carried to France. It became very popular in France with the rich, and an effort was even made to keep the recipes a secret from the common people. But, of course, they soon learned about this delicious new food and ice cream became popular with everyone. Soon it spread all over the world. The first factory to manufacture ice cream was started in Baltimore, Maryland, in 1851. However, the real development of ice cream and the ice cream business didn't take place until after 1900 with new developments in refrigeration.

The basis of all ice cream is cream, milk or milk solids, sugar, and sometimes eggs. Vanilla, chocolate, berries, fruit, and nuts are added as flavours. This is the usual proportion of ingredients in ice cream : about 80 to 85 percent sugar, half to four and a half percent flavouring, and three tenths of one percent stabilizer.

A small amount of gelatin is used in order to retain the smoothness of the ice cream by preventing the formation of ice crystals.

When you eat a third of a pint of vanilla ice cream, you are getting about as much calcium, protein and vitamin B as are in half a cup of whole milk, and as much vitamin A and calories as are in one cup of milk.

- A. The major change in attitude towards ice cream is that
- a. It is eaten throughout the year. b. it is eaten as a dessert. c. it is eaten in summer. d. it is eaten in winter.
- B. Ice cream became popular with everyone
- a. When the idea was carried from Italy to France b. when English schoolboys tasted it. c. when the rich in France started eating it d. when the common people learned about its recipe.
- C. The introduction of refrigeration led to the
- a. Increased consumption of ice cream. b. improvement in the taste of ice cream c. increase in the production of ice cream d. increase in the production and quality of ice cream.
- D. The smoothness of ice cream is retained by
- a. Forming ice crystals. b. using a small amount of gelatin. C. using eggs. d. using cream and milk.
- E. Find out from the passage a word that means the same as "tasty"
- a. Popular. b. rich c. delicious d. flavouring.
- B. The jackal is the most cunning member of the dog family. People don't like it because it is a terrible thief. What cunning it shows! If a jackal wants to catch a crow or a magpie, it lies down by the road and makes it believe it is dead. When the bird sees the jackal, it comes down to peck at the "dead" flesh. Up jumps the cunning jackal, and that is the end of the bird!
- There are many tales about the cunning fox, but they are all untrue. The wolf and the jackal are far more cunning than the fox. It is certainly not a capricious animal. It never hunts just to kill. It feeds

mainly on barn and field mice. It is a master at catching these rodents that do so much damage to farms.

- A. Which is the most cunning member of the dog family?
a. The dog. b. the wolf. c. the jackal. d. the fox.
- B. Why is a jackal not liked?
a. Because it is very greedy. b. because it is terrible thief. c. because it looks very ugly. d. because it kills other animals.
- C. A jackal lies down by a road when
a. It is dead. b. it wants to sleep. c. it is wants to catch some bird for its prey. d. it wants to attack someone going by that road.
- D. It is not true to say that.....
a. The fox is the most cunning of all animals. b. the wolf is more cunning than the fox. c. the jackal is more cunning than the fox. d. the wolf and the jackal are more cunning than the fox.
- E. The word "capricious" means
a. Incurable b. incredible c. impractical d. unpredictable

II. Write a letter to the editor of a newspaper complaining about the acute shortage of water in your area and suggesting ways like rainwater harvesting etc. to conserve water in 120 words. You are Satish/Saina of Vikas Puri.

III. Road accidents take more lives than in a war. While we sit behind the wheel we don't realize the fact that speed can kill us. Write an article on the topic "causes of Road Accidents". (100-120 words)

IV. Complete the following passage by choosing the correct passive forms of the verbs given in brackets from the alternatives given below the passage.

An exhibition (A) ----- (held) in Andhra Pradesh. A young girl (B) ----- (ask) not to allow anyone to enter without a ticket. When Nehruji tried to enter without a ticket, she stopped him saying that no one (C) ____ (allow) to enter without a ticket.

- A. a. held b. was held c. is held d. will be held
B. a. asked b. was asked c. is asked d. has asked
C. a. allowed b. was allow c. was allowed d. is allowed

V. Choose the most appropriate options from the ones given below to complete the following passage.

Father wanted (a) ---- say something but the bus had started moving. I saw (b)----- father receding into the distance. I saw (c) ----- the road we had come by looked like a giant motionless rope. Father (d)----- use the same road to go back home. Simultaneously, our journey started (e) - ---- two opposite directions, with (f) ----- seated in the luxurious seat of a bus and father walking back with weary legs on the pebble- strewn road.

- a. I too ii so iii to iv for
b. I his ii my iii her iv him
c. I if ii which iii that iv whether
d. I could ii would iii should iv will
e. I at ii in iii of iv for
f. I him ii us iii he iv me

VI. Answer the following questions in about 30- 40 words.

1. How did Mandela's understanding of freedom change with age and experience?
2. Why did the household dogs at surgery change their attitude towards Tricki?
3. What does Mandela mean when he says he is simply the sum of all those African patriots who had gone before him?
4. What did Lencho compare the rain drops to? Why?
5. What are the twin obligations of a man? Why could he not fulfil both of these obligations?

6. What is the central idea of the poem "Dust of Snow"?
7. Why do some people say that the world will end in fire?
8. Compare a tiger in the zoo to a tiger in its natural habitat.
9. Why did Lencho write a second letter to God?
10. Why was the vet tempted to keep Tricky as a "permanent Guest"?

VII. Answer the following questions (The story of my life)

1. Write a character- sketch of Michael Anagnos.
2. What tragedy struck Helen when she was young? Explain.

VIII. Write a story in about 150 to 200 words using the outline given below:

Slow and steady wins the race.....

hare made fun of the tortoise for being very slow.....the tortoise challenges the hare for a race....fox was made the referee.....started off.....the hare dozed off.....tortoise won the race.

*Do it in a paper sheet and file it.

MATHEMATICS

1. The mean of the following frequency distribution is 57.6 and the number of the observations is 50. Find the missing frequencies f_1 and f_2

Class	Frequency
0-20	7
20-40	f_1
40-60	12
60-80	f_2
80-100	8
100-120	5

2. Find the value of f_1 from the following data if its mode is 65

Class	Frequency
0-20	6
20-40	8
40-60	f_1
60-80	12
80-100	6
100-120	5

3. The table given below shows the frequency distribution of the scores obtained by 200 candidates in a BCA examination.

Score	No. of candidates
-------	-------------------

200-250	30
250-300	15
300-350	45
350-400	20
400-450	25
450-500	40
500-550	10
550-600	15

Draw cumulative frequency curves by using (i) 'less than series', (ii) 'more than series'.

- If the zeroes of the polynomial $x^3 - 3x^2 + x + 1$ are $(a-b)$, a , $(a+b)$, find 'a' and 'b'.
- Prove that $3 + 2\sqrt{3}$ is an irrational number.
- The length, breadth and height of a room are 8m 25 cm, 6m 75cm and 4m 50 cm respectively. Find the length of the longest rod that can measure the three dimensions of the room exactly.

SCIENCE

PHYSICS

Take meter reading of your house meter daily at 7 am and 7 pm. Calculate electricity consumed and cost.

CHEMISTRY

L-1 CHEMICAL REACTIONS AND EQUATIONS : work sheet(Do it in your class work note book)

- Give 5 examples each of physical and chemical changes that take place around us in our day to day life.
- When a magnesium ribbon is burnt in air, what are the two observations that you make?
- Write a balanced chemical equation to represent decomposition of lead nitrate on heating.

What are brown fumes due to?

- Make a list of at least 10 cations and 10 anions.

5. Taking help from the list prepared in Q4,, write the chemical formulae of:-

- (i) Barium chloride (ii) Sodium Sulphate (iii) Ammonium phosphate (iv) Calcium hydroxide (v) Aluminium carbonate (vi) Magnesium hydrogen carbonate (vii) Zinc sulphide (viii) copper (I) chloride (ix) Potassium Bromide (x) Lead nitrate (xi) Iron (III) oxide (xii) Sodium Oxide (xiii) Silver sulphide (xiv) Calcium Fluoride

6. Write the following in the form of balanced chemical equations:-

i) Calcium carbonate decomposes on heating to form calcium oxide and carbon – di – oxide.

ii) When ammonium hydroxide is added to a solution of iron (II) Sulphate, a green ppt of iron (II) hydroxide and ammonium Sulphate are formed.

iii) When a nail of iron is added to a solution of copper Sulphate, iron (II) Sulphate and copper metal are formed.

iv) Zinc reacts with dil hydrochloric acid to form zinc chloride and hydrogen gas is liberated.

7. A chemical reaction which is both combination as well as exothermic, is used by us for white washing purposes. Write the equation for the same.

8. What is a decomposition reaction? Give 2 examples each of decomposition taking place due to heat, light and electricity.

9. How does a displacement reaction differ from a double displacement reaction? Give examples to explain.

Students can work in pairs on any of the following given topics for making models/projects/research work. Only biodegradable material will be used. They are to collect the information and materials for the chosen project during holidays .

Topics – Food & Technology, Energy, Communication, Universe, Human Welfare, Teaching Aids, Science & Technology, Robotics, Sustainable Development.

NOTE: Write conclusion for the NCERT TEXT BOOK activities:1.1 to 1.10 (AS PER OUR CLASS ROOM DISCUSSIONS AND DEMONSTRATIONS OF ACTIVITIES IN THE LAB)

BIOLOGY

Answer the following questions

Chapter: why do organisms reproduce?

1. With the help of diagram show the different stages of binary fission in Amoeba.
2. Explain budding in Hydra with the help of diagrams only.
3. How does an embryo get nourishment from its mother's body?
4. Draw a longitudinal section of a flower and label the parts.
5. What is the role of seminal vesicles and prostate gland?
6. Draw a labeled diagram of human male and female reproductive system.
6. Why is DNA copying an essential part of the process of reproduction?
7. Explain various methods of contraception used by humans.

Chapter: Heredity and evolution

1. Define the following terms

a) Heredity b) inherited traits

2. How do Mendel's experiments show that traits are inherited independently?

Project

Make any one model

Binary fission of bacteria, regeneration in planaria, budding in hydra, L.S of flower

कक्षा - 10

प्रश्न - 1 नमून लिखित पाठ / कविता के प्रश्न उत्तर याद करके पुस्तिका में लिखें :-

- पाठ - बड़े भाई साहब
- पाठ - हररहर काका
- पाठ - डायरी का एक पन्ना
- कविता - कबीर की सांघी

प्रश्न - 2 विज्ञापन तैयार कीजिये।

उदाहरण - ड्रेस का विज्ञापन, शैम्पू का विज्ञापन, तैल का विज्ञापन, साबुन का विज्ञापन।

प्रश्न - 3 कोई 5 अनुच्छेद, 5 औपचारिक पत्र 1 बार लिखें।

प्रश्न - 4 पाठ हररहर काका में आये सभी पात्रों के व्यस्तता के बारे में लिखें।

प्रश्न - 5 अपने घर के आस-पास की ककसी एक समस्या के बारे में वितार से बताएं।

प्रश्न - 6 परियोजना कायम

(क) ककन्हीं चार तितंत्रता सेनानयों का िंनि पररचय तथा तितंत्रता संग्राम में उनका योगदान

(ि) कविता कबीर की सांघी में कबीर का चचत्र तिय बना कर उनके 10 दोहे लिखिए।

नोट :-

1. छुट्टियों का कायम अलग पुस्तिका में करें।
2. प्रश्न - 6 का कायम इ िंदी की अभ्यास पुस्तिका में करें।

தமிழ்

1. தினமும் செய்தித்தாள் படிக்கவும்.

2. அறிக்கைகள்

உனது பள்ளியில் நடைபெற்ற

- ★ விளையாட்டு விழா
- ★ அறிவியல் கண்காட்சி
- ★ நூலகத் திறப்புவிழா
- ★ சுதந்திரதினவிழா
- ★ குழந்தைகள் தினவிழா
- ★ பாரதிதாசன் விழா

ஆகியவை குறித்து அறிக்கை எழுதி வரவும்.

3. கடிதங்கள்

உனது பகுதிக்கு,

- ★ சாலை வசதி வேண்டி,
- ★ பேருந்து வசதி வேண்டி
- ★ குடிநீர் வசதி வேண்டி

கடிதம் எழுதுக.

உனது பகுதியில் அரசு பொது மருத்துவமனை,

பொது நூலகம்

அஞ்சல் பெட்டி

அமைத்துத் தரக்கோரி அதிகாரிக்குக் கடிதம் எழுதுக.

உனது முகவரி: கம்பன்/கனகம் , 22, காந்தி தெரு, நெல்லை. எனக் கொள்க.

★ அனைத்தும் தமிழ் ஏட்டிலேயே எழுதப்பட்டிருக்க வேண்டும்.

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SOCIAL SCIENCE

Project:- Ch.:- Work life and Leisure:-

- 1) Films on lives of Migrants. Watch any one of the Mumbai films discussed in this chapter. Compare and contrast the portrayal of the city in old and recent films. Write the review in your assignment copy.
- 2). Read and write the Questions and Answers of the Chapter Work life & Leisure and Power Sharing.
- 3) Collect newspaper cuttings on any one aspect of the following topics.
 - i) Power sharing in India & other countries
 - ii) Difficulty in power sharing.
 - iii) Causes of conflicts and methods to resolve the conflicts.
