....

Class IX /Assignment 2   5 APRIL 2020

ENGLISH LANGUAGE: Assignment 3

Change the following according to the instructions given after each without changing the meaning of the sentence.

1. The room is too dirty for us to sit in. (Remove: too)

2. The tea is too hot for me to drink. (Remove: too)

3. She is so proud that she cannot learn. (Use: too)

4. The news is so good that it cannot be true. (Remove: so)

5. It is too cold to go out. (Remove: too)

6. As soon as he saw us, he ran away. (Use: No sooner did)

7. Only a coward would flee from his duty. (Use: None but)

8. The question is difficult. (Use: easy)

9. No sooner did he come he come here than I met him. (Use: As soon as)

10. This fact is so clear that it does not require any proof.(Remove:so)

Assignment 4

Fill in the blanks with the correct form of the verbs given in the brackets:

1. Do not come until I _____ eat my lunch.(finish)

2. The thief _____ by the police.(arrest)

3. My sister _____ tomorrow.(come)

4. When I entered the room, my father _____ some letters.(type)

5. I wish that I _____ the Superintendent of Police(be)

6. My father _____ a car yesterday(buy)

7. We _____ to America when we have our passport ready.(go)

8. By tea time the Indian team _____ 200 runs.(score)

9. Mohan _____ by 5 o' clock everyday.(get up)

10. He _____ castles in the air.(build)

11. Everybody _____food and shelter.(need)

12. O that I _____young again!(be)

13. She _____at me for some time,then went away.(look)

14. I_____packing my luggage.(finish)

15. The journey_____risky even before nightfall.(become)

16. We_____in the garden since morning.(work)

17. But for his help I_____.(not succeed)

18. She_____this novel since morning.(read)

19. When you reach the college,the bell_____.(ring)

20. The soldier was _____dead.(shoot)

Note:To be done in the fair register.

HINDI:

नोट : निर्देश के अनुसार वाक्यों में उचित परिवर्तन कीजिए

1.पृथ्वी का न <u>आदि</u> है, न _____ है। (रेखांकित का विलोम शब्द लिखिए)

2.सूरज पूरब दिशा में <u>उदय</u> व पश्चिम दिशा में _____ होता है। (रेखांकित का विलोम शब्द लिखिए)

3.<u>प्रतिकूल</u> परिस्थितियों को भी मनुष्य अपने विवेक से स्वयं के _____ बना लेता है। (रेखांकित का विलोम शब्द लिखिए)

4.उसके मुँह से फूल गिरते हैं। (शुद्ध कीजिए)

5.घर से <u>खत</u> आया है कि बच्चे <u>बीमार</u> हैं। (रेखांकित शब्दों के शुद्ध शब्द लिखिए)

6.आज देश में एकता बहुत <u>आवश्यक</u> है (भाववाचक संज्ञा में बदलिए)

7.<u>जीवन भर</u> मैं इसी का आचरण करता आया ह्। (एक शब्द)

8.यमराज उस समय यमपुरी में नहीं थे। (' नहीं हटाकर वाक्य पुनः लिखिए परंतु अर्थ ना बदले)

9.'मेरा नया बचपन ' कविता <u>कवित्री</u> सुभद्राकुमारी चौहान न लिखी है। (रेखांकित को शुद्ध कीजिए)

10.प्रत्येक देश भक्त का देश आभारी रहेगा। (शुद्ध कीजिए)

   (समस्त कार्य language notebook में करें)

PHYSICS:

Chapter-Current Electricity

Question 1 What is an electrical cell?

Question 2 What transformation of energy takes place when energy is drawn from a cell?

Question 3 What is the charge on an electron?

Question 4 State two types of current and give one example of each.

Question 5 Write three differences between direct current and alternating current?

Question 6 Define the following:
   i)   electric current
   ii)   potential difference
   iii)   resistance

Question 7 What do you mean by the electric power? write its SI unit.

Question 8 How many electrons would flow per second through the cross section of a wire when the 1 ampere current flows in it?

Question 9 Write symbols and state the functions of each of the following component of electric circuit:
   i)   Ammeter
   ii)   Voltmeter
   iii)   Galvanometer
   iv)   Key
   v)   Battery

Question 10 What do you mean by the following terms?
i)   Earthing
ii)   Short circuit
iii)   Overloading

Question 11 What is an electric circuit?

Question 12 What are the two types of electric circuit connections?

Question 13 How are the electrical appliances connected in a house circuit: series or parallel?

Question 14 How kilowatt hour is related to Joule?

Question15 State Ohm's law.

Question 16 State the factors on which the resistance of a wire depends.

Question 17 What do you mean by the statement that,' the potential difference between two points is 1 volt' ?

Question 18 The resistance of a wire is 1 Ohm. Explain the meaning of this statement.

Question 19 A bulb is connected to a cell. How the resistance of circuit affected if another identical bulb is connected i) in series
ii) in parallel.

Question 20 How the potential difference(V) , current(I), and resistance (R) related ?

CHEMISTRY:

Question 1) Fill in the blanks:-

   (a) Direct combination of SO_2 and H_2O gives ....
   (b) The neutral gas evolved when lead nitrate undergoes thermal decomposition is ....
   (c) An acid that forms SO2 gas is ....
   (d) A reaction in which heat energy is evolved is called ....
   (e) A reaction which takes place in presence of light energy is called..................

Question 2) Give examples of the following types of reactions:

   (a) Precipitation reaction
   (b) Thermal decomposition reaction
   (c) Displacement reaction
   (d) Thermal dissociation reaction
   (e) Neutralisaton reaction

Question 3) Balance the following reactions:

   (a) $CaCl_2$ + Na_2CO_3 → NaCl + $CaCO_3$
   (b) $Pb(NO_3)_2$ + NaCl → $NaNO_3$ + $PbCl_2$
   (c) $FeSO_4$ + NaOH → Na_2SO_4 + $Fe(OH)_2$
   (d) Al + $CuSO_4$ → $Al_2(SO_4)_3$ + Cu
   (e) $Fe(OH)_3$ → Fe_2O_3 + H_2O

Question 4) Define Chemical reaction ? Give two examples (examples should not be repeating)

Question 5) differentiate between :

   (a) Synthesis reaction and a substitution reaction
   (b) Decomposition reaction and a double decomposition reaction

Question 6) Identify the type of reactions mentioned below:

   (a) AB→ A + B   - Heat
   (b) AB → A + B
   (c) AB + XY → AY + XB

Class IX /Assignment 2   5 APRIL 2020

BIOLOGY:

TOPIC-HYGIENE

Q1) what is Hepatitis?

Q2) Name the mosquito that spreads the following diseases and the causal organism of these diseases –

(i)Malaria

(ii)Elephantiasis

(iii)Dengue

Q3) Name the following-

(i)The fish that devours mosquito larvae.

(ii)The water borne disease in which urination stops due to water shortage.

(iii)Common insecticide used to control cockroaches and mosquitoes.

(iv)Disease spread by rats with the help of rat flea living on its body.

(v)Metal found in industrial waste which can cause abnormalities in the nervous system.

(vi)Causal organism causing amoebic dysentery.

(vii)Mode of transmission of Hepatitis A.

(viii)Disease caused by consuming water containing DDT.

(ix)Disease caused due to tannery wastes from leather industries.

(x)The mineral responsible for tooth disorders.

....

Class IX /Assignment 2   5 APRIL 2020

HISTORY:

CH-1 "HARAPPAN CIVILIZATION"

Q1-FILL IN THE BLANKS:-

i) The remains of the two towns _____ and _____reveal a remarkable sense of town planning.

ii) The interesting discovery is of the _____ which had galleries and rooms and an open quadrangle.

iii) From _____ we come to know about the physical features, dress, ornaments and religious beliefs of the people.

iv) The ruins of the city of Harappa was unearthed by _____.

v) The discovery of the ruins of the city of Mohenjo-daro was led by_____.

vi) The Harappan Civilization belonged to the period between_____and_____.

vii) The main occupation of the people of the Harappan Civilization was_____.

viii) The most outstanding work in metal is the bronze figure of a_____.

ix)   The terracotta figurine of the _____ which was found at Mohenjo-daro is an exquisite piece of sculpture.

x) The most important seal is that of the _____ which depicts the three-faced deity seated in a yogic posture.

Q2-ANWER THE FOLLOWING IN SHORT:-

i) What is a citadel?

ii) Mention any two metals used for making ornaments.

iii) Name any two important seal.

iv) Name any two reasons for the decline of the Harappan Civilization.

v) Mention any two most prominent deities which the people of Harappan Civilization worshipped.

....

Class IX /Assignment 2   5 APRIL 2020

COMPUTER:

Chapter – 1 (Introduction to Object Oriented Programming Concept)

Note: Read Chapter 1 and write the answers of the following given questions in your computer notebook.

Q1. Describe all the generations of programming languages. (Page 2,3 and 4)

Q2. Give all the limitations of Procedural programming language. (Page 6)

Q3. Define the term –

A.   Paradigm (page 4 – blue block)
B.   Module (Page 5 – blue block)

Q4. Explain the basic concept of OOP. (Data Abstraction – page 9, Encapsulation – Page 9, Polymorphism – page 11, Inheritance – page 10)

Q5. Write all the advantages and disadvantages of OOP. (Page 12)

NOTE: For question number 3 and 4 only write the definitions of the terms from your text book written on the mentioned page numbers in blue coloured block.

GEOGRAPHY:

1. Study the printed Maps, In the map booklet:
   A) Practise MAP 3: Label and color all the mountains
   B) Practise MAP 4: Label and Color all the plateaus

2. At the back of practice Map 3 drawa neat and well labelled diagram of 'heat zones' (Page 16, Fig 2.4)

 3. Learn terms to remember as mentioned on Page 12 and 20.

Class IX /Assignment 2   5 APRIL 2020

HOME SCIENCE:

Unit II Food and Health

Chapter 2 Food and Health

Question 1

1. Give the functional classification of Nutrients
    a. Body building nutrients are _____
    b. Energy giving nutrients are _____
    c. Body protecting nutrients are _____
    d. Nutrient regulating body functions are _____ and _____

2. Name the major functions of food
    a. _____
    b. _____
    c. _____

3. Name four unhealthy foods
    a. _____
    b. _____
    c. _____
    d. _____

Question 2

1. What serves as the medium of transportation of the nutrient.
   Ans : _____

2. The lifestyle diseases are caused by over consumption of nutrients like _____ and _____

3. Emotions like love, anger, jealousy and worry are a part of _____ health.

4. Name the medical science which mentions that the food affects the mood and attitude of a person.
   Ans : _____

Eating the right amount of food with the adequate amount of exercise brings about _____ well – being.

Class IX /Assignment 2   5 APRIL 2020

MATHS:

COMPOUND INTEREST - WORKSHEET 2

Q1 Find the amount and the Compound Interest on Rs 8000 at 5% p.a. for 2 years, money being compounded annually.

Q2 Find the amount and the Compound Interest on Rs 5000 for 2 years when the rate of interest for successive year is 6% and 8% respectively.

Q3 Find the amount and the Compound Interest on Rs 5000 at 10% p.a. for 1 years, Compound Interest reckoned half yearly.

Q4 Find the difference between C.I. and S.I. on a sum of Rs 4800 for 2 years at 5% p.a. payable yearly.

Q5 The simple interest on a sum of money for 2 years at 12% p.a. is Rs 1380. Find.
   a) The sum of money.
   b) The compound interest on the sum for one year payable half yearly at the same rate.

MENSURATION

Q6 Find the area of a triangle whose sides are 29cm, 20cm and 21cm.

Q7 The base of a right angled triangle is 12cm and its hypotenuse is 13cm long. Find the area and perimeter of the triangle.

Q8 Find the area of an equilateral triangle whose side is 8cm. Give your answer correct to 2 decimal places ($(\sqrt{3} = 1.732)$.

Q9 The area of an equilateral triangle is $81\sqrt{3}$ cm^2. Find its perimeter.

Evaluate without using trigonometric tables.

Q10 $Cos^2 20^0 + Cos70^0 sin20^0 + \frac{\tan 10^0}{\cot 80^0}$

Q11 $\frac{cos50^0}{sin40^0} + \frac{cos59^0}{sin31^0} - 8\sin^2 30^0$

Q12 $\sin^2 34^0 + \sin^2 56^0 + 2tan80^0 tan10^0 - \cot^2 30^0$

Q13 $\frac{sin35^0 cos55^0 + cos35^0 sin55^0}{cosec^2 10^0 - tan^2 80^0}$