Shriram School Mawana
Holiday Homework
Class- XI-A
Sub: - English
Worksheet- 1
(Writing skills & Grammar)
M.M. - 20

Ques. 1. Write an article on the topic 'Hazards of Polythene Bags' taking the help from the hints given below.   1x10=10

Hints:- non biodegradable - pollutes soil, water etc. - harms animals, birds - causes cancer - creates insanitary conditions - blocks drains, sewer lines - should be banned completely.

Ques.2. Fill in the blanks by choosing the appropriate determiners given below.
(the, many, one, few, a, her,) **1x6=6**

I have met (a)……… people in my life but (b) …….. person who has influenced me (c) ……. most is Mother Teresa. To me she has been (d) …….. symbol of true religion (e). ……. people can do what she has done. If we adopt (f)......... ideology, the world would become a better place to live in.

Ques. 3. Edit the paragraph given below and write the incorrect and correct words in front of each line. There's a mistake in every line.
                              1x4=4

People of diverse cultures lives	a. ...
together in India. There is many.	b. ...
People who exhibit unity on diversity.	c. ...
They celebrated different festivals	d. ...
together.	

Shriram School Mawana
Holiday Homework
Class- XI-A
Sub:-English
Worksheet- 2
(Literature)
M.M. - 20

Ques. 1. Read the extract given below and answer the questions that follow. 1x4=4

'A sweet face,
My mother's, that was before
I was born. And the sea which
appears to have changed less,
Washed their terribly transient feet. '

1. Where are these lines taken from?
2. Who is the poet of these lines?
3. What has not changed much and why?
4. What is being indicated in the phrase terribly transient feet?

Ques. 2. Read the lines given below and answer the questions that follow. 1x4=4

"There were no dogs in the streets and she took to feeding sparrows in the courtyard of our city house"

1. Who is 'she' referred to here?
2. Which streets are talked about here?
3. What did she feed the sparrows with?
4. Name the chapter and its author.

Ques. 3. Answer the following questions in about 40 to 50 words.   3x4=12

1. Why was the author's grandmother unhappy with the city education?

2. How did Suzanne suffer when the wave struck the ship?

3. What did John Byro say to the boys when he found them walking with his horse?

4. What were the peculiarities in Uncle Khosrove's behaviour?

Shriram School Mawana
Holiday Homework
Class- XI-A
Sub:-English
Worksheet- 3

(PROJECT WORK)

Ques. 1. Write a story review of the chapter 'The Portrait of a Lady' or 'The Summer of the Beautiful White Horse' in about 200 - 250 words.

- **Begin with the gist of the story.**
- **Then write how did you like the story and why?**
- **Then explain which part of the story you liked the most and why?**
- **Then mention which character is your favourite in it and why?**
- **And then the conclusion.**

SHRIRAM SCHOOL , MAWANA

HOLIDAY HOME WORK

SUBJECT-PHYSICS

CLASS XI

WORK SHEET -1

Obtain the dimension formula the following

1. **Angular velocity**
2. **Moment of inertia**
3. **Velocity gradient**
4. **Pressure gradient**
5. **Specific heat**
6. **Latent heat**
7. **Thermal conductivity**
8. **Universal gas constant**

WORK SHEET -2

1. **Drive by the method of dimension an expression for the volume of a liquid flowing out per second through a narrow pipe assume that the rate of flow of liquid depends on coefficient of viscosity, radius of the pipe, pressure gradient**
2. **The orbital velocity v of a satellite may depends on its mass m the distance r from the centre of the earth and the acceleration due to gravity. Obtaining expression for its orbital velocity with the help of dimension analysis.**
3. **The velocity v of a free falling body is the function of the distance fallen h through and acceleration due to gravity g .obtain the relation between velocity acceleration due to gravity and height.**
4. **A body of mass m is moving in a circle of radius r with angular velocity w . Find the expression of the centripetal force acting on it by the method of dimensions.**
5. **Define order of magnitude.**

General instructions :

■ **Do your homework neatly.**

■ **Holiday homework can be done in fair register .**

Q.1 Very Short Answer Questions.

a) Given that density of water is 1g /ml. What is its density in kg/ m³?

b) Why is air sometimes considered as a heterogeneous mixture?

c) What is the use of the drug 'taxol'?

d) What is the number of significant figures in π?

Q. 2 Short Answer Questions-I.

a) A jug contains 2L of milk. Calculate the volume of milk in m³.

b) Define Empirical formula and Molecular formula. What is the relationship between them.

c) Nitrogen forms a number of oxides. Write their formulae and give their names. Giving appropriate calculations, explain the law that follows from it.

d) What do you understand by unit conversion factor?

e) Give examples of homogeneous mixtures in different physical states(two each)

Q. 3 Short Answer Questions -II.

a) How many atoms and molecules of sulphur are present in 64.0 g of sulphur (s_8)?

b) On analysis , a substance was found to have the following percentage composition :
K =31.84% ,Cl=28.98 and O=39.18%

Calculate its molecular formula if its molecular mass is 122.5.

Topic-Investigatory Project

Prepare a project report (investigatory) involving laboratory testing and collecting

information from different sources on any one of the following :

■ Checking the bacterial contamination in drinking water by testing sulphide ion.

■ Study of the methods of purification of water.

■ Testing the hardness, presence of iron, fluoride, chloride etc. depending upon

the regional variation in drinking water and study of causes of presence of these

ions above permissible limit (if any)

■ *Investigation of the foaming capacity of different washing soaps and the*

effect of addition of sodium carbonate on it.

■ *Study the acidity of different samples of tea leaves.*

■ *Determination of the rate of evaporation of different liquids.*

■ *Study the effect of acids and bases on the tensile strength of fibres.*

■ *Study of acidity of fruits and vegetables juices*

Note : Any other topic for investigatory project can be chosen with the approval

of the teacher.

Subject Teacher : Mrs Alpna Plawat

M.M- 20

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SECTION- A   (1 x 4 = 4)

1. If and B are disjoint sets containing n and m elements respectively their write the number of elements in A U B and A ∩ B.

2. Let $f(x) = x^2 + x$ then write $f(y-1)$.

3. Let A = {1,2} and B = {3,4}. Find the number of relations from A to B.

4. In a school there are 20 teachers who teach mathematics or physics. Of these, 12 teach mathematics and 4 teach both physics and mathematics. How many teach physics ?

SECTION- B   (2 x 5 = 10)

5. Let ∪ = {1, 2, 3, 4, 5, 6}, A = {2, 3} and B = {3, 4, 5}. Find (i) B′ − A′ (ii) (B − A)′.

6. If A = {3, 6, 9, 12, 15, 18, 21}, B = { 4, 8, 12, 16, 20 }, C = { 2, 4, 6, 8, 10, 12, 14, 16 }, D = {5, 10, 15, 20 }; find (i) A − B (ii) A − C (iii) A − D (iv) B − A

7. Let A = {1, 2, 3, 4, 6}. Let R be the relation on A defined by {(a, b): a, b ∈ A, b is exactly divisible by a}. (i) Find the domain of R (ii) Find the range of R

8. If U = {1, 2, 3, 4, 5, 6, 7, 8, 9 }, A = {2, 4, 6, 8} and B = { 2, 3, 5, 7}. Verify that (A U B)' = A' ∩ B'

9. . Let A ={1,2,3,4}, B = {1,5,9,11,15,16} and f = {(1,5), (2,9), (3,1), (4,5), (2,11)} Are the following true? (i) f is a relation from A to B (ii) f is a function from A to B. Justify your answer in each case.

SECTION- C   (3 x 2 = 6)

10. For set A,B and C, draw Venn diagram of the following.

     (i) (B ∩C)'   (ii) (A-B)'

11. Survey of 500 television viewers produced the given information; 285 watch football, 195 watch hockey, 115 watch cricket, 45 watch football and cricket, 70 watch football and hockey, 50 watch cricket and hockey. 50 do not watch any of the three games. How many watch exactly one of the three games ?

SHRIRAM SCHOOL, MAWANA
SUB- Mathematics
CLASS-XI
HOLIDAY HOMEWORK
WORKSHEET-2

M.M- 20

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SECTION - A   (1 x 4 = 4)

1. Let U be the set of all triangles in a plane. If A is the set of all triangles with at least one angle different from 60°, then write A'.

2. Let f = {(1,1), (2,3), (0, −1), (−1, −3)} be a linear function from Z into Z. Find f(x).

3. If U = {1, 2, 3, 4, 5, 6, 7, 8, 9 }, A = {2, 4, 6, 8} & B = { 2, 3, 5, 7} then find A' ∩B'

4. In a group of 400 people, 250 can speak Hindi and 200 can speak English. How many people can speak both Hindi and English?

SECTION- B   (2 x 5 = 10)

5. Write the following sets in roster form: (i) D = {x : x is a prime number which is divisor of 60} (ii) C = {x : x is a two-digit natural number such that the sum

6. If U = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10}, A = {1, 2, 3, 5}, B = {2, 4, 6, 7} and C = {2, 3, 4, 8}. then find (C − A)'.

7. Given L = {1, 2, 3, 4}, M = {3, 4, 5, 6} and N = {1, 3, 5} Verify that L − (M U N) = (L − M) ∩ (L − N)

8. If U = {1, 2, 3, 4, 5, 6, 7, 8, 9 }, A = { 2, 3, 5, 7 } and B = {2, 4, 6, 8} Verify that (A ∩ B)' = A' U B'

9. Is the given relation a function? Give reasons for your answer.
(i) h = {(4, 6), (3, 9), (− 11, 6), (3, 11)}
(ii) f = {(x, x) | x is a real number}
(iii) s = {(n, n2) | n is a positive integer}
(iv) t = {(x, 3) | x is a real number.

SECTION- C   (3 x 2 = 6)

10. For set A,B and C, draw Venn diagram of the following.

   (i) (B U C)'   (ii) (B-A)

11. In a survey it was found that 21 people liked product A, 26 liked product B and 29 liked product C. If 14 people liked products A and B, 12 people liked products C and A,

14 people liked products B and C and 8 liked all the three products. (i) Find how many liked product C only. (ii) Find how many liked exactly one product. (iii) Find how many liked exactly two products.

Answer the following questions:

Q1. Who proposed a five kingdom system classification?

Q2. Name a group of monerans which lacks a cell wall.

Q3. What are coprophilous fungi?

Q4. Name the fungus that occur as parasite on mustard plant.

Q5. How do euglenoids obtain their food?

FILL IN THE BLANKS:

1.___ proposed the system of binomial nomenclature.

2. The number and types of organisms present on the earth is called_____.

3. The arrangement of various taxonomic categories in a definite order is called_____.

4._____ are the places which have collections of preserved animals and plants for taxonomic studies.

5.____ are the places where wild animals are kept under protected environment.

Learn and write all NCERT exercises of chapter 1 and 2 in your fair note book

Prepare a project file .

SUBJECT teacher: sarita Tyagi

SHRIRAM SCHOOL, MAWANA

HOLIDAY HOME WORK(2021-22)

CLASS XI

SUBJECT: I.P

- ➢ MAKE A PPT ON TOPIC DATABASE CONCEPTS.
- ➢ PPT SHOULD COVER ALL THE TOPICS OF THE CHAPTER AND SHOULD HAVE MIN 15 SLIDES.

SHRIRAM SCHOOL,MAWANA
Sub.-Fine Art
HOLIDAYS HOME WORK
Class-11(A,B)

Q,1 Where are the Prehistoric rock paintings found in India?

Q,2 Write a short note on A Roaring animal of Bhimbetka?

Q,3 Write a short notes on Wizard's dance?

Q,4. Draw a picture of Landscape and colour them,

Q,5 Draw a picture of still life and colour them,

विषय (हिन्दुस्तानी संगीत गायन)

कक्षा ग्यारह

1. स्वर की उत्पत्ति कहाँ से हुई?
2. भारतीय संगीत में स्वरों की संख्या और उनके नाम लिखें!
3. स्वर कितने प्रकार के होते हैं? सविस्तार वर्णन करें!
4. सप्तक को परिभाषित करते हुए उसके प्रकार लिखें!
5. आधुनिक संगीत में थाट पद्धति किसकी देन है?
6. थाटों के नाम, उनके प्रकार व विशेषताएं लिखें!

Shriram school Mawana

Holiday Homework

Class---- 11th

Subject—Physical Education

 M.M.   20

Q. 1. Define physical education

Q. 2. Describe any three objectives of physical education.

Q. 3. Briefly explain paralympics

Q. 4. Explain the objectives of Olympic games

Q. 5. Make a list of composition in various sports at National and international level

Athletes , Basketball, Badminton, Cricket and Hockey