

DAV PUBLIC SCHOOL PRATAP VIHAR GHAZIABAD

HOLIDAY HOME WORK (2020-21)

SUBJECT – ENGLISH

CLASS- XI

Your holiday homework this year is a fun mix of all the aspects of the language. It has been designed to ensure that you enjoy and learn at the same time.

1. Write an article on the following topics: (Any Two)
 - (A) Brain Drain is not a bane for a country like India
 - (B) India: a medical tourism hub
 - (C) Science is a threat to humanity
 - (D) Covid 19
2. Make poster on the following topics: (Any Two)
 - (a) Unity in Diversity
 - (b) India On a Path of Economic Freedom
 - (c) Education is the Right of Every Child
 - (d) Keep Calm and Stay Home
3. Make a PPT or Chart on the following topics. (Any Two)
 - (a) Discovering Tut
 - (b) Passive Voice
 - (c) Formal Letter
 - (d) Father to Son(Poem)
4. Write a book review on the following books. (any two)
 1. The Adventure of Tom Sawyer
 2. Great Expectation
 3. The Adventure of Sherlock Holmes
 4. Before I Fall

Note: - All work will be done in the respective fair notebook/registers.

D.A.V. PUBLIC SCHOOL PRATAP VIHAR GHAZIABAD

HOLIDAY HOME WORK CLASS XI (2020-21)

SUBJECT : MATHEMATICS

NOTE : Do all questions in class work Register.

Q1 A survey of 515 television viewers, produced the following information; 285 watch football, 195 watch hockey, 115 watch basketball, 45 watch football and basketball, 70 watch football and hockey, 50 watch hockey and basketball, 50 do not watch any three games. How many watch all the three games? How many watch exactly one of the three games?

Q2 Define following function and plot graph of each function:

Identity function , Constant Functon, Polynomial Function ,Rational function , The Modulus Function , Signum function and Greatest integer Function .

Q3 If $A = \{3, 5, 7, 9, 11\}$, $B = \{7, 9, 11, 13\}$, $C = \{11, 13, 15\}$, $D = \{15, 17\}$.

Find $(A \cap B) \cap (B \cup C)$.and verify $(A - B) \cup (B - A) = (A \cup B) - (A \cap B)$

Q 4 How many 4- digit numbers can be formed by using the digits 1 to 9 if (i)repetition of digits is not allowed?(ii) repetition of digits is allowed?

Q 5 A Committee of 7 students to be formed from 9 boys and 4 girls . In how many ways this can be done when the committee consists of

(i) Exactly 3 boys ? (ii) atleast 3 boys ? (iii) atmost 3 girls ?

Q-6 Complete all Activities. Revise All Topics taught in Class ,from Exemplar.

DAV Public School Pratap Vihar Ghaziabad
Class –XI Physics
Holiday Homework 2020-21

Teacher: Sanjay Singh

Q 1 Explain the following indirect methods of measurement.

- (i) Parallax method to find large distances.
- (ii) Method to find size of molecule of oleic acid.

Q 2. What do you mean by errors, precession and accuracy. Then explain the types of errors.

Q 3 Write the uses and limitations of dimensions with examples.

Q 4. Derive the equations of motion by calculus method.

Q.5 Derive for the equation of projectile after defining it. The find

- (i) Total time of flight.
- (ii) Height of projectile.
- (iii) Range of projectile
- (iii) Two angles for same range.

Note:

Students have to revise the covered syllabus.

DAV Public School Pratap Vihar Ghaziabad
Class –XI Chemistry
Holiday Homework 2020-2021

Teacher: Himmi Grover

Q 1 If two elements can combine to form more than one compound, the masses of one element that combine with a fixed mass of the other element, are in whole number ratio.

- (iv) Is this statement true?
- (v) If yes, according to which law?
- (vi) Give one example related to this law.

Q 2 The reactant which is entirely consumed in reaction is known as limiting reagent. In the reaction



- (i) Which is the limiting reagent? (ii) Calculate the amount of C formed?

Q 3 Two particles A and B are moving with the same velocity but wave length of A is found to be double than that of B. What do you conclude?

Q 4 The density of 3M solution of NaCl is 1.25 g mL^{-1} . Calculate the molality of the solution.

Q.5 How can you apply green chemistry for the following?

- (i) To control photochemical smog
- (ii) To avoid use of halogenated solvents in dry cleaning and that of chlorine in bleaching.
- (iii) To avoid use of synthetic detergents
- (iv) To reduce the consumption of petrol and diesel.

Q6 Which of the following will not show deflection from the path on passing

through an electric field? Proton, cathode rays,
electron, neutron.

Q7. An atom having atomic mass number 13 has 7 neutrons. What is the atomic number of the atom?

Q8. Wavelengths of different radiations are given below :

$\lambda (A) = 300 \text{ nm}$ $\lambda (B) = 300 \mu \text{ m}$ $\lambda (C) = 3 \text{ nm}$ $\lambda (D) = 30 \text{ \AA}$ Arrange these radiations in the increasing order of their energies.

Q9 The electronic configuration of valence shell of Cu is $3d^{10}4s^1$ and not $3d^94s^2$. How is this configuration explained?

Note: Students have to revise the covered syllabus.

D.A.V. Public School Pratap Vihar, Ghaziabad
Class- XI Subject: Biology

Session 2020-21

Holiday Homework

- Q.1. Write the full form for the following code – ICVN, ICBN, ICZN, ICNB.
- Q.2. How will a scientist go about the identification, nomenclature and classification of a plant which he feels is a new species?
- Q.3. Discuss different systems of classification briefly.
- Q.4. Give a comparative account of classes of kingdom fungi on the basis of mode of nutrition and mode of reproduction.
- Q.5. Collect atleast 10 medicinal plants. Write its medicinal values.

NOTE: Holiday Homework is to be done in Biology note-book.

D.A.V. PUBLIC SCHOOL, PRATAP VIHAR, GHAZIABD

HOLIDAY'S HOME WORK

XI, BUSINESS STUDIES

2020-21

1. Manjeet Pvt. Ltd. Is a reputed company manufacturing computers. The company is earning a considerable profit. Both the proprietors and the employees are putting their best efforts to make good quality products available to the customers at a low price, paying its shareholders a good amount of dividends and the employees a reasonable remuneration. This contributes to the successful operations of the business. With increased profits over time, the company's foundation becomes strong, and it earns a good reputation in the society. It utilise its profits to finance its growth and expansion requirements.

Explain the role of profit in business of Manjeet Pvt. Ltd. By quoting the lines from above para.

2. ' only sale or exchange of goods and services for the profit is business.' Do you agree with the statement? Give reason in support of your answer
3. Ganga Ltd. Is a popular company manufacturing water coolers. Its product is very much liked by people in the market. The traders are in a race to become the company's distributors. The company had been earning huge profits for many years. However, in the year 2018, the company's half yearly report shows a great decline in company's profit. The top management is worried about this. A team of specialists from outside is appointed to solve this serious problem. After a thorough examination, the specialists presented the following reasons for the decline in profits of the company.
 - i) Increase in competition and change in taste of the consumers.
 - ii) Theft of cash and goods by the employees.

Identify and explain the two causes of decline in profits.

4. MVT Constructions Pvt. Ltd. Deals in constructing building, bridges, roads and dams by using cement, steel, bricks and wood. There are 1000 employees in all working in this company. The managing director of the company, Mr. Shyamsunder, takes full care of the quality of the work done. Recently, the company got a contract of constructing five big buildings, two bridges, one long road and one dam. The company has got a special division also, which owns one hundred trucks. These trucks are used for transporting goods on hire. This division is working quite successfully under the supervision of the divisional manager, Radhika Dasi.

Identify and state two types of industrial activities from the above para by quoting lines.

5. Shreya and vrinda joined together and established a partnership firm dealing in electronic goods. Each one of them looks after one particular department. They had made it certain that every Saturday they would hold a meeting and share the information on the activities of their respective departments. In one of their meetings, they discuss about some key areas on which they should focus their attention. Shreya says, “ we should focus on increasing the number of product and profits.” On the other hand, Vrinda says, “ we should keep clear of the anti social activities like adulteration, hoarding and profiteering, and contribute to the benefits of the society like opening charitable dispensary, educational institution, etc.

What are the objectives of business Shreya and Vrinda focusing on? Explain

D.A.V. PUBLIC SCHOOL, PRATAP VIHAR, GHAZIABD

HOLIDAY'S HOME WORK

XI, ACCOUNTANCY

2020-21

1. Production at a factory had to stop for a week due to labour strike. The owner estimated the loss of production and the likely loss of profit arising out of station. He directed the accountant to record the loss in the boss of account. Is the owner correct in recording the likely loss? Give reasons.
2. Recording the transactions and events correctly and preparing financial statements are the only objective of accounting. Do you agree?
3. An infrastructure building highways has a contract to construct road of 25 kms. The project is likely to be completed in 4 years. It has approached a bank seeking finance. The bank has requested them to prepare projected yearly accounts whereas the company has argued that since the project shall be completed in 4 years, projected accounts should be prepared for the end of the project. Is the company correct in its view? Give reason.
4. Rahul, the proprietor of M/s. R.K. & Co. purchased an air conditioner and installed it at his residence. The payment was made by issuing a cheque from the account of M/s. RK & CO. The accountant debited the drawings account with the amount whereas Rahul is of the view that it should be debited to the Fixed Assets. In your view who is correct and why?
5. Vijay, a consultant, during the financial year 2017-18 earned Rs. 4,00,000. out of which he received Rs. 3,50,000. He incurred an expense of Rs. 1,70,000 out of which Rs. 40,000 are outstanding. He also received consultancy fee relating to previous year Rs. 45,000 and also paid Rs. 20,000 expense of last year.

You are required to determine his income for the year if:

- i) He follows cash basis of accounting
- ii) He follows accrual basis of accounting.

D.A.V PUBLIC SCHOOL (10+2), PRATAP VIHAR, GHAZIABAD (U.P.)

SUBJECT-ECONOMICS

SESSION (2020-2021)

HOLIDAY HOME WORK

CLASS-XI

Q1.THE DISTRIBUTION OF AGE AT MARRIAGE OF 50 MALES IS GIVEN BELOW-

AGE IN YEARS- 20 21 22 23 24 25

NO.OF MALES- 1 2 4 5 15 23

(Ans-MEAN AGE AT MARRIAGE=24YEARS)

CALCULATE ARITHMETIC MEAN BY USING STEP DEVIATION METHOD.

Q2.FIND MEAN FOR THE FOLLOWING DATA BY USING I)SHORT CUT METHOD II) STEP DEVIATION METHOD

X 100-200 200-300 300-400 400-500 500-600

Y 10 18 12 20 40 (MEAN=412)

Q3.Find out Median of the following series.

(Ans-M=25)

Size	15	20	25	30	35	40
Frequency	10	15	25	5	5	20

Q4 Find out Mode of the following data by Grouping Method.

(Ans-Z=50kg)

Weight (inKg)	48	49	50	51	52	53
No.of students	4	10	20	11	3	2

Q5.CALCULATE MOC & MRT AND DRAW PPF WITH PROPER EXPLANATION

Commodity x	20	14	9	5	2	0
Commodity y	0	1	2	3	4	5

Note- Do the following work in Statistics note-book.

D.A.V. Public School Pratap Vihar Ghaziabad

Holiday Home Work [2020-21]

Class – XI

Subject – Physical Education

Practical file

1. Choose any one sports and game and write down the following :-
 - (a) Write down its History, measurement , a neat and clean diagram.
 - (b) Write down its fundamental skills and terminology.
 - (c) Write down the latest rules and regulation.

**DAV Public School (10+2), Pratap Vihar, Ghaziabad
Computer Science Holiday Homework (2020 – 21)**

CLASS XI

Q1. Make Python programs(save also) for following questions:-

- i. To calculate the square root**
- ii. To calculate the sum of 10 first natural numbers**
- iii. To make pattern programs:-**
 - a.**
*
* *
* * *
* * * *
 - b.**
1
1 2
1 2 3
1 2 3 4
- iv. To convert decimal into other number systems**

Q2. Do the following questions(in your notebook):-

1. Which is the correct operator for power(xy)?
a) X^y b) $X**y$ c) $X^{\wedge}y$ d) None of the mentioned
2. Which one of these is floor division? a) / b) // c) % d) None of the mentioned
3. What is the order of precedence in python?
i) Parentheses ii) Exponential iii) Multiplication iv) Division
v) Addition vi) Subtraction
a) i,ii,iii,iv,v,vi b) ii,i,iii,iv,v,vi c) ii,i,iv,iii,v,vi d) i,ii,iii,iv,vi,v
4. What is answer of this expression, $22 \% 3$ is?
a) 7 b) 1 c) 0 d) 5
5. Operators with the same precedence are evaluated in which manner?
a) Left to Right b) Right to Left c) Can't say d) None of the mentioned
6. What is the output of this expression, $3*1**3$? a) 27 b) 9 c) 3 d) 1

7. The expression $\text{int}(x)$ implies that the variable x is converted to integer. State whether true or false. a) True b) False

Learn all the previously done work.

DAV PUBLIC PRATAP VIHAR, GHAZIABAD

HOLIDAY HOMEWORK

SUBJECT – MASS MEDIA

CLASS-XI

1. Write an article to be sent to the press (leading newspaper/local dailies) containing details about the youth festival. Your articles should outline the following points:-
 - Objective behind holding the festival .
 - Unique features.
 - Event highlight.
 - Indirect benefits to students organizing/ participating in events.
 - Name of important personalities/guests.
2. Movie review:
 - Name of the movie
 - Director of the movie
 - Cast
 - Storyline
 - Theme
 - Music
 - Action
 - Direction
 - Recommendation

Using the above notes write your movie review approximately in 250 words. Read it carefully make the required changes.

