



## DELHI PUBLIC SCHOOL, DAULATPUR

### SUMMER HOLIDAY HOMEWORK

CLASS: XI (2020-21)

#### SCIENCE STREAM

#### ENGLISH

- Read the novel **Twenty Thousand Leagues Under the Sea** by Jules Verne during your summer vacations.
  - Note down the difficult words/phrases and find their meanings from the dictionary.
  - Write the summary of the novel in not more than 300 words. (*To summarise a story means to briefly describe what the main idea of the story is.*)
  - Present (record your video) a review of the novel in not more than two minutes. (*To review a book means to evaluate or express your opinion about the book based on its content, style, and merit.*)
- Write an essay on the topic - **How South Korea Inspires Me**- in 300 to 500 words. The essay must be submitted in the form of a PDF file.

#### BIOLOGY:

Attempt **any three** of the following-

1. Define the following terms:

- a. Nomenclature      b. Identification      c. Systematics      d. Classification  
e. Biodiversity

2. Differentiate between the following:

- a. Photosynthetic autotrophs and chemosynthetic autotrophs  
b. Manuals and Monographs      c. Herbarium and Botanical garden  
d. Spirilla and Cocci      e. Protista and Monera

3. Draw a labelled diagram of the blue green algae 'Nostoc'.
4. Give reasons for the following:
  - a. Growth and reproduction cannot be the defining property of the living organisms.
  - b. Organisms belonging to the same 'class' will have more features in common in comparison to organisms belonging to the same order but two different classes.
  - c. Museum cannot be the taxonomical aid to study the habitat of the organism.
  - d. Two kingdom classification was replaced by the five kingdom classification.
  - e. Archae bacteria are able to survive in extreme environmental conditions like hot sulphur springs.
5. Write the taxonomical categories in hierarchal order for the following organisms:
  - a. Man
  - b. Mango
6. State how the organisms are kept in 'Museum' as taxonomical aids. Make the taxonomical key for:-
  - 1) 'Mammals'
  - 2) 'Echinoderms'

## **MATHEMATICS**

Practice all the trigonometry calculations done till date.

## **PHYSICS**

Revise the basic mathematics and the portion of physics concepts covered for Unit Test-1.

## CHEMISTRY

- Revise all the notes given.
- Practice all the numericals given in the worksheets.
- Do all the NCERT textbook questions of Unit-1 in your register.

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## HUMANITIES STREAM

### POLITICAL SCIENCE

(1) The outbreak of **Corona virus** disease (**COVID-19**) has created a global health crisis that has made a deep impact on the way we perceive our world and our everyday lives. The WHO has declared Corona virus outbreak as a pandemic.

Students have to study the case and make a project file on it. Students have to mention the symptoms, measures, guidelines of the government, its impact on the common people and economy etc. The Project Report should be handwritten by the student.

### PSYCHOLOGY

- Maintain the notes of chapters 1 and 2 (till questionnaire survey)
- Revise all the notes.

### ECONOMICS

Prepare the following topics thoroughly:

- Introduction to microeconomics
- Consumer's equilibrium
- Introduction to statistics

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## COMMERCE STREAM

### ACCOUNTANCY

Attempt **any ten** questions from the following:

#### **Ch-1 Introduction to accounting**

1. Confidence and trust that the reported information is a reasonable representation of the actual items and events, that have occurred, indicate which qualitative characteristic of accounting information.
2. State whether a large order of supply of goods received by the firm be recorded in books.
3. Appointment of a new managing director is not recorded in the books of accounts. Why?
4. What is a person to whom money is owed by a firm called?
5. Mr Raj, an electronic goods dealer, gifted a microwave of value Rs. 30,000 to his friend Rohan and recorded it in books as drawing. Is he correct?
6. Is accounting an art or a science?
7. Accounting information refers to financial statements. The information provided by these statements can be categorised into ...

#### **Ch-2 Theory Base of Accounting**

1. Which principle states that the accounting data should be definite, verifiable and free from the personal bias?
2. The cost of a small calculator is accounted as an expense and not shown as an asset in financial statements of a business entity due to which concept?
3. Omission of paise and showing the round figures in financial statements is based on which concept?
4. The management of a firm is remarkably incompetent but the firms accountants cannot take this into account while preparing book of accounts of which concept?
5. An accountant has recorded advance received against sale of goods as 'advance against sale' and not sales. Is he correct in doing so? If yes name the accounting concept which requires so?
6. Why is it necessary for accountants to assume that business entity will remain a going concern?
7. What is the basic accounting equation?
8. 'Only financial transactions are recorded in accounting'. Explain the statement.

9. What is matching concept? Why should a business concern follow this concept? Discuss.

10. Briefly explain your understanding of IFRS and also give the underlying assumptions in IFRS.

## **BUSINESS STUDIES**

Attempt **any twenty** questions from the following:

Q1. Give an example of activity which is economic in one side and noneconomic on other side.

Q2. Why is business considered an economic activity?

Q3. If a person sells his domestic computer at a profit, will it be considered a business? Also explain the characteristic of business which is being stressed upon in the above said example.

Q4. Name the economic activity in which specialized knowledge is required.

Q5. Why is the insurance known as a tertiary industry?

Q6. Mr Rajnesh sold his furniture & bike on OLX as he was shifting base to London. Is this a business activity? Which element of business is being referred to here?

Q7. ABC Ltd. is planting a tree on roadside. Which objective it is trying to achieve?

Q8. All human being fulfill their different needs by performing certain activities. Can you suggest

and Explain the activities undertaken by them.

Q9. Write four differences among business, profession and employment.

Q10. No business is risk free in the light of this statement, explain the concept of business risk and its any three causes.

Q11. Explain any four objectives of business.

Q12. Define commerce, why is it of great importance in modern life?

Q13. Distinguish between primary & secondary industry Give examples.

Q14. Tea is mainly produced in Assam, while cotton in Gujrat&Maharashtra but they are required for consumption in different parts of the country. How can this hindrance of place be removed? Also under what business activity will it be categorised.

Q15. Categories the following into business, profession and employment. (i) A farmer (ii) An advocate (iii) A clerk (iv) A hawker selling toys for children (v) A doctor (vi) A person repairing scooter on roadside

Q16. Define business. Explain the characteristics of business (any four)

Q17. Commerce is the sum total of activities that remove hindrances in the free flow of goods from producers to consumers. Explain.

Q18. Explain any six factors that are important to be considered while starting a business.

Q19. Write difference among industry, commerce and trade on any five basis.

Q20. Profit maximization cannot be the sole objective of a business. Explain.

Q21. 'Creative Strokes' is an advertisement agency initiated by Rohit, Shagun&Pratima. They have called a meeting to discuss the below given points:  
(i) Increase the profit margin by 10% in May. (ii) Capturing a bigger share in the market. (iii) Making use of better cameras & improved techniques. (iv) Making best use of cameras, lights, cameramen, finance etc. employed by the business.  
(v) Improve efficiency in all regards of functioning of business.

(a) Which aspects of business objectives are being referred to here? (b) Also develop each point to be discussed in the meeting by classifying the

Q22. NathuLal prepares 'sonpapri' for customers during Diwali season every year. He prepared more 'Sonpapari' than he could sell this year. He employed women and children also and paid them less salary manufacturing on the packages. This way he generated profit for himself.

(a) Do you think he is fulfilling all the objectives of business? (b) If not which aspects of this objective are not being fulfilled? (c) Write any two values lacking in Nathu Lal.

Q23. Classify the below given business into different types of industries: Crude oil business producing steel from iron ore Cosmetics manufacturing producing computers construction of dams.

Q24. In business activities, there are some activities that are involved in the removal of hindrances in process of exchange i.e. from the producer to the consumer Identify them. Also classify the activities which help in removing the following hindrances: (i) Hindrance of place

(ii) Hindrance of risk

(iii) Hindrance of time (iv) Hindrance of finance (v) Hindrance of information

Q25. Different situations in different business are being elaborated below:

(i) Raghunath Gorkha had a match stick factory in Nepal which got destroyed by the recent earthquake. (ii) Mr Arya, a senior manager in a telecom company shared confidential information about the

company with a competitor which led to huge losses for the company.

(i) Vodafone Co. was charged with evasion of tax and asked to pay fine in cross which would lead to heavy losses for the company. (ii) Type writers becoming redundant is being referred to in all the above cases? (a) Which characteristic of business is being referred to in all the above cases (b) How can you classify the different cases based on this characteristic?

Q26. Dr. Kumar is an orthopedic surgeon in Jaipur Golden Hospital and Dr Mahajan, his friend is a Pediatrician who has set his own clinic. Dr Mahajan's wife, Ms. Rajni operates her Jewellery store. Compare & differentiate the nature of tasks undertaken by them.

Q27. Zainab, Shelly & Ravina are friends. They have just completed a fashion designing course. They wish to start a business together. They have Rs.10,00,000 savings put together and are planning to take a bank loan of additional \_ 10 lakhs. They have found a prime location in KarolBagh where they can set their boutique. They decide that they will initially not take very big orders. Based on this information, quote the lines associated with factors affecting the decision to start a business and classify them.

Q.28 Explain the concept of mutual agency in partnership with suitable example.

Q.29 What is the rate of Karta in Joint Hindu Family business?

Q30. Name the types of company which two persons can start.

Q31. What is meant by partner by estoppels?

Q32. What is secret partner?

Q33. Shiv, Anandi & John were partners John died in a car accident

Both Shiv & Anandi decided to admit his son Ryan who was 16 years old as partner. Can they do so ? Justify.

Q.34. Mr. Singh is in 'lighting' business for the past 15 years. To help his friend, Mr. Yadav, a beginner he projected himself as a partner before Mohd. Abdul, a whole sale dealer of fancy lights. Mohd. Abdul gave Mr. Yadav the stock without asking for payment and gave him credit limit of one month. Will Mr. Singh be liable to Md. Abdul if Mr. Yadav does not pay him on time? Classify Mr. Singh's role here along with an explanation.

Q35. Akriti, Sonam & Supreeti were friends who started a partnership business. They did not get their firm registered as it was optional.

Soon, Sonam & Supreeti started having conflicts. Sonam wanted to approach a lawyer. If you were a lawyer than how would you guide her?

## **INFORMATICS PRACTICES (OPTIONAL SUBJECT)**

- Q1. Explain how social networking sites eg. Facebook, Twitter or Linked In are useful in our lives.
- Q2. *Write down the differences between CyberTrolling and CyberBullying?*
- Q3. Write five ways to stop Cyber Crime.
- Q4. Define the following:  
(i) Spam (ii) Firewall (iii) Digital Certificate (iv) Digital Signature
- Q5. Write down the difference between Compiler and Interpreter.
- Q6. What are the major strength and weaknesses of a computer.

### **NOTE:**

- **English homework is common for all subject streams.**
- **Economics homework is common for Humanities and Commerce stream.**
- **Prepare thoroughly for your Unit Test-1.**

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