

**Summer Holidays will start from 18/05/17 to 02/07/17. School will re-open on 03/07/17.**

❖ **A healthy mind resides in a healthy body. So start your day with a 'Morning Walk'.**

## **ENGLISH**

**Q1. Read the Novel 'The Canterville Ghost' and write its review.**

**Including –**

Main Character

Plot

Favourite Character, who and why?

Theme

Summary

**Q2. Make notes of any 5 passages and paste the passage in your Notebook.**

**Q3. Make an animated movie on any chapter of snapshot.**

**Q4. Practice questions for advertisement : -**

- Human resources development manager, the HT required faculty (full or part time) for English & Maths. Write an advertisement for situation vacant.
- S.Gupta from 10 Murli Enclave, Chattisgarh, wants to give private tuitions in Maths & English for senior students. Draft an advertisement under the column of situation wanted.
- While travelling in a DTC bus between Uttam Nagar to Karampura. Shraavan lost the brief case containing some important documents. Draft an advertisement under the column of Lost & Found.
- You want to dispose your independent house at MG Road, Delhi. Draft an advertisement suitable to be published under the Classified column of Deccan Herald.

**Q5. Draw a poster on Swachch Bharat to display on every nook & corner of the City.**

**Q6. Design an attractive poster to develop reading habits among the students. (A3 size yellow sheet)**

## **MATHS**

- Shoot a teaching video based on first 7 chapters. Submit via Email (Any 2 Video)  
(Email Id \_ [shalinisharma7980@yahoo.com](mailto:shalinisharma7980@yahoo.com))
- Prepare a project on any one of the following :
  - A Chart Paper
  - A Flip Chart
  - A Die Board(on the formula of Trigonometry)
- Practice in a separate register the following :-
  - Sets
  - Relations and functions
  - Complex Numbers
  - Any other Chapter (own)

## CHEMISTRY

1. Assignment of Ch-1 & Ch-2 (Given)
2. Make Model (Chart on any topic)
3. Test of Ch-1 & Ch-2.

## BIO

1. Project (Topic given individually)
2. Assignment (Ch-1, 2, 3) Given.

## BIOLOGY PROJECT LIST

CLASS XI SESSION 2017-18

S.N.	Topic & Detail
1	Bacteria- General Characters & Econ. Importance.
2	Virus- Characters, Types & Pathogenesis.
3	BGA- General characters & Ecological Imp.
4	Eco. Imp. of Bryophytes, Pteridophytes and Gymnosperms.
5	Lichens - Characters, Classification & Importance.
6	Mycorrhiza - Its Biology & Ecological Imp.
7	Nitrogen metabolism : Biological Importance
8	Eco. Imp. of Angiosperms.
9	Medicinal Plants - Parts, Products and Therapeutic use.
10	Economically Important Arthropods.
11	Ecological and economic Imp. of Kingdom Animalia.
12	Natural Systems of Angiosperm Classification - Brief Account of Bentham and Hooker System & its Drawbacks.
13	Phylogenetic Systems of angiosperm Classification - Brief account of Engler & Prantl System & its Advantages.
14	Plant Growth Regulators & Their Application in Agriculture.
15	Hormones- Types, mode of action and Diseases.
16	Liver - Histology and Functions in Human Body.
17	Human Diseases of Various Organ Systems.
18	Microscopy: Basics, Types and Applications.
19	Diagnostic Techniques in medical Science.
20	History of Research in Biology.
21	Careers in Biology.
22	Amazing Facts of Life.

23	Flora of Chandigarh
23	Flora and Fauna of Our K V.
25	Famous Indian Biologists and Their Contribution.
26	Economically Imp. Arthropods

## **Chapter 8: CELL- THE FUNDAMENTAL UNIT OF LIFE**

1. Which organelle is called the engine of the cell? [1]
2. What is mycoplasma ? [1]
3. Why is karyotype done at metaphase? [1]
4. Expand PPLO [1]
5. What are nuclear pores? State their functions? [2]
6. Give differences between cell wall & cell membrane? [2]
7. Which organelle is responsible for increasing the surface area of absorption in a cell? How? [2]
8. What is mesosome in a prokaryotic cell? Mention the function that it performs? [2]
9. “plasma membrane is described as” protein iceberg in sea of lipids”. why ? [2]
10. Mention three similarities & three differences between mitochondria & chloroplasts? [3]
11. “multicellular organisms have better survival than their cellular counterpart” why? [3]

## **CHAPTER 9: BIOMOLECULES**

1. Name the abundant proteins in biosphere? [1]
2. Lipids are not biomacromolecules why? [1]
3. Which lipid can cause heart ailment? [1]
4. What are micro- nutrients? [1]
5. Enlist three properties of enzymes? [2]
6. Enumerate differences between DNA & RNA? [2]
7. Why are monosaccharide’s sugars are known as reducing sugars? [2]
8. How does temperature affects enzyme catalysed reaction? [2]
9. What is enzymatic competitive inhibition? Give one example? [2]
10. How does enzymes brings about high rate of chemical conversions? [3]
11. What are nucleic acids? Describe the structure of DNA. [3]

## CHAPTER 10: CELL CYCLE

1. At which stage of meiosis crossing over of genetic material takes place? [1]
2. What is Go phase? [1]
3. Name the cell division concerned with cancer? [1]
4. Why is meiosis called reductional division & mitosis called equational division? [2]
5. Write three processes which take place in interphase? [2]
6. Enumerate the significance of mitosis? [2]
7. Write six differences between mitosis & meiosis? [3]
8. What are homologous chromosomes? What happens to homologous chromosomes during meiosis ? [3]
9. What is mitosis? Give a brief account of mitosis in animal cell? [5]

## PHYSICS

1. Make Model of your choice (Working Model) .

## C++

1. Prepare a PPT on any of the following.

- ★ Types of Printers
- ★ Operating System (Printout)
- ★ Internet
- ★ Input/output Devices

Max. 15-20 Slides

2. Name 2 Super computer designed by India.
3. Explain different generation of Computer.
4. What is the difference between void main ( ) and Int Main ( )
5. Write and execute the following program in C++.
  - a. To input marks of three subject. Calculate Total and print the % of marks.
  - b. To generate the output on screen 3,6,5
  - c. To enter the radius of circle and prints its area.
  - d. To enter the side of a square and prints its area.
  - e. To print volume of a cylinder.
  - f. To swap the two numbers using third variable.
  - g. To input the two numbers find the quotient and remainder of two numbers.
  - ★ Last 5 years question papers to be solved in assignment register. (Chapter covered in Class)

## ART EDUCATION (Work Experience)

1. Paper holding folder.
2. Landscape
3. Poster

## **PHYSICAL EDUCATION (Main Students) (20-25 pages)**

1. Make a project on single player individual Game.
2. Make a project on a team game.

### **Additional Subject**

1. Yoga is an Indian Heritage, Explain.
2. Make a chart on a particular game court or playing arena with well measurements and well labeled.

## **HISTORY**

1. Make a project on the topic 'Human Evolution'.
2. Frame questions from Ch-1 and CH-2 and some source based questions too. (Max 30 questions from each chapter).
3. Make a Clay tablet refer Ch-2.
4. Learn the portion taught.

## **POLITICAL SCIENCE**

1. Collect and paste any five news related to elections, rights, judiciary, legislature, executive and federalism.
2. Take any 10 countries of the world and write the names of their parliaments. Also write the names of their political systems.
3. Make a chart on preamble to the constitution (1/2 ivory sheet)
4. Locate and mark any 10 neighbouring countries with their capitals on the world map.
5. Cut and paste three cartoons from the newspaper, also write small description on them.
6. Write an essay on constitution of India. (750-1000 words).

## **ECONOMICS**

1. **Make a project titled at 'Education in India'.**

### **Guidelines :**

- ☞ **Efforts by Govt in the expansion of primary, secondary, higher and technical education.**
- ☞ **Achievements and failures with (Tables, schedules and diagrams)**
- ☞ **Conclusion**

2. **Do the following assignments in spare sheets:**

### **Chapter-1**

1. State the three reasons for the development of railways in India by British.
2. "The demographic conditions during the British rule exhibited the features of a background economy". Do you agree? Give reasons.
3. How did commercialization of agriculture resulted in famines?
4. "Decline of handicraft Industries adversely affected the Indian economy" Comment.
5. What were the reasons for low level of productivity in agriculture during the British rule?
6. Explain how was Zamindari system an important cause of agricultural stagnation during the colonial period.
7. How did the British policy adversely affected the foreign trade of India?
8. What was export surplus? How did it lead to 'drain of wealth'?

## **Chapter – 2**

1. What was green revolution? How did it benefit the Indian Economy?
2. Name the three economic systems. Why did India adopt the path of mixed economy?
3. ‘While subsidies encouraged farmers to use new technology, they are a huge burden on the govt. finances. Discuss.
4. Explain the main features of IPR 1956.
5. What are small scale industries? How are they beneficial for the Indian Economy?
6. Explain how important substitution can protect domestic industries.
7. Why was public sector given a leading role in Industrial development during the planning period.
8. Explain the goals of ‘‘Modernization and self-reliance’’ to be achieved during the planning period.
9. ‘‘The goal of equity could not be achieved fully, through the policy of land reforms. Explain.
10. What risks are involved in green revolution? Explain.
11. How did the policy of licensing promote equity.
12. What is meant by economic planning? What is its importance?

### **INFORMATICS PRACTICES**

1. Make a Power Point Presentation on any one topic.
  - a. Types of customized application software.
  - b. Operating System
  - c. Ports and types of ports
  - d. Communication bus and its type.
2. Make a Chart on any of the following topics :
  - a. Types of software
  - b. Application software
  - c. System Software.

★ **Last 5 years question papers to be solved in assignment register. (Chapter covered in Class)**

# ASSIGNMENT FOR SUMMER VACATIONS

## CLASS – XI

### BUSINESS STUDIES

#### General instructions:

- i. The assignment is divided into two parts.
- ii. Part A contains a set of questions to be attempted in the business studies class register.
- iii. Part B is to be submitted in a handmade folder/file with your details.

#### PART A

1. Classify the following into economic and non economic activities:
  - a) Smita cooks food for her family.
  - b) A person selling cold drinks on the railway station.
  - c) A student praying in a temple for good marks in the test.
  - d) A doctor treating patients at his clinic.
  - e) An old lady attending a 'Satsung'.
  - f) A person teaching his daughter for her Board Exams.
2. Give examples of various types of industries. (three each).
3. Identify the services detailed below:
  - (a) The service which helps in removing hindrance of knowledge.
  - (b) The service which helps in removing hindrance of exchange.
  - (c) The service which helps in removing hindrance of place.
  - (d) The service which helps in removing hindrance of time.
  - (e) The service which helps in removing hindrance of risk.
4. 'Risk is an inherent element of a business'. Do you agree? Give reasons.
5. Which type of business risk involves both the possibility of gain as well as the possibility of loss?
6. Differentiate between Business and Profession.

7. "Profit is an essential objective of business due to certain reasons". Comment.
8. Differentiate between Economic and Non-Economic Activities.
9. "Is Profit maximization the sole objective of a business." Comment.
10. Explain the terms 'preliminary contracts' and 'provisional contracts.'
11. Explain the term 'Minimum Subscription'.
12. Differentiate between a private company and a public company.
13. The business assets of an organization amount to 50,000 but the debts that remain unpaid are 80,000. What course of action can the creditors take if:
  - a) The business is promoted as a sole proprietorship firm.
  - b) The business is promoted as a partnership firm with Anthony and Akbar as partners. Which one out of the two partners can the creditors approach for repayment of their debt? Explain giving reasons.
14. "A company is an artificial person created by law having a separate entity with perpetual succession and common seal." Comment.
15. Which document is to be issued by a public company for raising capital?
16. Explain the following terms:
  - (a) Karta
  - (b) Co Parceners
17. Compare the status of a minor in a Joint Hindu Family Business with that in a partnership firm.
18. In which form of organization is a trade agreement made by one owner is binding on the others? Give reasons to support your answer.
19. Kiran is a sole proprietor. Over the past decade, her business has grown from operating a neighborhood corner shop selling accessories such as artificial jewellery, bags, hair clips and nail art to a retail chain with three branches in the city. Although she looks after the varied functions in all the branches, she is wondering whether she should form a company to better manage the business. She also has plans to open branches countrywide.
  - a) Explain any two benefits of continuing as a sole proprietor.
  - b) Explain any two benefits of converting the form in to a joint stock company.
  - c) What role will her decision to go nationwide play in her choice of form of the organization?
  - d) What legal formalities will she have to undergo to operate business as a company?

## PART B

1 prepare a collage of different forms of B. organisations- sole partnership, partnership, company, HUF or cooperative society (any one form)

2 Find out two companies which are socially responsible and two company which are irresponsible. Support your answer with the articles from the newspaper , magazine and other business references.

3. Visit website of a company doing through internet. Study the products /services offered by the company , mode of payment, choice available to customers, methods of delivery of products, details of product available on website, any special offers or discount available etc, prepare a report.

4. Enhance your business awareness by finding Logo, Taglines, Brand marks of 30 products and compile it in a table form.

## ACCOUNTANCY

Q 1 Accounting Principles are not static. Information contained in accounting may be manipulated by the accountant. There are several methods of recording the value of unsold stock or charging depreciation etc. by adopting different methods, the position of net profit or assets can be increases or decreased depending on the requirement of the management. It means accounting is subject to window dressing and it fails to depict the true financial position of the enterprise if the accounts were not drawn properly. Identify the vale being violated in the above limitation of accounting. 1

Q 2 State any four advantages of Accounting.

Q 3 Give the area of interest for the following users of accounting: a. Investors b. Employee c. Government d. Lenders

Q 4 "Book keeping is synonymous to Accounting". Analyse the statement by giving reasons.

Q 5 If you are a senior accountant of Vaibhav Enterprises, what steps would you take to make the company's financial statements reliable and understandable?

Q 6 Fill in the blanks: a. The business transactions which can be expressed in \_\_\_\_\_ units can be recorded in the books of accounts b. Book keeping is a \_\_\_\_\_ stage in accounting c. Accounting information is \_\_\_\_\_ in nature d. Suppliers are interested in knowing the \_\_\_\_\_ of the firm.

Q 7 Differentiate between: Trade Discount & Cash Discount

Q 8 Fill in the blanks: a. Debentures are \_\_\_\_\_ liability b. Rent received is termed as \_\_\_\_\_ c. A person who owes money to the business enterprise is a \_\_\_\_\_ d. Goods used by the proprietor for personal use are called \_\_\_\_\_ 2

Q 9 Name the liabilities that are payable usually after one year.

Q 10 Name the assets held for continuous use in the business and not meant for resale. 1

Q 11 Name the person who owes money to the business enterprise 1

Q 12 Lakshita started a business of buying and selling mobile phones and invested Rs. 2,00,000 on 1.4.2015. On 20.4.2015, she paid Rs.1,00,000 for purchase of mobile phones and Rs.50,000 for furniture. On 1.5.2015, she purchased some stationery for Rs.5,000 in cash and sold some mobile phones for Rs.50,000 on credit to Stuti. After, a period of one month, she purchased mobile phones for Rs.60,000 from Jatin. Expenses during the period were 10,000. ON 31.07.2015, mobile phones worth Rs.20,000 were lost by fire. During September, 2015 to December 2015, a part of stock of mobile phones which costing Rs.30,000 was sold for Rs.40,000. With the help of above information, answer the following questions: a. What is the amount of capital invested by Lakshita? b. What is the total amount of expenses? c. Who is the debtor for the business and what is the amount receivable from him/her? d. Who is the creditor for the business and what is the amount payable from him/her? e. Give the name and cost of Fixed Assets bought by the business f. What is the total value of goods purchased? 6

Q13. Differentiate between Cash and Accrual Basis of Accounting 4

Q14. ) Why is it necessary for accountants to assume that a business entity will remain a 'going concern'?

Q15. "Going Concern" means with the expectation of continuing indefinitely. This concept underlines the assumption that the enterprise has neither any intention nor any necessity to close the business. Identify the values involved in the assumption of going concern. 1

Q16. Explain the basic assumptions of accounting, 3

Q17. State True/False for the following statements, correct the incorrect statements: a. Business Entity Assumption is not applicable to partnership firms b. Money measurement assumption distinguishes between the qualitative and quantitative aspect of transactions c. All transactions that affect the business must be recorded d. Revenues are matched with expenses according to revenue recognition principle. 4

Q18. 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 the situation. He directed the accountant to record the loss in the books of accounts. Is the owner correct in recording the likely loss? Give reasons 3

Q19. "Capital is a liability for the business" Explain the statement with the principle applied. 2

**\*Learn all the chapters done in the class . (Theory Content)**

**\*Collect financial Statements of 5 different companies and answer the following points.**

a. Name the account and statement which are prepared.

b. Enlist current assets, current liabilities

*Wm. C. 14*

