

JB Academy
Holiday Homework
Class XI

English:

Prepare a tourist Brochure on the place of your choice.

Update your assignment notebook.

History:

- 1 Prepare the project file as per the instructions given.
- 2 Prepare chapter 1 for Monday test.

Mathematics:

Q-1 Collect the data of covid patient (infected) and (recovered) from January to May 2021.

- A- Calculate the average recovery rate from January to may 2021**
- B- Draw the graph of average recovery rate .**
- C- On the basis of graph comment on the region/factors affecting the recovery rate and how to improve it .**
- D- Give your suggestion for better management of covid patient in the country.**

Q-2 On the basis of appendix given at the end of textbook make a mathematical model for any mathematical problem.

Chemistry:

1. Scientist biography for first quarter.
2. An activity sheet on A-4 size paper based on any topic of chemistry.
3. 3 numerical based on molarity.
4. 3 numerical based on molality.
5. 3 numerical based on mole fraction.
6. Preparation of Monday test 1 chapter.

Biology:

1. To write scientist biography of a Nobel prized biologist.
2. To study chapter-1 & 2 from NCERT, prepare notes, do the exercises and to design 10 MCQs (with correct answer) from each chapter.
3. Select an innovative topic for investigatory project by making groups of 3 students in each and prepare the synopsis.
4. Do the following experiments at your home, click the photographs OR make short videos with the help of OLabs (<http://www.olabs.edu.in>) and send to the class group.
 - a) To study osmosis by using potato osmometer

- b) To demonstrate plasmolysis by using onion peel in hypotonic and hypertonic solutions using salt solution.
- c) To study flowers of different plants around you under the following heads:
 - a) No. & colour of sepals.
 - b) No. & colour of petals.
 - c) No. of stamens.

Business Studies:

Answer the following questions in the Homework register:

1. Mohit sells his play station to his friend at a profit of `2,000. Will it be considered as a business? State the feature of business which is being highlighted here.

2. Classify the following into business, profession and employment:

- a) Hari sells mobile phones on behalf of his employer.
- b) It requires minimum academic and other qualifications.
- c) A hawker sells toys for children outside a function.
- d) Sanjay is the advocate of High Court.
- e) A person repairs scooters on roadside.
- f) Shyam works as a sales executive in a mobile company.
- g) Dhruv is the manager of a mobile company

3. Which hindrance of commerce is highlighted in the following cases:

- a) It removes the geographical distinction between producers and consumers.
- b) Warehousing facilitates holding of goods till they are required.
- c) Advertising informs the consumers about the goods and services available in the market.
- d) Trade provides an organized market where buyers and sellers can contact each other.
- e) Banks provide the facility of raising loans.
- f) Insurance protects the goods in the case of damage due to fire, theft, accident etc.

4. Go through chapter 1 (**BUSINESS, TRADE AND COMMERCE**) and create a question bank related to the below mentioned forms of questions-

MCQ, Very short Answer Type Questions, Short Answer Type Questions and Long Answer Type Questions.

PROJECT RELATED ASSIGNMENT

1. FIELD VISIT (VIRTUAL TOURS).

The objective of introducing this project among the students is to give a firsthand experience to them regarding the different types of business units operating in their surroundings, to observe their features and activities and to relate them to the theoretical knowledge given in their text books. The students should select a place of field visit(virtual visits) from the following: – (any one of them)

- 1. Visit to a Handicraft unit. <https://youtu.be/VRpJtJbS2cE>

2. Visit to an Industry. https://youtu.be/Lc_2joYFtEg
3. Visit to a Whole sale market. (Vegetables,fruits,flowers,grains,garments.)
<https://youtu.be/i88P7HsolVk>
4. Visit to a Mall. <https://youtu.be/R57ABdCmkT0>

***Kindly note that above mentioned links are only suggestive and the students can use any other virtual tour (mentioned in the topics) for their Projects.**

1. Visit to a Handicraft Unit. The purpose of visiting a Handicraft unit is to understand nature and scope of its business, stake holders involved and other aspects as outlined below- a) The raw material and the processes used in the business: People /parties/firms from which they obtain their raw material. b) The market, the buyers, the middlemen, and the areas covered. c) The countries to which exports are made. d) Mode of payment to workers, purchasers etc. e) Working conditions. f) Modernization of the process over a period of time. g) Facilities, security and training for the staff and workers. h) Subsidies available/ availed.

2. Visit to an Industry. The students are required to observe the following: a) Nature of the business organization. b) Determinants for location of business unit. c) Form of business enterprise: Sole Proprietorship, Partnership, Undivided Hindu Family, Joint Stock Company (A Multinational Company). d) Different stages of production/process e) Auxiliaries involved in the process. f) Workers employed, method of wage payment, training programs and facilities available. g) Social responsibilities discharged towards workers, investors, society, environment and government. h) Levels of management. i) Code of conduct for employers and employees. j) Capital structure employed- borrowed v/s owned. k) Quality control, recycling of defective goods. l) Subsidies available/availed. m) Safety Measures employed. n) Working conditions for labour in observation of Labour Laws. o) Storage of raw material and finished goods. p) Transport management for employees, raw material and finished goods. q) Functioning of various departments and coordination among them (Production, Human Resource, Finance and Marketing) r) Waste Management. s) Any other observation.

3. Visit to a whole sale market : vegetables/fruits/flowers/grains/garments etc. The students are required to observe the following: a) Sources of merchandise. b) Local market practices. c) Any linked up businesses like transporters, packagers, money lenders, agents, etc. d) Nature of the good) Types of buyers and sellers. f) Mode of the goods dispersed, minimum quantity sold, types of packaging employed. g) Factors determining the price fluctuations. h) Seasonal factors (if any) affecting the business. i) Weekly/ monthly non-working days. j) Strikes, if any- causes thereof. k) Mode of payments. l) Wastage and disposal of dead stock. m) Nature of price fluctuations, reason thereof. n) Warehousing facilities available\availed. o) Any other aspect.

4. Visit to a Mall. The students are required to observe the following: a. Number of floors, shops occupied and unoccupied. b. Nature of shops, their ownership status c. Nature of goods dealt in: local brands, international brands, d. Service business shops Spas, gym, saloons etc. e. Rented spaces, owned spaces, f. Different types of promotional schemes. g. Most visited shops. h. Special attractions of the Mall- Food court, gaming zone or Cinema etc. i. Innovative facilities. j. Parking facilities.

PRESENTATION AND SUBMISSION OF PROJECT REPORT.-

Each student will prepare and submit his/her project report. Following essentials are required to be fulfilled for its preparation and submission.

1. The total project will be in a file format.
2. The project will be handwritten.
3. The project will be presented in a neat folder.
4. The project report will be developed in the following sequence-
 - Cover page should project the title, student information, school and year.
 - List of contents. Acknowledgements and preface (acknowledging the institution, the newspapers read, T.V. channels viewed, places visited and persons who have helped).
 - Introduction. Topic with suitable heading.
 - Planning and activities done during the project, if any.
 - Observations and findings while conducting the project.
 - Newspaper clippings and photographs.
 - Conclusions (summarized suggestions or findings, future scope of study)

Accountancy:

Theoretical framework

1. Introduction to accounting:

***Accounting:-**

Objective, advantages and limitations, types of accounting information ; users of accounting information and their uses.

2. Basic accounting terms

Read properly and do the objective type questions based on above topics from your NCERT Book.

Psychology:

1. Define Psychology.
2. What do you understand by mental processes?
3. How can you define human behavior as function of the attributes of a person and environment?
4. Discuss the development of Psychology in India.
5. Write a note on Evolution of Psychology.
6. "Human behaviour can be controlled and modified through the application of psychological principles". Discuss the statement.
7. Discuss the relevance of environmental psychology in our daily life.
8. Is mind and behaviour related? Support your answer with relevant studies.
9. Differentiate between :
 - A) Basic and applied research
 - B) Clinical psychologist and Psychiatrist
10. Which branch of psychology do you like the most and why? Find out any interesting/latest research done in this field and prepare a research report file/ppt.

Painting:

Choose any one folk art from below and draw it in your art file.

1. Madhubani art
2. Warli Painting
3. Mandala art
4. Gond (dot) art

Hindi:

1. वार्षिक परियोजना हेतु चयनित विषय की भूमिका और रूपरेखा तैयार करें ।
(उद्देश्य- मौलिकता एवं अनुसंधानात्मक क्षमता का विकास)
2. मुंशी प्रेमचंद का चर्चित उपन्यास 'गोदान' पढ़कर लगभग 150 शब्दों में इसका समीक्षात्मक मूल्यांकन कीजिए- (उद्देश्य- समालोचनात्मक दृष्टिकोण का विकास)
3. एक समाज सुधारक के रूप में कबीर की भूमिका तय कीजिए- (शब्द सीमा 40-50 शब्द)

Computer Science:

1. **Make 10 MCQ on Python.**
2. **WAP to insert a three digit number and print sum of its digits.**
3. **WAP to calculate bonus on the shopping amount based on the given criterion:
If shopping amount is less than 5000 discount will be 10% otherwise it will be 15%.**
4. **WAP to calculate compound interest, enter A, R and T.**

Physical Education:

- 1) You are requested to shoot a minimum 2 minutes maximum 5 minutes lecture video on any of the topics from 10 units.
- 2) Make a creative chart on any of the topics from 10 units and make sure to use full chart size.
- 3) Make a Powerpoint presentation with not less than 10 main slides, on any of the topics from 10 units.

Economics:

1. Write down two articles based on current scenario.
2. Prepare the topic PPC for class presentation.
3. Prepare UNIT-1 Introduction of Microeconomics for Monday Test.
4. Define Consumer goods & explain its types with five examples of each one.
5. You have unlimited wants & limited resources to satisfy them. Explain this statement by giving 3 examples.
6. Why do you want to study Economics?
7. Explain the kinds of economic activities.
8. Explain the concept Positive & Normative economics & relate both the concept with JB Academy.

9. What impact will covid-19 have on the economy?

10. How to tackle covid at home?

Physics:

1. Write Scientist Biography for first Quarter
2. Write an Article on A-4 size paper (a creative work like poem, story, cartoon, experience etc. related to physics)
3. Write in about 1000 word a fiction piece based on your speculation on the science and technology of the twenty – second century.

Geography:

Select any one theme from the list 'A' and express your imaginations and suggestions through the ways given in list 'B'.

List 'A':-

1. Tribal of India
2. Women empowerment
3. Sustainable development
4. Waste management
5. Water dispute
6. Pollution
7. Best out of waste
8. Artificial island
9. Mars
10. Digital India

List 'B':- Model, Documentary, Article, Comic strip, poster animation, Video, PPT, Poem, Story.