

PROJECT WORK - 2018-19
GRADE – IX
PROJECT WORK [SUBMISSION DATE: 2nd JULY, 2018]

ENGLISH LANGUAGE

- Question 1)** An entertainment programme organized by you on Teachers' Day ends in a flop. Give an account of your feelings and your assessment of what went wrong. [15]
- (i) You may include the Programme to be held.
 - (ii) The invitation Card sent to the teachers.
 - (iii) The Programme itself starting:
 - (a) with a welcome song.
 - (b) followed by a play.
 - (c) a musical programme when the orchestra failed to turn up.
 - (d) one of the boys who had to sing was absent.
 - (e) apologized for the flop show.
- Important lessons learnt, to be humble, realistic and cautious.
- Question 2)** While on a business trip, you had to spend a week at a large hotel. The poor facilities and the rude behavior of the hotel staff made your stay very unpleasant. Write a letter of complaint to the Manager of the hotel expressing your annoyance and suggesting what could be done to improve the standard of the hotel. [5]

ENGLISH LITERATURE

- Question 1)** Imagine you are Shylock in Venice. You are writing to a very close friend, a Jew by the name Aaron, who lives in another part of Europe. Your letter should not exceed 400 words. Tell the friend about the discrimination you faced while in Venice in the hands of the people, especially Antonio. Write about the loan of 3000 ducats and the bond and what happened at the court room. Write about the times he is spending after the trial. In your letter express the feelings that Shylock has for the Venetians, for Antonio, for Jessica and Lorenzo. [10]
- Question 2)** You have read the story 'The Little Match Girl'. Wherein you read that death came to her and saved her from cold, hunger and misery. Relate what happened after she died and went to the other world where she met her granny. [10]

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HISTORY & CIVICS

- Question 1)** Make a Comparative study of Harappan and Mesopotamian Civilization.
Or
 The Indian constitution protects the right of children, women, minorities and weaker sections. Elaborate the case study.

GEOGRAPHY

- Question 1)** Collect information on global environmental issues and problems and communicate your finding through appropriate modes (posters, Charts, Collages etc.)

PHYSICS

- Question 1)** Discuss the importance of reflection of light in our daily life with the help of suitable examples and write about the Image formations by spherical mirrors.
- Question 2)** Discuss the Graphical Representation of Linear Motion and its types with the help of suitable examples.

CHEMISTRY

- Question 1)** Atmospheric and water pollution. Explain the topics. Give their effect on the weather conditions throughout the world.
- Question 2)** Methods of separation
- | | | |
|-------------------------|-------------------------------|--------------------|
| i- Filtration | ii- Crystallization | iii- Sublimation |
| iv- Magnetic separation | v- Evaporation | vi- Distillation |
| vii- Sedimentation | viii- Fractional distillation | ix- Chromatography |

BIOLOGY

- Topic 1)** Useful role of bacteria in (i) Medicine, (ii) Industry and (iii) Agriculture
- Topic 2)** Pollination- Self and crosspollination, features of flowers pollinated by insects, wind and water, Advantages and disadvantages of self and cross pollination. Contrivances of cross-pollination.

MATHEMATICS

- Question 1)** Conduct a survey of a group of students and represent it graphically- height, weight, number of family members, pocket money, etc.
- Question 2)** Planning delivery routes for a milkman.

ECONOMICS

[SEQUENCE-: Name, Contents, Acknowledgement, Introduction of Project Work- All the topics to be mentioned, Objectives of Project Work, Detailed Matter, Conclusion, Bibliography]

TOPIC-I

Write a report on LPG Model (Liberalisation, Privatisation and Globalisation): meaning of each term and its positive impact on the Indian economy. Your one passport size photograph in school uniform should be pasted on the cover page of the file.

TOPIC-II

Concept of “Smart City”: Do a case study by taking one suitable example of a smart city and discuss the development taken place in the form of infrastructure development, reduction of unemployment, poverty alleviation, HR development and industrial development.

TOPIC-III

Students need to submit a case study on “Digital India” and “Skill India”.

COMMERCIAL STUDIES

[SEQUENCE:- Name, Contents, Acknowledgement, Introduction of Project Work- All the topics to be mentioned, Objectives of project Work, Detailed matter, Conclusion, Bibliography]

TOPIC-I

Students need to submit a file on the following topics: -

(i) Production, (ii) Purchasing & Stores, (iii) Marketing & Sales, (iv) Finance & Accounting, (v) Human Resources, (vi) General Administration, Legal and Compliance, (vii) Management Integrated System. Meaning and objectives of each of the above.

TOPIC-II

Write a Detailed report on the meaning and role of "Communication" in a commercial organisation; different methods of communication: letter, e-mail, conference calling (audio & video) - telephonic conversation, social media- meaning of each. Make a Power Point Presentation on it and copy the same in the "Smart Class" for Class-IX.

TOPIC-III

Survey for understanding the Functions of any commercial organisation (survey of sugar factory, school, commercial bank, telephone exchange, rice mill, private or public company, local firm/industry), Students must submit following documents: -

(i) Questionnaire, (ii) Your Photograph in the organisation while conducting the survey should be pasted inside the file (Date and time must be mentioned on it) and one passport size photograph in school uniform should be pasted on the cover page of the file, (iii) A file explaining functions and importance of it to local and national economy and write your findings with conclusion.

COMPUTER APPLICATION

Question 1) Prepare a report on Operating System developed so far.

Question 2) Prepare a report on History of Java.

Question 3) Write short notes on following browsers:

- a) Microsoft Edge
- b) Mozilla Firefox
- c) Google Chrome
- d) Opera Mini

Question 4) What is cloud computing? How cloud computing is helpful for IT companies?

HOME SCIENCE

[SEQUENCE:- Name, Contents, Acknowledgement, Introduction of Project Work- All the topics to be mentioned, Objectives of Project Work, Detailed matter, Conclusion, Bibliography]

Topic 1 Preparation of nutritious snacks and various kinds of sandwiches.

Topic 2 Demonstration of various cuts of vegetables and fruits like slice, chop, dice, mince, juliennes to make easy salads.

Topic 3 Cookery: Preparation of food using simple cooking techniques such as boiling, frying, steaming, grilling, baking, stewing.

Topic 4 Safety considerations in the home- the study of safety features in the home. eg. Floor and floorings, staircase, lighting (natural and artificial) installation and maintenance of electrical points, fittings and gadgets. Suggestions for changes in safety considerations for elderly people and children.

Topic 5 Collect samples of fabrics and compare them on the basis of cost, durability, appearance and suitability. Testing of fibres- burning test.

PHYSICAL EDUCATION

Prepare a file on any two games under following heads:

- Brief History
- Rules (with diagrams and measurements)
- Safety Gears (with diagrams and measurements)
- Three (3) National and three International players' name.
- National and International Governing Bodies.
- Associated Terminology.
- Fundamental Skills.
- National and International Tournaments.

S.U.P.W.

1) File Work:

Write on the following topics:

- i) Health and Hygiene
- ii) Gardening
- iii) Dyeing and Printing

2) Community Service:

Awareness drive on, 'Health and Hygiene'. [Students must bring a gift pack of cleanliness and sanitation products like- Handwash, Napthalene balls, Floor wiper, Harpic, Dettol, Phenyl etc. These articles should be placed properly in a basket covered with cellophane sheet.

3) PROJECT:

Students are required to prepare six hankies each using different stitches of embroidery.

Or

Students are required to prepare a painting done on a tile.

