

# INTERNATIONAL PUBLIC SCHOOL BHOPAL

## SUMMER ASSIGNMENT 2017-18

### CLASS-XI

#### ENGLISH

- Q.1. Draft a poster to bring awareness among the people towards "the plight of senior citizens in our society."
- Q.2. Read, analyze and interpret the novel "The Canterville Ghost."
- Q.3. Write summary of the novel.(150-200 words)
- Q.4. Which character impressed you the most and why?
- Q.5. Do you think the protagonist should have been some other character in the novel? Why?
- Q.6. Would you recommend this book to your friends? Why?
- Q.7. Bring out the figures of speech used in the novel and list the new vocabulary along with their meaning and use them in the sentences of your own.
- Q.8. Discuss the use of supernatural elements in the story "The Centerville Ghost", by giving evidence from the novel.
- Q.9. Supposing you had been a member of the Otis family, how would you have reacted to see the Canterville Ghost? Express your feelings in keeping with the behavior of the other members of your family.
- Q.10. Discuss the use of wit and humour in the story.

\* All the questions are to be done in English Class Work notebook.

#### FINE ART

- Make two traditional art(like Warli, Kalamkari, Madhubani)
- Paintings should be framed properly.

#### PHYSICAL EDUCATION

##### General Instruction

- ❖ Complete the project file of Athletics
  - ❖ Handmade file is compulsory for all students
  - ❖ You can paste the printed photographs in file
1. History of Athletics.
  2. Rules and regulation.
  3. Track diagram with dimension.
  4. Details of equipment used in Athletics.
  5. Skill and technique used in Athletics. .

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6. Terminologies and important tournaments
6. Award related to Athletics..
7. Details of any five celebrities related to Athletics.

**INFORMATICS PRACTICES**

Topic: Chap 1 Hardware Concept

Qu. 1) Develop a PPT on following topic (any one)

- 1.1) Types of Input and Output devices
- 1.2) Communication Bus, Ports & Memory cards

**MATHEMATICS**

- Q.1 Find the value of x and y if  $2 + (x + iy) = 3 - i$
- Q.2 Find the conjugate of  $\frac{(2+3i)^2}{2-i}$
- Q.3 Find non-zero integral solutions of  $|1 - i|^x = 2^x$
- Q.4 If  $\frac{(a+i)^2}{2a-i} = p + iq$  then show that  $p^2 + q^2 = \frac{(a^2+1)^2}{(4a^2+1)}$
- Q.5 Simplify  $(7 - 5i)(3 + i)$
- Q.6 Find the root of  $5 + 12i$
- Q.7 Express in polar form  $\frac{1+2i}{1-3i}$
- Q.8 Solve quadratic equation  $2x^2 - 4x + 3 = 0$
- Q.9 Find the modulus and argument of complex no.  $\frac{1+i}{1-i}$
- Q.10 If  $Z = 2 - 3i$  show that  $Z^2 - 4Z + 13 = 0$  and hence find the value of  $4Z^3 - 3Z^2 + 169$

**ECONOMICS**

**Project Work on any one of the following topics:**

1. Changing consumer awareness among households.
2. Case study on Public Private Partnership(PPP).
3. Demonetization-Current Analysis.
4. Make in India.

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#### POLITICAL SCIENCE

1. According to the right to equality given under fundamental rights in the Indian constitution, untouchability has been banned. Do you agree that it has really been abolished? Express your views citing four case studies.
2. Collect 10 cartoons from various newspapers and magazines and analyse them on the basis of the following points:
  - ❖ The issues they are concerned with.
  - ❖ The values they are portraying
  - ❖ The message for the society and the system
3. Can an ascetic who has renounced the world and the worldly pleasure prove to be fit as the chief minister of a state in India with diverse problems? State your views in not more than 500 words.

#### ACCOUNTANCY

Q.1 Collect following source documents which are the basis of Recording business

Transactions and also write about them -

- |              |                |                    |           |
|--------------|----------------|--------------------|-----------|
| 1. Cash Memo | 2. Pay in Slip | 3. Invoice or Bill | 4. Cheque |
| 5. Receipt   | 6. Debit Note  | 7. Credit Note     |           |

Q.2 Prepare one chart of internal and external users of accounting information and also show their area of interest.

Q.3 Prepare one flow chart based on steps of Accounting Process.

#### **INSTRUCTIONS**

- 1) Project should be hand written.
- 2) Submit the project in proper file with complete details.

#### PSYCHOLOGY

Q.1 Contact a psychologist and interview. Have a list of questions prepared beforehand. Possible questions could be:

- (i) What kind of education is necessary for your particular job?
- (ii) Which college/university would you recommend for the study of this discipline?
- (iii) Are there many jobs available today in your area of work?

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- (iv) What would a typical day at work be like for you – or is there no such thing as “typical”?
- (v) What motivated you to enter this line of work?

Write a report of your interview and include your specific reactions.

## BUSINESS STUDIES

**Make a project on any one of the following topics:**

### 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, purchases 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.
- i) Any other aspect that the teachers deem fit.

### 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) Forms 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 programmes and facilities available.
- g) Social responsibilities discharged towards workers, investors, society, environment and government.
- h) Levels of management.
- i) Code of conduct for employer and employee.

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- j) Capital structure employed.
- k) Quality control, recycling of defective goods.
- l) Subsidies available.
- m) Safety measures employed.
- n) Working condition for labour.
- o) Storage of raw material and finished goods.
- p) Transport management for employee, raw material and finished goods.
- q) Functioning of various departments and coordination among them.
- r) Waste management.

### **3. Visit to a whole sale market: vegetables/ fruits/ flower/ 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 goods dealt in.
- e) 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 Departmental store**

The students are required to observe the following:

- a) Different departments and their lay out.
- b) Nature of products offered for sale.
- c) Display of fresh arrivals.
- d) Promotional campaigns.
- e) Spaces and advertisements.
- f) Assistance by Sales Personnel.

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- g) Billing counter at store- Cash, Credit Card/ Debit Card, swipe facility. Added attractions and facilities at the counter.
- h) Additional facilities offered to customers.
- i) Any other relevant aspect.

#### **5. 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 brand, 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 attraction of the Mall- Food Court, Gaming zone or Cinema etc.
- i) Innovative facilities.
- j) Parking facilities.