



**ST. ANGEL'S SCHOOL**  
**AUTUMN HOLIDAYS**  
**HOMEWORK(2017-18)**  
**CLASS XI**  
**(COMMERCE)**

# ENGLISH

## **ENGLISH [HORNBILL]**

### **Chapter: 3 ‘Discovering Tut –The Saga Continues... .’**

Ques.1 → Would you call the mammoth efforts made by different people a waste of time and money ?Give your views with reference to the lesson Discovering Tut...

Ques.2 → Tourists find king Tut’s tomb very fascinating. Describe the tomb and its contents in detail.

### **Chapter :5 ‘ The Ailing Planet: The Green Movement’s Role’**

Ques.1 → No generation has a free hold on this a earth. All we have is a life full repairing lease .” explain with reference to the chapter.

Ques.2 → Is there hope for environmental enrichment in future ? what is need to bring about the change from degradation to enrichment?

## **ENGLISH [SNAPSHOT]**

### **Chapter: 4 ‘Albert Einstein At School’**

Ques.1 → How do you distinguish between information gathering and insight formation?

Ques.2 → One may bind a human being to a system but not his spirit. With close reference to Einstein’s life in school, comment on the statement.

# MATHS

## Ch 7 Permutation and Combination

Q.1 In how many ways can 3 prizes be distributed among 4 boys , when

(1) no boy get more than 1 prize

(2) a boy may get any no. of prizes

Q.2 By using the digits 0,1,2,3,4,5(repetition is not allowed) no. are form by using any no. of digit . find the total no.s that can be form.

Q.3 Find the no.s of ways in which 1 can post 5 letters in seven letters boxes .

Q.4 In how many ways can the letter of the word 'DELHI' be arranged so that the vowels occupy on the even places

Q.5 How many no.s b/w 400 and 1000 can be form with the digits 0,1,2,3,4,5,6 if no digit repeted in the same no.

Q.6 In how many ways can the letters of the word

' ALGEBRA' be arranged without changing the relative order of the vowels and consonants

Q.7 How many words can be form with the letters of the word 'PARALLEL' so that all Ls do not come together

Q.8 A polygon has 44 diagonals find the no of its sides

Q.9 A tea party is arranged for 16 persons along two sides of a long table with 8 chairs on each

side . 4 persons wish to sit on one particular side and two on other side. In how many ways they be seated

Q.10 If the letters of the word 'MOTHER' are written in all possible orders and these words are written out as in a dictionary find the rank of the word

## Ch 8 Binomial Expansion

Q.1 Find the 6<sup>th</sup> term of  $(4x/5 - 5/2x)^9$

Q.2 Prove that there is no term involving  $x^6$  in the expansion of  $(2x^2 - 3/x)^{11}$  where  $r \neq 0$

Q.3 Find the term independent of  $x$  in the expansion of  $(2x - 1/x)^{10}$

Q.4 If the 6<sup>th</sup>, 7<sup>th</sup> and 8<sup>th</sup> term in the expansion of  $(x+a)^n$  are resp. 112, 7 and  $\frac{1}{4}$  find  $x, a$  &  $n$ .

Q.5 If the coefficient of  $(2r + 1)$ th term and  $(r + 2)$ th term in the expansion of  $(1+x)^{43}$  are equal, find  $r$

Q.6 If the coefficient of 5<sup>th</sup>, 6<sup>th</sup> and 7<sup>th</sup> term in the expansion of  $(1+x)^n$  are in A.P find  $n$

Q.7 Find the value of  $\theta$  for which the coefficient of middle term in the expansion of  $(1 + \theta x)^4$  and  $(1 - \theta x)^6$  are equal find  $\theta$

# **BUSINESS STUDIES**

## **Ch-5 Emerging modes of Business**

Q1. Name the service in which a firm gets its task done by another firm.

Q2. What is the basic difference between e-commerce & e-business.

Q3. What is the popular name for Debit card and credit card.?

Q4. What precautions must be taken by a customer while placing an order through online.

Q5. ABC Ltd. is specialised in consultancy service. The company makes software for a reputed bank of USA . it is also specialized in making accounts of that bank. To carry on this work, ABC Ltd. Hired professionals like engineers, CA etc. who are very competent in providing such services.

a) Name the kind of business carried by ABC Ltd.

b) Explain the features of business mentioned above

Q6. Mrs Sushma has to travel a lot and usually come late night from her workplace. She is always worried to carry huge amount of cash in her purse as she purchase all her household things on the way.

a) Suggest how she can avoid carrying cash , but still buy the things on the way.

b) Suggest other utilities of smart card.

## **Ch-7 SOURCES OF BUSINESS FINANCE**

Q1 Why is equity share capital called risky capital?

Q2 Name the fund needed for day to day operations

Q3 What are the preference given to preference shareholders.

Q4 Differentiate between Owner's fund & Borrowed fund.

Q5. identify the source of business finance highlighted in the following cases:

(i) In case of winding up of the company, the capital is refunded after the payment of debentures but before the payment of equity shares.

(ii) This source involve Ploughing back of profits.

(iii) This source put a permanent obligations on the company to pay interest every year irrespective of profits.

(iv) Their holders enjoy right to vote and control of the company.

# ACCOUNTS

## Chapter 14- Provision and Reserves

- Q.1. Explain the terms 'Reserves' and 'Provision' with examples.  
Q.2. Give any four points of distinction between Reserve and Provision.

## Chapter 15- Accounting for Bills of Exchange

- Q.1. Give a definition of Bills of Exchange and give its four characteristics.  
Q.2. What are the parties to Bills of Exchange?  
Q.3. On January, 2012, X Sold goods to Y for Rs. 50,000. On the same date X draws a bill on Y for Rs. 50,000 due after three months. Y accepted the bill and returned it to X. X retained the bill the due date and Y meets the bill on due date. Pass Journal Entries and prepare necessary Ledger Accounts in the books of both the parties.  
Q.4. X sold goods to Y for Rs.10,000 on 15<sup>th</sup> March, 2012. On the same day, Y accepted a bill drawn upon him by X at four months for Rs.10,000. X discounted the bill on 15<sup>th</sup> April, 2012 at 18% p.a. at his bank and Y met the bill on maturity. Make Journal entries in the books of both the parties.  
Q.5. Y owed Rs. 26,000 to X. On 5<sup>th</sup> March, 2012, he accepted a bill for Rs. 25,000 for one month drawn by X in full settlement of his debt. X allowed Rs. 1,000 as discount. X endorsed the bill to his creditor Z immediately. The bill was duly met on the due date.

## Chapter 16- Rectification of Errors

- Q.1. Rectify the following errors:
- Credit sales to Arun Rs. 7,000 were not recorded.
  - Credit purchases from Brij Rs. 9,000 were recorded as Rs.900.
  - Goods returned to Charu Rs. 4,000 were recorded in the sales return book.
  - Purchase Book has been under cast by Rs.10,000.
- Q.2. While trying to close his books for the year ended 31<sup>st</sup> March, 2015, Mahesh found that the trial balance did not agree. He traced the following errors:
- Rs.620 received from Mohan were posted to the debit side of his Account.
  - A discount of Rs.282 allowed to a customer has been credited to his account as Rs.228.
  - Goods for Rs. 1,200 returned to Kundan Lal, though entered in the Return Book has not been posted to his account.
  - Sales Book was over cast by Rs. 100.
- Rectify the above errors, assuming:-
- that no suspense account has been opened with the difference in trial balance,
  - that such a suspense account has been opened.

# ECONOMICS

## QUARTILE DEVIATION AND ITS COEFFICIENT

Q1 X 1200 1400 1500 1700 2000 2100 2200

Q2 20 28 40 12 30 15 50

Q3

X 150 151 152 153 154 155 156 157 158

F 15 20 32 35 33 22 20 12 10

Q4

X 10 20 30 40 50 60

F 4 7 15 8 7 2

Q5 X 5-10 10-15 15-20 20-25 25-30 30-35 35-40 40-45 45-50

F 6 10 18 30 15 12 10 6 4

Q6 X [Less than] 25 30 35 40 45

F 2 10 26 16 7

## MEAN DEVIATION And Coefficient [From mean and median]

Q1 X 100 150 80 90 160 200 140

Q2 X 210 220 225 225 235 240 250 270 280

Q3 X 5 10 15 20 25 30 35 40

F 16 32 36 44 28 18 12 14

Q4 X 10 11 12 13 14

F 3 12 18 12 3

Q5 C.I 140-150 150-160 160-170 170-180 180-190 190-200

F 4 6 10 18 9

Q6 C.I 0-10 10-20 20-30 30-40 40-50 50-60

F 3 5 7 2 9

Q7 C.I [MORE THAN] 10 20 30 40 50 60

F 5 12 20 35 54 60

## STANDARD DEVIATION

### INDIVIDUAL SERIES

Q1 8,9,15,23,5,11,19,8,10,12

Q2 3,5,6,7,10,12,15,18

Q3 160,160,161,162,163,163,163,164,164,170

### Discrete series

Q4

X 3, 4, 5 6, 7, 8, 9.

F 3, 7, 22, 60, 85, 32, 8

Q5 X 10 20 30 40 50 60 70

F 6 8 16 15 32 11

Q6 X 60 61 62 63 64 65 66 67 6

F 2 0 15 29 25 12 10 4 3

### CONTINUOUS SERIES

Q1 AGE 20-25 25-30 30-35 35-40 40-45 45-50

F 17 11 8 5 4 3

Q2 0-10 10-20 20-30 30-40 40-50 50-60 60-70

F 2 4 6 8 6 X 4 2

Q3 X 0-10 10-20 20-30 30-40 40-50 50-60 60-70 70-80

F 5 10 20 40 30 20 10 4

Q4 X 5-10 10-15 15-20 20-25 25-30 30-35

F 2 9 29 54 11 5

Q5 X 15-19 20-24 25-29 30-34 35-39 40-44

F 4 20 38 24 10 4



# INFORMATICS PRACTICES

## Chapter 4-Getting Started with IDE Programming

Q1. What do you mean by JAVA?

Q2. What is Netbeans GUI Interface? What are the different components available. Explain each.

Q3. Write the steps to create a new project?

Q4. Write the steps to create a new form?

Q5. Explain the usage of following with the help of an example

- a) `getText()`
- b) `setText()`
- c) `toString()`
- d) `concat()`

Q6. Differentiate between

- a) Text Field and Text Area components
- b) Text Field and Password Field Components
- c) `parseInt()` and `parseDouble()` methods
- d) Design and Source tabs

Q7. Design a GUI desktop application in Java to accept the name and favorite sport in two text fields and gender in radio button. Now display an appropriate message including the name and favorite sport in a dialog box using `concat()` method. The application must have an exit button to end the application and appropriate labels .

Q8. Design a GUI desktop application which accepts time in hours in a text field and display the time in minutes in another text field. The application must have an exit button to end the application and appropriate labels .

Q9. What is the use of a button group in radio button?

## Chapter 5-Programming Fundamentals

Q1. What are the various data types available in JAVA?

Q2. How are keywords different from a variable?

Q3. Explain the use of different operators with the help of an example.

Q4. Design a GUI desktop application in java to calculate the area of square, rectangle, circle. It should accept the argument accordingly. And display the result in different text box. Add appropriate labels, and use radio button to select square, rectangle or circle. Also add exit button to end the application.

Q5. Design a GUI desktop application in java to accept sales of a company for four quarters in a text field. Calculate the total yearly sale and display the same in a dialog box. Add appropriate labels and exit button to end the application.

Q6. Design a GUI desktop application to swap 2 numbers using a temporary variable. Add appropriate labels and exit button to end the application.

Q7. Explain the following functions

- a) setVisible()
- b) setEditable()
- c) setEnabled()
- d) parseInt()
- e) toString()
- f) concat()

# PSYCHOLOGY

## **Ch-8 Thinking**

- Explain the nature of thinking.
- How does reasoning help in solving problems?
- Does thinking can take place without language?
- How can creative thinking be enhanced?
- What are the various barriers to creative thinking?
- What is a concept? Explain the role of concept in the thinking process.

# PHYSICAL EDUCATION

## CHAPTER 7

- Q1. Make a list of test items of Rikli and Jones Test.
- Q2. Explain the procedure for conducting standing broad jump.
- Q3. Explain the procedure for eight foot up and go test.
- Q4. Describe the Rockport one mile test.

**Note: Do the Holidays Home work in P.Ed. Register**