



ST. ANGEL'S SCHOOL
AUTUMN HOLIDAYS
HOMEWORK(2018-19)
CLASS XI
(COMMERCE)

ENGLISH

ASSIGNMENT (HOTS/ EXCEEDING QUESTIONS)

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.

'The Laburnum Top'

Ques.1 What happened when the goldfinch came to the laburnum tree?

Ques.2 Why has the poem been named 'The Laburnum Top'?

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

Note: Solve in assignment register.

Ch 8 BINOMIAL THEOREM

- Q.1 If the coefficients of three consecutive terms in the expansion of $(1+x)^n$ be 76,95 and 76, find n.
- 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 6th, 7th and 8th term in the expansion of $(x+a)^n$ are respectively 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 5th, 6th and 7th term in the expansion of $(1+x)^n$ are in A.P find n.
- Q.7 Find the value of Θ for which the coefficient of middle term in the expansion of $(1+ \Theta x)^4$ and $(1- \Theta x)^6$ are equal find Θ
- Q8** Show that the middle term in the expansion of $(x - 1/x)^{2n}$ is $\frac{1.3.5.....(2n-1)(-2)^n}{n!}$

Ch 9 SEQUENCE AND SERIES

- Q.1 Find the sum of the series
 $3+5+7+9+11+13+15+17+.....$ to 3n terms
- Q.2 The sum of the 3 numbers in G.P is 38 and their product is 1728, find them.
- Q.3 Find the sum of following Series
(1) $5+55+555+.....$ to n terms
(2) $0.7+0.77+0.777+.....$ to n terms
- Q.4 Prove that $6^{1/2} \cdot 6^{1/4} \cdot 6^{1/8} \dots = 1/6$
- Q.5 Find two numbers whose arithmetic mean is 34 and geometric mean is 16.
- Q.6 Insert 6 geometric means between 27 and $1/81$.
- Q.7 Find the sum of n terms of the series
a) $1.2^2+2.3^2+3.4^2+.....$
b) $3+15+35+63+.....$

CH 10 STRAIGHT LINES

- Q.1 A straight line passes through the point (Θ, Φ) and this point bisects the portion of the line intercepted between the axes. Show that the equation of the straight line is $x/2\Theta + y/2\Phi = 1$.
- Q.2 Reduce the line $3x-4y+4=0$ and $2x+4y-5=0$ to the normal form and hence find which line is nearer to the origin.
- Q.3 Find the equation of the medians of a triangle formed by the line $x+y-6=0$, $x-3y-2=0$ and $5x-3y+2=0$.
- Q.4 Find the equation of the line parallel to y – axis and drawn through the point of intersection of the line $x-7y+5=0$ and $3x+y=0$.
- Q.5 Find the equation of the line which divides the join of A (1,0) and B (3,0) in the ratio 2:1 and perpendicular to it.
- Q.6 Find the image of the point (2,1) with respect to the line mirror $x+y-5=0$.
- Q.7 If the image of the point (2,1) with respect to the line mirror be (5,2), find the equation of the mirror.
- Q.8 Find all the points on $x+y=4$ that lie at a unit distance from the line $4x+3y-10=0$.
- Q.9 Two sides AB and AC of an isosceles triangle are given by the equation $7x-y+3=0$ and $x+y-3=0$ respectively and its third side passes through (1,-10). Determine the equation of the line BC.
- Q10) Find the equation of the line through the intersection of $5x-3y=1$ & $2x+3y-23=0$ & perpendicular to the line $5x-3y-1=0$.

BUSINESS STUDIES

CH- 6 SOCIAL RESPONSIBILITY OF BUSINESS AND BUSINESS ETHICS

Q1 What do you understand by social responsibility of business.?

Q2 Name the concept, which is concerned with what is right and what is wrong.

Q3 Business has various social responsibility towards different interest groups. Identify the relevant interest groups highlighted in following cases:

- a) Entrepreneur should act according to well accepted values of the society.
- b) Business should provide fair return on their capital investment.
- c) Business should avoid any type of pollution.
- d) Business enterprise must pay taxes regularly and honestly.
- e) Business should supply good quantity goods at reasonable rates.
- f) There should be proper and safe working conditions.

Q4 Business has too safeguard not only the interests of the parties but the interest of several other parties also like consumers, suppliers, competitors/rivals, government, community and the world. Today, only that business is regarded as good which along with the interests of the owner takes care of the interests of all these parties also.

Which concept of business has been talked about in this statement? Identify that concept and state its meaning.

Q5 Mr. Tarun and Mr. Aryan are planning to form a partnership business of selling food items. Mr. Tarun emphasis on maintaining the standards by providing good quality food and hygiene ambience etc. and he also shared his view that whatever food items would be left unsold at the end of the day they will distribute the same among the road side beggars. But Mr. Aryan was not convinced of this point of view and claimed that we can consume some of the items next day. Both the partners argued on the same and later on Mr. Tarun convinced Mr. Aryan by explaining that how it is important for a business to serve the society.

Write any four such factors which Mr. Tarun must have explained to Mr. Aryan.

CH-7 SOURCES OF BUSINESS FINANCE

Q1 Differentiate between GDR'S and ADR'S.

Q2. The directors of the company have decided to setup a new plant at an estimated cost of 10 crores. State the source of finance available for this purpose.

Q3. What are the preferential rights enjoyed by the preference shareholders.

Q4. Because of festival season Nidhi Garments received double orders, advice the company various sources of finance which can be used to raise necessary finance for this purpose. Write any 4 merits of such finance.

CH-8 SMALL BUSINESS

Q1 Explain the process of “Entrepreneurship Development”.

Q2. Explain the role of small business in India.

Q3 Gurleen food industries set up food and beverages plant in the rural areas of Madhya Pradesh and opted for labour intensive technique due to easy availability of labour and to provide employment to local people, board of directors decided to maintain Rs. 50lakhs to acquire plant and machinery, Rs.1 crore to buy land Rs.25 lakhs to buy raw material and Rs. 20 lakhs to maintain day to day expense.

- a) Name the act of industries which is applicable to the above industry.
- b) Which category of part(a) will the above industry come?
- c) State the investment limits in this category.

Q4 Identify the enterprises in the following cases when the investments in plant and machinery and equipment are:

- a) Upto Rs. 25 lakhs in manufacturing enterprise.
- b) Above 5 crore and upto 10 crores in manufacturing enterprise.
- c) Upto 10 lakhs in a service enterprise.
- d) Above 3 crores and below 5 crores in service industry.

ACCOUNTS

Chapter 16- Accounting for Bills of Exchange

Q.1. Define Bills of Exchange and give its four features.

Q.2. What are the parties to a Bills of Exchange?

Q.3. Differentiate between Discounting charges and Noting charges.

Q.4. 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 in the books of both the parties.

Q.5. X sold goods to Y for Rs.10,000 on 15th 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 15th 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.

Q6. A sells goods to B for Rs. 10,000 plus CGST & SGST @ 9% each. B pays Rs. 1,800 in cash and accepts a bill on him for the balance amount for 3 months. Before the due date, B requests A to cancel the bill, to accept Rs. 3,000 as part payment and to draw a fresh bill on him for Rs. 7,200 for a further period of 2 months- Rs. 200 being the interest for the extended period. A agrees to the proposal. The new bill is duly honoured. Pass necessary journal entries and other party account in the books of both the parties

Q7. A purchases goods worth Rs. 6,200 from B and gives him his acceptance for Rs. 6,000 in full satisfaction. B purchases goods worth Rs.10,000 from C and endorses the bill to him, paying the balance by cheque. On maturity the bill is dishonoured , noting charges amounted to Rs.100.

Give the Journal entries in the books of A ,B and C.

Chapter 19- Adjustment in preparation of financial statement

Q1. What adjusting entries would you pass for the following:

- I. Depreciation
- II. Manager's commission
- III. Income received in advance?

Q2. Ravi's Trial Balance as on 31st March, 2018 has the following information:

HEADS OF ACCOUNTS	DEBIT(Rs.)	CREDIT(Rs.)
LOAN(TAKEN ON 1 ST OCTOBER 2017 INTEREST @10%P.A.)	-----	1,00,000
INTEREST	4,000	-----

What is the amount of outstanding interest to be provided?

Q3.From the following Trial balance of M/s Arjun and Sons as on 31st march 2018, prepare Trading and Profit and Loss Account and Balance Sheet:

HEADS OF ACCOUNTS	DEBIT BALANCES(R S)	CREDIT BALANCES(RS)
DRAWINGS	1,80,000	-----
CAPITAL	-----	8,00,000
PURCHASES	8,26,000	-----
SALES	-----	15,50,000
OPENING STOCK	4,20,000	-----
RETURN OUTWARD	-----	16,000
CARRIAGE INWARDS	12,000	-----
WAGES	40,000	-----
POWER	60,000	-----
MACHINERY	5,00,000	-----
FURNITURE	1,40,000	-----
RENT	2,20,000	-----
SALARY	1,50,000	-----
INSURANCE	36,000	-----
8% BANK LOAN	-----	2,50,000
DEBTORS	2,06,000	-----
CREDITORS	-----	1,89,000
CASH IN HAND	15,000	-----
TOTAL	28,05,000	28,05,000

ADJUSTMENTS:

- Closing Stock Rs. 6,40,000.
- Wages Outstanding Rs.24,000.
- Bad Debts Rs.6,000 and Provision for Bad and Doubtful Debts to 5% on Debtors.
- Rent is paid for 11 months.
- Loan from bank was taken on 1st October ,2017.
- Provide Depreciation on Machinery @10% p.a.
- Provide Manager's commission at 10% on net profit after charging such commission.

ECONOMICS

MEASURES OF CENTRAL TENDENCY

ARITHMETIC MEAN

Q1. Find average for following individual data

2,3,5,6,8,10,11,13,17,20

Q2. Daily income of 10 families is given as follows:

Sno	1	2	3	4	5	6	7	8	9	10
Daily IN	100	120	80	85	95	130	200	250	225	275

Calculate average daily income

Q3. The following table gives the marks obtained by 10 students of a class.

Sno	1	2	3	4	5	6	7	8	9	10
Marks	43	60	37	48	65	48	57	78	31	59

Find out mean marks using Direct and shortcut method.

Q4. Find out the mean by i) Direct Method ii) Shortcut method iii) Step Deviation Method

64,59,67,69,65,70,68

Q5. DISCRETE SERIES

Q5 Find average ;

X 3 5 6 7 8

F 2 4 3 8 10

Q6 Find average.

HEIGHT in cms 58 60 62 64 66 68

Number of plants 12 14 20 13 8 5

Q7 use all methods of Mean

MARKS	5	15	25	35	45	55	65
No. of students	4	6	10	20	10	6	4

Q8 Calculate A.M by direct method.

Age in years . 20 21 22 23 24 25

No. of males 1 2 4 5 15 23

Q9 Compute the mean marks .

Marks 0 -10 10-20 20-30 30-40 40-50

No.of std. 4 6 10 20 10

Q 10 Find mean

Marks 0-4 4-8 8-12 12-16 16-20 20-24

No of St 7 9 16 8 6 4

Q11 Compute Mean

Daily wages 2-4 4-6 6-8 8-10 10-12 12-14 14-16 16-18

No. of workers 11 14 20 32 25 7 5 2

Q12 Compute Mean

Marks 5-15 15-25 25-35 45-55 55-65

No of St . 8 12 6 7 3

Q13. FIND MEAN

MARKS	No of students
Less Than 10	5
20	20
30	45
40	70
50	80
60	88
70	98
80	100

Q14. Calculate arithmetic mean from the following data:

MARKS	No of students
More Than 0	150
10	140
20	100
30	80
40	80
50	70
60	30
70	14

Q15. Calculate mean of unequal class intervals

X	0-10	10-20	20-30	30-60	60-90
F	5	9	20	12	4

Q16 Calculate mean of inclusive series

Age	20-29	30-39	40-49	50-59	60-69
Workers	10	8	6	4	2

Q17. The mean height of 25 male workers in a factory is 61 inches and the mean height of 35 female workers in the same factory is 58 inches. Find the combined mean height of 60 workers in the factory.

Q18. The mean age of combined group of men and women is 35 yrs. If the mean age of the group of men is 35 and that of the group of women is 25, find out the percentage of men and women in the group.

Q19. The average weight of group of 20 boys was calculated to be 89.4/ It was later discovered that one weight was misread as 78 kgs instead of correct one of 87 kgs. Calculate the correct average weight.

Q20. Calculate weighted mean.

Marks	62	77	65	62	57
Weights	2	1	2	3	4

INFORMATICS PRACTICES

- **Complete Practical File**

Chapter 6-Control Structure

Q1. What is the difference between while and do while? Explain with the help of an example.

Q2. What is the purpose of default clause in a switch statement?

Q3. If we don't use break in case of switch statement what will happen? What is that condition known as?

Q4. Explain the use of for statement along with its syntax.

Q5. What are relational operators? Explain with the help of suitable example.

Q6. Following are the grading system of a school.

Marks	Grade
91-100	A+
81-90	A
71-80	B
61-70	C
Less than 61	D

Develop an application based on the above grading system, to display the grade in a dialog box depending upon the marks entered. For example if the marks entered is 91. The message should be "The student has scored A+".

Q7. Design a GUI application to print the Fibonacci series. The user should enter the last number, and once he clicks on the enter button the Fibonacci series up to that number should be displayed .

PSYCHOLOGY

Chapter Covered- Ch-6 Learning , Ch-8 Thinking

1. Explain the nature of thinking.
2. How does reasoning help in solving problems?
3. Does thinking can take place without language?
4. How can creative thinking be enhanced?
5. What are the various barriers to creative thinking?
6. What is a concept? Explain the role of concept in the thinking process.
7. Discuss different types of learning with examples.
8. What do you understand by learning disability?

PHYSICAL EDUCATION

Ques-1Ramesh, a young boy, works at construction sites. He lifts heavy weight on his head regularly. When he tried to join the army, he was shocked to know that the army doctor declared him unfit because of his feet deformity.

- (i) Name the postural deformity Ramesh is suffering from?
- (ii) Which exercise should Ramesh practice to correct his deformity?

Ques-2 Explain benefits, contradiction and technique of performing paschimottanasana?

Ques-3 Draw and give full details of your game in your register?"

Ques-4 Write about 'female athlete triad' in detail?

Ques-5 How AAHPER youth fitness test is administrated?

“All the students must wear winter uniform from 22-October 2018, excluding blazers or sweaters.”