



**THE INDIAN COMMUNITY SCHOOL KUWAIT – KHAITAN**

Dear Parent,

We are glad to inform you that K-RAYS, our exhibition of projects on Science, Mathematics, Social Science, English, Hindi, French, EVS, Computer Science, Art, Music, Dance, Arabic, Islamic Studies and Sports is going to be re-launched after a gap of two years. It is going to be organized on Thursday, 17th October, 2019 from 04:00 pm to 08:00 pm in our campus. All students from LKG to XI are expected to participate as it is going to be a rich learning experience for them. It will also provide an opportunity for innovative thinking. The participation is optional for class X and XII students.

A child may submit minimum 1 project and maximum of 2 individually or as a team. These projects shall be considered as their SEA (Subject Enrichment Activity) for that respective subject. Marks shall be awarded for the same. A child doing a project in a particular subject is exempted from the vacation assignment of that subject. Class wise/ subject wise topics are suggested along with the vacation assignments below.

All projects are to be submitted to the concerned subject teachers after the vacation. The best 10 projects from each class shall be selected, to be exhibited in K-RAYS. Class wise best 3 projects will be awarded prizes.

Please note:

- The student has to submit the vacation assignments on his/her first reporting day after the vacation. Any delay in this shall be penalized by deducting 1 mark per day.
- The project/ exhibit should be an original work done by an individual student or a team of maximum 4 students.
- As far as possible, innovative working models should be submitted, mere charts/still models will not be preferred.
- Commercially available models will not be allowed unless it is an integral part of the exhibit.
- Highly inflammable materials, any unsafe apparatus or device will not be allowed.
- First submission of the K-Rays projects is on 10<sup>th</sup> September, 2019.
- In case your ward's project is selected, you may make any modification, or prepare any supporting materials (charts, ppt. etc) if required, before the exhibition.

Thanking you.  
With best regards,

Principal

26 /05/2019



**ENGLISH HOLIDAY ASSIGNMENT 2019-CLASS XI**

Q1. (a) Read at least five short reports in any English newspaper. Cut and paste them in your note-book. On the basis of your reading of these reports, make notes on them in points only, using headings and sub-headings and also suggest a suitable title. Use recognizable abbreviations wherever necessary.

(b) Make a summary of these passages in not more than 80 words.

Q2. Visit any one of the following places and write a factual description about what you saw there and how this experience affected your life. (150 words) (hospital/ orphanage/ old age home/ blind school/School for special children or any other such place)

Q3. Read a newspaper every day and select at least one main news of your interest. Write a paragraph of 150-200 words on 30 News items.

Q4. Make a comparative study of an Indian author who writes in English with that of a writer of any other nationality who writes in English. There is no restriction to the genre of writing that you choose. The work is to be presented in manuscript, neatly enclosed in a file.

{The assignment except should be neatly handwritten and **submitted in an A4 size folder**}

**Project-Book Review – Class XI**

**Format:**

**1. Title of the Book**

**2. Author of the Book: Who has written the book?**

**3. Best Selling Information: Was the book a top-selling book – under what category?**

**4. Genre: Does the book come under the category of Fiction or Non Fiction?**

**Fiction includes: Classic, Comic/Graphic Novels, Fantasy, Crime/Detective, Mystery, Mythology, Science Fiction, Suspense/Thriller etc.**

**Non-Fiction includes: Biography/Autobiographies, Narrative Nonfiction, Essays etc.**

**5. Name of the Publisher 6. Achievements: Has the book won any awards/achievements? Has the author won any awards for the book? In what year?**

**7. About the Author: 8. Summary:.**

**9. Plot details: 10. Setting: Where has the book been set – historical moment in time/ geographic location? At what time/what year/season? This helps initiate the main backdrop and mood for the story.**

**THE INDIAN COMMUNITY SCHOOL , KUWAIT**

**HOLIDAY ASSIGNMENT**

**MATHEMATICS**

**CLASS – XI**

- 1 If  $2 \tan(\alpha) = 3 \tan(\beta)$ , prove that  $\tan(\alpha - \beta) = \frac{\sin(2\beta)}{5 - \cos(2\beta)}$ .
- 2 Prove that :  $\tan(60 + A) \cdot \tan(60 - A) = \frac{2 \cos 2A + 1}{2 \cos 2A - 1}$
- 3 If  $\cos \alpha + \cos \beta = 0 = \sin \alpha + \sin \beta$  then find the value of  $\cos 2\alpha + \cos 2\beta$ .
- 4 Prove that :  $\cos^2\left(\frac{\pi}{8}\right) + \cos^2\left(\frac{3\pi}{8}\right) + \cos^2\left(\frac{5\pi}{8}\right) + \cos^2\left(\frac{7\pi}{8}\right) = 2$
- 5 If  $\tan A = \frac{1}{7}$  and  $\tan B = \frac{1}{3}$  show that  $\cos 2A = \sin 4B$
- 6 If  $\cos(\alpha + \beta) = \frac{4}{5}$ ,  $\sin(\alpha - \beta) = \frac{5}{13}$  and  $\alpha$  and  $\beta$  lies between 0 and  $\frac{\pi}{4}$ , show that  $\tan 2\alpha = \frac{56}{33}$
- 7 Show that :  $\frac{2 \sin \theta - \sin 2\theta}{2 \sin \theta + \sin 2\theta} = \tan^2\left(\frac{\theta}{2}\right)$
- 8 If  $\sin \theta = \frac{1}{2}\left(x + \frac{1}{x}\right)$ , show that  $\sin 3\theta + \frac{1}{2}\left(x^3 + \frac{1}{x^3}\right) = 0$
- 9 Prove that :  $\frac{\sec 8A - 1}{\sec 4A - 1} = \frac{\tan 8A}{\tan 2A}$
- 10 Prove that :  $\sin^3 A + \sin^3\left(\frac{2\pi}{3} + A\right) + \sin^3\left(\frac{4\pi}{3} + A\right) = -\frac{3}{4} \sin 3A$
- 11 Find the real numbers x and y if  $(x - iy)(3 + 5i)$  is the conjugate of  $-6 - 24i$
- 12 Find the polar form of the complex numbers (i)  $\frac{1+2i}{1-3i}$  (ii)  $-\sqrt{3} + i$  (iii)  $\frac{1}{1+i}$  (iv)  $\frac{-16}{1+i\sqrt{13}}$
- 13 Evaluate  $\left[i^{18} + \left(\frac{1}{i}\right)^{25}\right]^3$
- 14 If  $Z_1, Z_2, Z_3, \dots, Z_n$  are complex numbers such that  $|Z_i| = 1$ , prove that  

$$|z_1 + z_2 + \dots + z_n| = \left|\frac{1}{z_1} + \frac{1}{z_2} + \dots + \frac{1}{z_n}\right|$$
- 15 Find the modulus of the complex number  $\frac{1 + \cos \theta + i \sin \theta}{1 + \cos \theta - i \sin \theta}$
- 16 Find the square root of  $7-24i$
- 17 Evaluate :  $(-\sqrt{-1})^{4n+3}$ ,  $n \in \mathbb{N}$
- 18 If  $Z_1 = 2 - i$ ,  $Z_2 = 1 + i$ , find  $\left|\frac{Z_1 + Z_2 + 1}{Z_1 - Z_2 + i}\right|$
- 19 If  $(1 + i)(2 + i)(3 + i) \dots (n + i) = x + iy$ , find  $(2)(5)(10) \dots (n^2 + 1)$
- 20 If z is a complex number such that  $|z + 2| \leq 5$ , then find the greatest value of  $|z + 5|$
- 21 Find the value of  $2x^4 + 5x^3 + 7x^2 - x + 41$  when  $x = -2 - \sqrt{3}i$

THE INDIAN COMMUNITY SCHOOL- KUWAIT

PSYCHOLOGY HOLIDAY ASSIGNMENT

CLASS XI

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1. Case study:  
Conduct a case study on any individual, group/organization, concept related to psychology using methods like observation, interview and survey. Case study should be minimum 20 pages (spiral bind)
2. Complete record work. All three practicals should be written neatly in the record.
3. Write an autobiography of your life or narrate your own experiences/lessons learnt from it. You can narrate any significant event/episode from your life.
4. Watch any movie having a psychological theme or based on psychological disorder and write a review of the movie.
5. Read all the concepts given in boxes in chapters 1-9, paraphrase them and write them in your own words in a separate note book.
6. Learn and revise chapters 1 and 2

## **Holiday Assignment 2019**

### **Physical Education - XI**

#### **One mark questions**

1. What do you mean by BMI?
2. Enlist the elements of yoga?
3. What do you mean by Special Olympic Bharat?
4. What do you mean by wellness?
5. What do you mean by coordinative abilities?
6. What is Olympic motto?
7. Who can participate in Paralympic Games?
8. What is body composition?

#### **Three marks questions**

9. What is adapted physical education and explain any three principles?
10. Define strength and discuss its types in brief?
11. Elucidate the objectives of modern Olympic Games?
12. What do you mean by pranayama? Mention the types of pranayama?

#### **Five marks questions**

13. Define physical education and explain its objectives in detail?
14. Explain the components of Physical Fitness in detail.
15. Describe in detail about the role of various professionals for children with special needs.

**INDIAN COMMUNITY SCHOOL, KUWAIT**  
**Summer Vacation Assignment for the academic year 2019-20**  
**Accountancy –XI**

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**INSTRUCTIONS:**

- ✓ **Assignment submission date: Aug 25<sup>th</sup>, 2019.**
  - ✓ **Assignment to be done on loose sheet and should be properly filed in a folder.**
  - ✓ **Assignment should be hand written and not a photocopy.**
  - ✓ **All questions should be attempted.**
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**Q1.** Define Accounting?

**Q2.** What are the Objectives of Accounting?

**Q3.** What are the different branches of Accounting?

**Q4.** Briefly explain IFRS and write any two objectives.

**Q5.** Who are the users of accounting information? Why do they need accounting information?

**Q6.** Explain the following Accounting Concepts:

- (a) Going Concern Principle
- (b) Revenue Recognition
- (c) Accounting Period
- (d) Prudence or Conservatism Principle

**Q7.** Differentiate between Cash basis and Accrual basis of accounting? **Q8.** Write any three advantages & three disadvantages of Accounting.

**Q8.** Explain Capital Expenditure, Revenue Expenditure & deferred revenue expenditure?

**Q9.** What is GST? Explain the features of GST

**Q10.** Cash book is subsidiary book as well as principle book. Explain

**Q11.** What is contra entry? How can you deal this entry while preparing double column cash book.

**Q12.** What is imprest system of petty cash book?

**Q13.** State the purposes of maintaining subsidiary books.

**Q14.** Prepare cash vouchers on the basis of following information:

Company: Thomas & Sons (A-23, Janak Puri Industrial Area, Delhi) Cashier: Ranjith Kumar, Manager:  
Hussain

Purchased Machinery                      ₹ 20,000

Commissionreceived ₹15,000

**Q15** Prepare Accounting equation on the basis of following information:

- 1) Arun started businesswith  
Cash ₹80,000,  
Machinery ₹10,000  
Furniture ₹10,000
- 2) Purchased goodsfor ₹50,000.
- 3) Paid Salary ₹2,000
- 4) Sold goods to Ratan (Cost ofgoods ` 29,000) ₹31,000
- 5) Interest on the above capital was allowed @ 10% p.a. for 1month
- 6) Money withdrew from the business for hispersonaluse ₹10,000
- 7) Rentoutstanding ₹500
- 8) Advancecommissionreceived ₹7,000
- 9) Depreciation chargedonmachinery ₹2,000
- 10) Received from Ratan in fullsettlement ₹30,500
- 11) PurchasedfromAbhay ₹40,000
- 12) Sold material(Costing ` 40,000) ₹43,000
- 13) Paid to Abhayonaccount ₹20,000
- 14) Goods destroyed by fire ₹5,000

**Q16.** Enter the following transactions in the journal of Mohan: 2016

- Jan 1 Started businesswith Cash₹80,000  
Goods₹40,000
- Jan.3 Paid into bank for opening a bankcurrentaccount. ₹50,000
- Jan 7 Purchased MachineryfromSinghal₹1,00,000
- Jan 9 Sold goodstoAmar₹12,000
- Jan 15 Withdrew cash by cheque forpersonaluse ₹3,000
- Jan 17 Took abankloan ₹40,000
- Jan 19 Paid Salary ₹2,000 and rent ₹1,000 by Cheque
- Jan 20 Interest allowedbybank.₹300
- Jan.21 Ram who owed us ₹1,000 met with an accident and nothing could be recovered.
- Jan 22 Sold goods to Samar of the list price ₹ 50,000 less 15% trade discount.
- Jan 23 Amar returned goods forbeingdefective. ₹1,000

Jan 24 Amar paid the amount due under a cash discount of 2%.

Jan 25 Depreciation on Machinery 10%

Jan 26 Distributed goods as free sample

₹5,00

0

**Q17.** The transactions for the month of March 2017 of M/s Vinod & Co. are furnished here as under. You are required to enter the same in double column Cash Book:

March 1 Cash in hand ₹41,500

and Cash at Bank.

₹20,0

00.

March 2 Paid wages by cheque ₹9,500

March 5 Made cash purchases ₹15,000

March 15 Received by cheque from Krishna ₹5,300

March 16 Paid by cheque to Mohan ₹4,000

March 17 Withdrew cash from bank for office use ₹10,000

March 18 Cash sales amounted to ₹15,000

March 19 Krishna's cheque deposited in bank

March 20 Bought furniture paid by cheque ₹30,000

March 22 Bank credited the account for interest. ₹2,000

March 23 Received a cheque from Suresh ₹15,000

(Deposited in bank on same day)

March 24 Paid house electricity bill by cheque ₹3,000

March 30 Deposited cash into Bank ₹12,000

**Q18.** Journalize the following transactions with GST calculations

2017

May 5 Bought goods for ₹50,000 plus CGST and SGST @ 6% each.

May 8 Purchased goods from Akbar & Co. for ₹1,00,000 plus CGST and SGST @ 6% each.

May 10 Purchased goods from Leela for ₹60,000 plus CGST and SGST @ 6% each, issued her cheque ₹30,000, balance payable after two months.

May 15 Purchased goods from Renjith Singh for ₹40,000 plus IGST @ 12% against cheque payment.

May 18 Sold goods to Sonia for ₹50,000, charged CGST and SGST @ 6% each.

May 20 Sold goods for ₹6,000, charged CGST and SGST @ 6% each



May 22 Sold goods to Abhay for ₹60,000, charged CGST and SGST @ 6% each against cheque for ₹10,000, balance to be received after one month.

May 25 Computer Purchased from HP Ltd for office use for ₹50,000 plus IGST @ 12% payment made by cheque.

**Q19.** Mr. Sumit, the Petty Cashier of M/s Travels India received ₹2,000 on April 1, 2018 from the Head Cashier. Prepare Petty Cash Book on Imprest System from the petty payments during the month of April 2014 for the following items:

Date	Details	
April 2	Auto fare	200
3	Courier services	50
4	Postage stamps	95
5	Pencils/Pads	65
6	Speed Post Charges	40
8	Taxi fare	295
9	Refreshments	310
11	Auto fare	60
13	Telegram	64
16	Computer stationery	165
19	Bus fare	40
21	STD Call Charges	205
23	Refreshment	80
25	Photostat Charges	45
28	Courier services	40
30	Bus fare	40

**Q20.** Enter the following transactions in Special Purpose Books of M/s Goel Electronic for the month of August 2015

Date	Details
August 4	Sold on Credit to M/s. Tanaya Electronics as per Invoice No. 1248 12 Set [6"] B.W. T.V. @ ₹900 per set. 5 set DVD Players @ ₹2,500 per set Less trade Discount 5%
August 5	Purchased from M/S Ankit Electronics as per bill No. 4387 10 Washing Machine @ ₹4,000 per Machine 15 Set [6"] B.W. T.V. @ ₹5,000 per set.

10 set DVD Players @ ₹2,000 per set  
Less trade discount 10%

August8 Sold on Credit to M/s Kanshik Electronics as per Invoice  
No.1278  
5 Washing Machines @ ₹4,500 PerMachine  
2 Color T.V. 29" @ ₹16,500 Per T.V.  
Less 10% Trade Discount

August9 Purchased on Credit from M/s.Tansen Electronics as per  
billNo.4448  
10 Set [6"] B.W. T.V. @ ₹600 per set.  
7 set DVD Players @ ₹2,100 per set  
5 Color T.V. 29" @ ₹14,000 Per T.V  
Less trade Discount 5%

August12 M/s.Tanaya Electronics returned goods as per creditNoteNo.73  
1 Set DVD Player @ ₹2,500 per set  
1 Set [6"] BW T.V. @ ₹900  
per set. Trade Discount  
allowed @ 5%

August18 Sold on Credit to M/s Diamond Electronic as per InvoiceNo.1290  
5 Tape Recorders @ ₹1,000each  
10 Two-in One @ ₹1,800 each  
Less Trade Discount 5%

August19 Returned to M/S Ankit Electronics under billNo4448  
2 washing machine & 2  
DVDplayers

August25 Sold on Credit to M/s Electronic Zone as per InvoiceNo.1299  
5 Water cooling Machines @ ₹7,000each

August28 Sold on Credit to M/s North East Electronics as per InvoiceNo.1308  
10 Music Systems @ ₹3,000each  
Less Trade Discount 10%

August29 Returned goods to Tansen electronics via 4448  
1 set [6'] B. W. TV & 1 Color TV 29"

August 31 M/s. Electronic Zone returned goods as per credit Note No.93  
1 Water cooling Machine @ ₹7,000 each

**Q21)** Journalise the following transactions:-

- i) Goods costing Rs.500 given as charity.
- ii) Sold goods to Mayank of Rs.1,00,000, payable 25% by cheque at the time of sale and balance after 30 days of sale.
- iii) Received Rs.975 from Harikrishna in full settlement of his account of Rs.1,000.

iv) Received a first and final dividend of 60 paise in a rupee from the official Receiver of Rajan, who owed us Rs.1,000.

**Q22)** Prepare Two-Column Cash Book of Diana, Lucknow from the following transactions:-

2018	Cash in hand	2,20,000
April 1	Cash at Bank(Overdraft)	60,000
April 3	Deposited in Bank	80,000
April 4	Goods purchased for Rs.34,000 plus CGST and SGST @6% each and issued a cheque for the same.	
April 7	Cash purchases plus CGST and SGST @6% each	16,000
April 8	Paid Commission by cheque including CGST and SGST @6% each.	13,440
April 9	Withdrew from bank for private use.	2,500
April 12	Received from Ved in full settlement of his account Rs.6,000, half of the amount was deposited into the bank on the same day.	
April 16	Interest collected by the bank	14,000
April 20	Cash Sales including CGST and SGST @6% each.	47,040
April 22	Salaries Paid	40,000
April 22	Goods sold to Sona&Co.,Kolkata plus IGST @12%.	36,000
April 23	Received Cheque from Sona&Co. after discount of Rs.800.	39,520
April 27	Deposited the cheque received from Sona&Co. into Bank.	

**Q23)** Briefly Explain Source Documents.

**Q24)**

On the basis of the narrations, fill in the missing values:				
Date	Particulars	L F	Dr.(Rs)	Cr.(Rs)
i)	.....Dr		.....	
	.....Dr		.....	

	To..... (Being the capital introduced in cash Rs.1,00,000 and balance by cheque)			6,00,000	
ii)	.....Dr .....Dr .....Dr  To..... (Being the goods purchased in cash, paid CGST and SGST @6% each)		..... ..... .....	16,800	
iii)	.....Dr  To.....  (Being the land purchased for Rs.2,50,000, payment made by cheque)		.....	.....	
iv)	.....Dr .....Dr  To.....  (Being the goods purchased from Hari, payable IGST @12%.		..... .....	1,12,000	
v)	.....Dr  To.....  (Being salaries due to clerk)		40,000	40,000	
vi)	.....Dr  To.....  (Being rent paid in advance)		14,500	14,500	
vii)	.....Dr  To.....  (Being interest on Capital on Rs.1,50,000 at 6% p.a due for 9 months)		.....	.....	

	viii)	.....Dr	15,000		
		To.....		15,000	
		(Being commission accrued but not received)			

Q25) Prepare Accounting Vouchers for the following transactions which took place in Ideal Techno Hub:-


FEB-20	Paid Rickshaw fare	Rs.50.
FEB -25	Sold Old typewriter for cash receipt No.754	Rs.5600
FEB -28	Sold goods to M/s Sidney Ltd.Vide Invoice No 4692.	Rs.8690

# BUSINESS ADMINISTRATION

## HOLIDAY ASSIGNMENT- 2019/20

### CLASS XI

1. Explain various auxiliaries to trade.
2. Describe the features of Business Environment.
3. What is the significance of Business Correspondence?
4. Explain the features of business.
5. What is included in legal environment of Business? State.
6. Write short note on Completeness.
7. Distinguish between Internal and External Trade.
8. Write short note on Economic Environment.
9. Describe briefly the role of profit in business.
10. What are the types of Business letters?
11. Explain the factors of Internal Environment.
12. Define Business Environment. Explain its

1. 	<b>THE INDIAN COMMUNITY SCHOOL, KUWAIT</b>
	<b>HOLIDAY ASSIGNMENT</b>
	<b>CLASS XI Economics</b>
	<b>2019-2020</b>

2. What is statistics? Briefly describe the phases / methods of statistics.
3. What is the importance of statistics to government? [any five]
4. Describe the features of statistics in the plural sense.
5. Define the following terms used in statistics: Investigator, Enumerator, Respondent, Population, Sample, Pilot survey, data, production, consumption and capital formation.
6. Differentiate between Primary Data and Secondary data.
7. Draft a questionnaire to study the employment pattern of people in a locality.
8. Briefly discuss the causes of statistical errors. How one can be reduce and remedy them?
9. What is direct oral investigation? Briefly describe the process of conducting a direct oral investigation.
10. Discuss the qualities you wish to see in a good questionnaire.
11. Distinguish between Census Method and Sample Method.
12. Write a note on the nature and functions of National Sample Survey Organisation (NSSO)
13. You have been assigned the task of studying the economic status of 1000 students' families. How will you choose a sample of 160 students using the stratified sampling method? Explain.
14. What is secondary data? Describe any three sources of secondary data.
15. What are the advantages of Census method?
16. Discuss the advantages of Sample method.
17. What is Economics? Has the subject matter of economics undergone changes? How? Explain.
18. Mention three major differences between Microeconomics and Macroeconomics.
19. What is Positive Economics and how does it differ from Normative Economics?
20. What is the 'problem of – For whom to Produce?' Is it a problem of Allocation? How?
21. What is a Human Want? State the features of human wants.
22. Explain the technique of Production Possibility Curve with suitable example.
23. What are the characteristics of a PPC? Give reasons for the same.
24. When does a PPC shift outward and inward?
25. What is Marginal Opportunity Cost or Marginal Rate of Transformation [MRT]?
26. Calculate the MRT from the following schedule:

Production Possibility	A	B	C	D	E
GOOD - X	0	10	20	30	35
GOOD – Y	100	90	70	40	0

Does the MRT rise or fall? Give a reason.

27. State the features or properties of an Indifference Curve.

28. What is the meaning of consumer equilibrium? Explain the conditions of consumer equilibrium with the help of the indifference curve analysis.
29. Explain the meaning of Diminishing Rate of Substitution with the help of numerical example.
30. What is a budget line? Derive the budget line equation and slope of budget line.
31. Write an article on KNOWLEDGE ECONOMY on the basis of the reference material provided in the links below:

<https://www.investopedia.com/terms/k/knowledge-economy.asp>

<https://www.oecd.org/naec/THE-KNOWLEDGE-ECONOMY.pdf>

<https://www.odi.org/publications/5693-world-bank-knowledge-economy-framework>

[https://en.wikipedia.org/wiki/Knowledge\\_economy](https://en.wikipedia.org/wiki/Knowledge_economy)

<https://simplicable.com/new/knowledge-economy>

<https://simplicable.com/new/knowledge-work>

<https://simplicable.com/new/knowledge-product>

Class XI

INFORMATION TECHNOLOGY

HOLIDAY ASSIGNMENT

1. List out various IT and ITES services.
2. Draw a table comparing the types of programming language with example.
3. List different types of connectors and cables with pictures.
4. List out the specifications of commonly available motherboard and processors.
5. List out the various types of operation system.
6. List out the specifications of various types of graphics card with its quality of display
7. List common health and safety issues when using a computer.
8. List the hardware and software configurations of a computer.
9. Which are the different types of multimedia devices. Explain.
10. Make a list of 5 input devices with its pictures.