KĀSIGA SCHOOL

DEHRADUN

Holiday Homework Summer Break 2020

HOLIDAY HOMEWORK GRADE 11 (COMMERCE)

ENGLISH

Time away from the classroom is often the greatest gift for project planning.

Holiday Homework Class 11&12

1. **Complete all the assignments for the topics covered so far in the notebook.**
2. **Critique one of the following movies in about 200-250 words. Prepare to deliver the same as an integral part of your Speaking Assessment that carries 10marks.**
   The Sound of Music, Inception, Gravity, Interstellar, Life of Pi, The Mysterious Island, Hugo, Hook.

General guidelines on how to critique a movie:

- Choose a movie.
- Specify the issues you are going to discuss and analyze in your paper.
- Watch the movie two-three times: first–to get a general idea of the film; second time–to pay attention to the points that come into your sphere of interest and/or to note the details you weren't able to notice the first time.

- Concentrate on specific movie characters.
- See if the way the characters dress, talk, act, or look corresponds with the image they should be projecting towards the viewer.
- Remember that the better the characters are developed, the more character-driven the story is.
- Consider that the right motivation of the characters makes the audience believe the story and its development; moreover, it helps to understand the real motives, which should be understandable to the viewers.

- Decide whether the plot is predictable.
- Define whether some actions were unpredictable; if they were, then they provided you with some food for thought to make assumptions and express your views considering an unexpected turn of events or simply shocked you.
- Remember that the structure encompasses 3 acts: introducing the main characters, mounting tension through the story (lead up to the climax of the story), and bringing the movie to an end.
- See if the plot corresponds to characters' motivations.
- Mind that before the ending there should be a culmination of the story when the tension reaches the highest point.

- Remember that good dialogues should not be protracted as they are to sound natural.
- See if there is a logical development of the conversation.

Holiday Homework

Subject : Mathematics

1. If $\sin\theta + \cos\theta = m$, show that

$\cos^6\theta + \sin^6\theta = 4 - 3\,(m^2 - 1)^2/4$, where $m^2 \leq 2$.

2. Find the value of $\cos(31\pi/3)$.

3. Find the principal solution of the equation $\sin x = 1/2$.

4. Find the general solutions of the following equations:

(i) $\sin 2x = \sqrt{3}/2$

(ii) $\cos 3x = 1/2$

5. Decide among the following sets, which are subsets of which:
$A = \{x: x \text{ satisfies } x^2 - 8x + 12=0\}$, $B = \{2,4,6\}$, $C = \{2,4,6,8,....\}$, $D = \{6\}$

6. Let $A = \{1, 2, 4, 5\}$ $B = \{2, 3, 5, 6\}$ $C = \{4, 5, 6, 7\}$. Verify the following identities:
(i) $A \cup (B \cap C) = (A \cup B) \cap (A \cup C)$

(ii) $A \cap (B \cup C) = (A \cap B) \cup (A \cap C)$

7. In a school, there are 20 teachers who teach mathematics or physics. Of these, 12 teach mathematics, and 4 teach physics and mathematics. How many teach physics?

8. Express the given complex number into standard form: $(1 + 2i)^{-3}$

9. If $z_1 = (2 - i)$, $z_2 = (-2 + i)$, find

$$(i)\,\mathrm{Re}\left(\frac{z_1 z_2}{\overline{z_1}}\right)$$
$$(ii)\,\mathrm{Im}\left(\frac{1}{z_1 \overline{z_1}}\right)$$

10. Express $\sin \pi/5 + i\,(1 - \cos \pi/5)$ in polar form.

11. If $\sin A = 1/2$, $\cos B = \sqrt{3}/2$, where $\pi/2 < A < \pi$ and $0 < B < \pi/2$, find the following:
(i) $\tan(A + B)$ (ii) $\tan(A - B)$.

Prove the following identities:

12. $\sqrt{[(1 - \cos 2x) / (1 + \cos 2x)]} = \tan x$.

13. $\cos 2x / (1 + \sin 2x) = \tan(\pi/4 - x)$.

14. A survey shows that 76% of the Indians like oranges, whereas 62% like bananas. What percentage of the Indians like both oranges and bananas?

15. Find the real values of x and y, if

(i) $(x + iy)(2 - 3i) = 4 + i$

(ii) $(3x - 2i\,y)(2 + i)^2 = 10(1 + i)$.

ACCOUNTANCY

HOLIDAY HOME-WORK - JUNE 2020

GRADE: XI   **M.M: 10**

SUBJECT: ACCOUNTANCY   **TIME: 4.5Hr**

Project Work

Duration: 1 Hour 30 Minutes **Marks**: 10**Project file**6 Marks **Viva Voce**4 Marks

Objectives

To enable a student to complete the accounting process in real life business situations and apply the tools of analysis as per the syllabus for a comprehensive project. To develop the competence of reading accounting data from quarterly or half yearly or annual reports of business firms and interpreting the information on the basis of given guidelines to present the desirable information in required format in the Project File for Specific Projects.

Students will put the heading for the project –COMPREHENSIVE PROJECT–

Index should be made. It should be in the following order:

1. Name of the project (for example- M/s Plum Bakers)
2. Objectives of the project (To know whether the business is a success or a failure)
3. Period of study: 1st April 2019 to 31st March 2020
4. Source material (state the sources you have used- example Annual report of HCL for 2019; Accounting by T S Grewal; www.cbseacademic.nic.in)
5. Question- (self made question)
6. Journal entries (do the project till here)
7. Ledger(will be done later on)
8. Trial balance (will be done later on)

Students will select a business from the following :

1. A beauty parlour
2. Men's saloon
3. A tailoring shop
4. A canteen
5. A cake shop
6. A confectionery shop
7. A chocolate shop
8. A dry cleaner
9. A stationery shop
10. Men's wear
11. Ladies wear
12. Kiddies wear
13. A Saree shop
14. Artificial jewellery shop
15. A small restaurant
16. A sweet shop
17. A grocery shop
18. A shoe shop
19. A coffee shop
20. A music shop
21. A juice shop
22. A school canteen
23. An ice cream parlour
24. A sandwich shop
25. A flower shop

After selection, the student(s) are supposed to visit a shop in the locality (this will help them to settle on a realistic amounts different items. The student(s) would be able to see the things as they need to invest in furniture, decor, lights, machines, computers etc.

Following items should be included in preparing the question; for income,expense,asset,liability,capital.(next page)

1.	Rent	19.	Wages and Salary
2.	Advance rent [approximately three months]	20.	Newspaper and magazines
3.	Electricity deposit	21.	Petty expenses
4.	Electricity bill	22.	Tea expenses
5.	Electricity fitting	23.	Packaging expenses
6.	Water bill	24.	Transport
7.	Water connection security deposit	25.	Delivery cycle or a vehicle purchased
8.	Water fittings	26.	Registration
9.	Telephone bill	27.	Insurance
10.	Telephone security deposit	28.	Auditors fee
11.	Telephone instrument	29.	Repairs & Maintenance
12.	Furniture	30.	Depreciations
13.	Computers	31.	Air conditioners
14.	Internet connection	32.	Fans and lights
15.	Stationery	33.	Interior decorations
16.	Advertisements	34.	Refrigerators
17.	Glow sign	35.	Purchase and sales
18.	Rates and Taxes		

The project should be handwritten.

Lines for formats should be drawn with scale and pencil only.

Using glitter in the project is not allowed.

Project file should be box file only (as this project will be further extended in next session).

You will prepare your own question, giving own name to your business, write financial transactions on your own which can result in minimum 50 journal entries covering various transactions from point 1 to point 35 as mentioned in the above list.

Sample Project shared on MS Teams Files.

BUSINESS STUDIES

HOLIDAY HOME-WORK MAY-JUNE 2020

GRADE: XI   M.M: 10

SUBJECT: BUSINESS STUDIES   TIME: 3 Hrs

Project : Field Visit (Can be conducted through video or telephonically)

Students can take help of the online information available for various businesses.

Students will Identify the Business unit (Any one out of five) and complete the project.

Weightage of marks obtained in project will be added to Half Yearly

examination.

Following Pages to be included

Title of the project

Acknowledgement

Bonafide certificate

Bibliography

Project should be handwritten presented in punch papers in a plastic folder

The objective of introducing this project among the students is to give a first hand

experience to them regarding the different types of business units operating in their

surroundings, to observe their features and activities and relate them to the theoretical

knowledge given in their text books. The students should select a place of field visit from

the following: –

1. Visit to a Handicraft unit.

2. Visit to an Industry.

3. Visit to a Whole sale market (vegetables, fruits, flowers, grains, garments, etc.)

4. Visit to a Departmental store.

5. Visit to a Mall.

INSTRUCTIONS FOR WRITTEN WORK IN THE PROJECT: Students will choose one out of five options and will make written project on their observations. Headings of these observations for each of the five options are given below.

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, suppliers 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 organisation.

b) Determinants for location of business unit.

c) Form 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 employers and employees.

j) Capital structure employed- borrowed v/s owned.

k) Quality control, recycling of defective goods.

l) Subsidies available/availed.

m) Safety Measures employed.

n) Working conditions for labour in observation of Labour Laws.

o) Storage of raw material and finished goods.

p) Transport management for employees, raw material and finished goods.

q) Functioning of various departments and coordination among them (Production, Human Resource, Finance and Marketing)

r) Waste Management.

s) Any other observation.

3. Visit to a whole sale market: vegetables/fruits/flowers/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.

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 brands, 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 attractions of the Mall- Food court, Gaming zone or Cinema etc.

i) Innovative facilities.

j) Parking facilities.

ECONOMICS

Developing Projects in Economics

Make Project file on any one of the given topics:

(It should be handwritten of approx. 25-30 pages which includes, using - pictures, diagram, newspaper articles or mind maps and relevant information)

Guidelines for Project Work in Economics

 The students may be encouraged to develop projects, as per the suggested project guidelines. Case studies of a few organisations / outlets may also be encouraged. Under this the students will do only ONE comprehensive project using concepts from both part A and part B.

Some of the examples of the projects are as follows (they are not mandatory but suggestive):

   (i)   **Economic global effect due to coronavirus pandemic.**
   (ii)   Changing consumer awareness amongst households.
   (iii)   Dissemination of price information for growers and its impact on consumers.
   (iv)   Study of a cooperative institution: milk cooperatives, marketing cooperatives, etc.
   (v)   Case studies on public private partnership, outsourcing and outward Foreign Direct Investment.
   (vi)   Global warming.
   (vii)   Designing eco-friendly projects applicable in school such as paper and water recycle.
   (viii) A report on demographic structure of your neighborhood.

The idea behind introducing this unit is to enable the students to develop the ways and means by which a project can be developed using the skills learned in the course. This includes all the steps involved in designing a project starting from choosing a title, exploring the information relating to the title, collection of primary and secondary data, analysing the data, presentation of the project and using various statistical tools and their interpretation and conclusion.
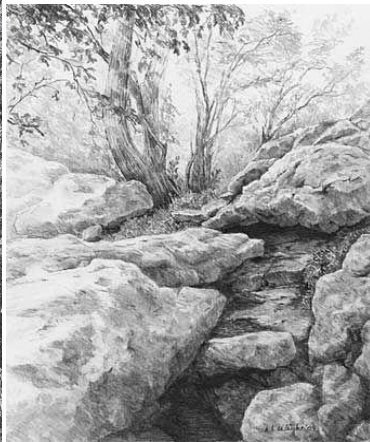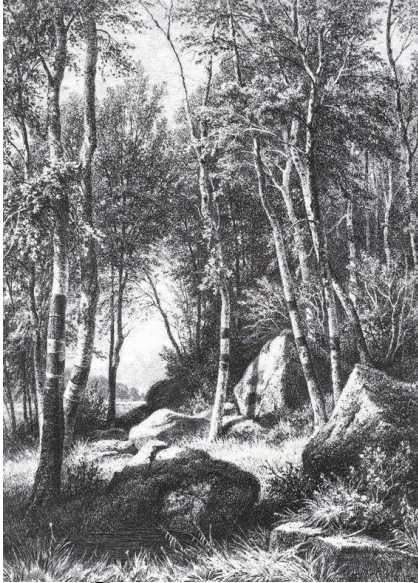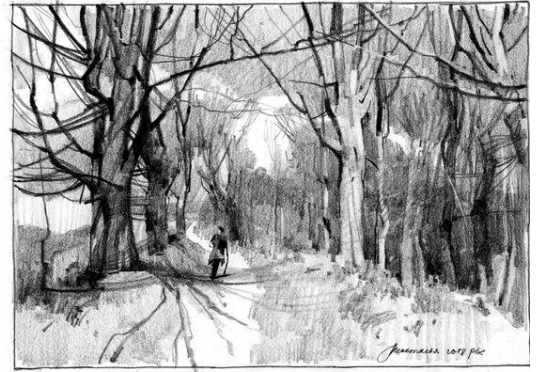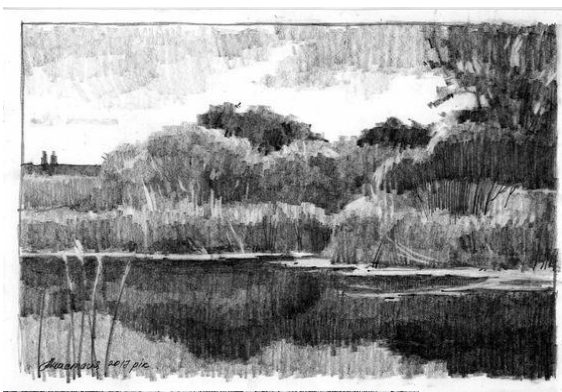
PAINTING

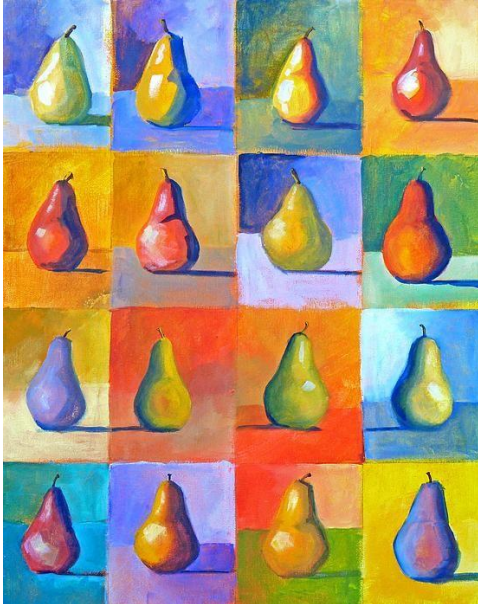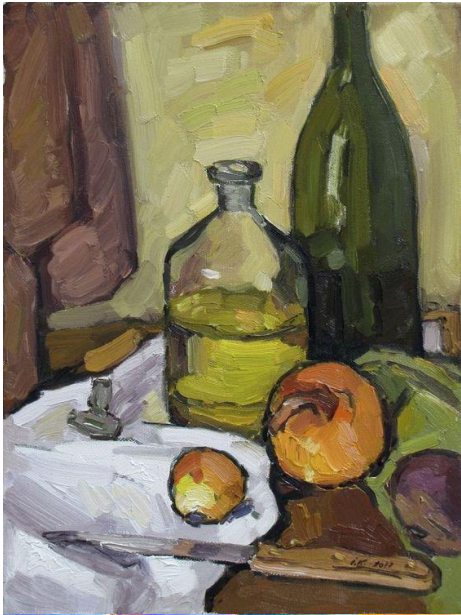**OBSERVATIONAL SKETCHES**
SOME EXAMPLES (5 complete sketches)

OBSERVATIONAL OUDOOR STUDIES (EXAMPLES)
(complete 3 sketches)

OBSERVATIONAL PAINTINGS (EXAMPLES)

(2 complete works)

THEORIES TO STUDY

1. **PRE-HISTORIC CAVE PAINTING (Bhimbetka)**

2. Link:https://www.youtube.com/watch?v=9vOppUiCTUg

3. **Indus valley Civilization**

4. Link:https://www.youtube.com/watch?v=p5bqAKixgYA

Portfolio Assessment Method Introduction:

The Art Portfolio will consist of a compilation of all art works, from sketch to finished product. The submission would include both the original and improved versions of assigned tasks reflective of gradual improvement. Step by step development of the work will be assessed in all units.

Components of a Portfolio:

- Schedule of work

- Research Skills

- Resources and materials

- Study of connections with artists / art movements

- Art making skills

- Personal artist statement

- Studies (e. g., composition/techniques-medium)

- Picture of the final work (reflective skills)

- Evaluation of final work (affective skills)

- Any kind of personalized notes in relation to art work

ENTREPRENEURSHIP

ASSIGNMENT FOR SUMMER VACATION
CASE STUDY OF A ROLE MODEL ENTREPRENEUR

(It should be handwritten of approx. 25-30 pages which includes, using - pictures, diagram, newspaper articles or mind maps and relevant information)

Guidelines for Project Work in Entrepreneurship

➢ Select a business according to your interest.
➢ Identify your Role Model.
➢ Organize a meeting (online) using references. (Respect their privacy; it can be with a prior appointment or use of networking skills).

Home Work:

Prepare 'snapshots' about your Role Model and details to help you in the process of conversation. Example: his/her personal details, his/her business, family etc.

Questionnaire/ Question bank to be used by the student to seek details about the Role Model.

1. **Background**: Family; birth place; education; vision and ambitions in life

2. **Role Model**: Who and why? Did your option change with time? Give reasons.

3. **Experiences**: List the options available/thought of/tried and reasons for selecting the particular venture. Was it technical knowhow or hands on experience. What role did education play in the whole process? Is education more important than experience?

4. **Turning Point**: Road to success, cost of success. Having a mentor, his/her role in motivating when situations were against you.

5. **Achievements and Acknowledgements**: 1st achievement/mile stones.

6. **Changing Times**: Market and market trends; technology; environment factors (political, legal, socio cultural, economic). Business then and now. Local to global transformation; presence of competition; how to face competition. Plans for expansion: growth parameters; identifying the hurdles and finding solutions.

7. **Future**: Vision for the times to come; next generations

8. **Self-Actualization**: Contentment in life; giving back to the society (staff and labour welfare, environmental concerns).

9. **In Retrospect**: Three decisions you wish to change. Give reasons.

10. **Business Mantra**: What according to you is the reason for their success?

11. **Message to our Youth**: A few words of motivation for the young people.

COMPUTER SCIENCE

Topic: Python Programming

Q1. 'Python is an interpreted high level language'. What does it mean to you?

Q2. What is the difference between interactive mode and script mode in Python?

Q3. What does a cross platform language mean?

Q4. What is the difference between a keyword and an identifier?

Q5. How many types of strings are supported in Python?

Q6. What factors guide the choice of identifiers in program?

Q7. What is the error in following Python program with one statement? print ("My name is ", name) Suggest a solution.

Q8. Write a program to obtain temperature in Celsius and convert it into Fahrenheit using formula

F = C x 9 / 5 + 32.

Q9.What will be the output of the following code? x, y = 2, 6 x, y = y, x + 2 print(x,y)

Q10. Predict the output : F = 2 S = 3 T = F * S print(F,S,T) F = F + S + T T = S * F print(F,S,T)

Q11. Find the output of the given code: Name = "Komal"

Age = 18 print ("Your name & age are", Name + Age)

Q12. Write a program to accept radius from the user and print its area.

Q13. Write a program that asks for your height in centimeters and then convert your height to feet and inches.

Q14. Write a program to read details like name, class, age of a student and then print the details firstly in same line and then in separate lines. Make sure to have break lines in these two different types of prints.

Q15. What are data types? What are Python's built in core data types?