

JKG International School, Indirapuram
Holiday Assignment
Session: 2019-20
Class: XI

Dear Parent,

Korean Culture Centre of Embassy of the Republic of Korea is organizing Essay writing and Painting Competition named "All India 7th Korea-India Friendship Competition 2019." The Essay writing competition will be there for the students of classes VI to XII.

Category	Topic	Word Limit
Grade VI to IX (Junior)	My Favorite South Korean Person	150-300 words
Grade X to XII (Senior)	South Korea-My favorite Destination	300-500 words

It should be done on A4 size ruled sheet.

The painting Competition will be there for the students of classes I to XII. The students can select any one topic of their own choice.

- 1- South Korea – as I see it (technology, Beauty, Tourism, Sports, Culture etc.)
- 2- Legendary Indian Princess Huh Hwang – ok to Korea. (Ayodhya, Queen Heo Memorial)
- 3- Korea and India's Independence movement (March Ist Movement, 15th August – Liberation day)

Entry Specifications

- 1- The painting must be original & work done on paper.
- 2- Paper can be of any kind.
- 3- Any kind of coloring can be used including crayons, water colors, acrylic colors, oil colors, charcoal, paints, oil paints etc.

Junior Group (Grade I to VII)	A4 Size
Senior Group (Grade VIII to XII)	A3 Size

NO ENTRY FEE

Note:

- **There is No Participation Fee of any Kind.**
- **Free Trip to South Korea for Top 3 winners of each competition.**
- **Cash Prizes of ₹ 1, 19,000 (Essay comp.)**
- **Cash Prizes of ₹ 75,000 (Painting comp.)**
- **Consider it as a part of Holidays Home Work.**

Subjects	Chapters/ Units
English	<ul style="list-style-type: none"> • Write a debate (either in favor of the motion or against) on the topic "Multimedia has given youth wings to fly". • Make a poster on A4 size sheet on conservation of water. • Write one notice on each of the following given categories:- <ol style="list-style-type: none"> i) Official Meeting ii) Any Event iii) Appeal Donation iv) Trip or Excursion • Write an auto biographical paragraph 'How you overcame the problems in your life with optimism and courage.'
Mathematics	Do the given Assignment.
Chemistry	Do NCERT Questions of Ch- 1, 2, 3
Biology	Complete NCERT Questions of Ch-1, 8, 10, 16
Economics	Prepare a Project file as per CBSE Guidelines for assessment in Term I
B. St.	Prepare a project file as per CBSE guidelines for Exams.
Accountancy	Prepare a Comprehensive project (discussed in class)
Political Science	Do the given Assignment Prepare a project as per CBSE Guidelines
Physics	Complete NCERT questions of Ch-2, 3, 4, 5
Informatics Practice	Do the Assignment
C. Art	Practical Work- Daily Life Scenes, Market Scene, Road Scene, Park Scene with water colors, EDU. Posters & color wheel.
History	Project Work
Physical Education	Complete Practical File Complete notebook Unit I to V.
Hindi	विभिन्न प्रकार के समाचारों की कटिंग समाचार पत्रों से लेकर चिपकाइए एवं समाचार लिखिए।

Note: Prepare for UT-I

Holiday Assignment Business Studies

Choose any one Project for CBSE examination. Make a project file that should be hand written, no cutting, no overwriting, not less than 20 pages including related pictures.

- 1.** Field visit.
 - a)** Visit to Handicraft unit.
 - b)** Visit to an industry.
 - c)** Visit to wholesale market.
 - d)** Visit to departmental store.
 - e)** Visit to a Mall.

- 2.** Case study on a product-
Take a product having seasonal growth and regular demand with which students can relate.

- 3.** Aids to trade-
Taking any AIDS TO TRADE, for example-
 - a) Transport and communication.
 - b) Banking and finance
 - c) Insurance
 - d) Warehousing
 - e) Advertising

- 4.** Import /Export procedure.

Holiday Assignment Accountancy

Make a Comprehensive Project issued by CBSE. This project will involve the initial stage of accounting to the preparation and analysis of financial statements. The data provided or the project statement will be as close to the real life situations as possible. The project should cover all important aspects like investment, financing, operating, adjustments to final accounts, etc. in a condensed form. This problem requires a meaningful conclusion for taking decisions for the purpose of investment and expansion.

1. The project should be hand written.
2. Not less than 25 pages.
3. It should be error free and avoid overwriting.
4. Paste the pictures wherever necessary.

Holiday Assignment Information Practices

Create a table **Lab** with the data given below and write SQL command for questions (a) to (f) and the output for (g).

Table: Lab

NO	ItemName	CostPerItem	Qty	DateOfPurchase	Warranty	Operational
1	Computer	60000	9	2006-05-21	2	7
2	Printer	15000	3	2007-05-21	4	2
3	Scanner	18000	1	2008-08-29	3	1
4	Camera	21000	2	2006-06-13	1	2
5	Hub	8000	1	2009-04-13	2	1
6	UPS	5000	5	2006-05-21	1	4
7	Plotters	25000	2	2010-01-11	2	2

- (a) To select the ItemName purchased after 2007-10-31.
- (b) To list the ItemName which are within the warranty period.
- (c) To list the ItemName in ascending order of the date of purchase where quantity is more than 3.
- (d) To display ItemName, CostPerItem and quantity whose warranty is less than 3.
- (e) To count the number of items whose cost is more than 10000.
- (f) To insert a new record in the Lab table with the following data:
8, 'VCR', 10000, 2, '2010-02-02', 1, 2
- (g) Give the output of the following SQL command:
 - (i) SELECT MIN (DISTINCT quantity) FROM LAB;
 - (ii) SELECT MIN (Warranty) FROM LAB WHERE quantity=2;
 - (iii) SELECT SUM (CostPerItem) FROM LAB WHERE quantity>2;
 - (iv) SELECT AVG (CostPerItem) FROM LAB WHERE DateOfPurchase < '2009-01-01';

Holiday Assignment History

Students are required to prepare a project by selecting any one from the following topics:-

1. Anthropological Research based on Darwin's Theory.
2. Critique of the industrialization in Britain.
3. Relations and impacts of past crusades.
4. Making and unmaking of Mesopotamia.
5. Paradigms of Greco- Roman civilization.
6. Aspirations of women in Renaissance period.
7. Paths to Modernization of Japan/China.
8. An Exploratory study into Humanism.
9. Piecing together the past of Genghis Khan.
10. An in depth study into "now and then" paradigm of Christianity.
11. An exploratory study into the realism and the transmission of humanistic ideas.
12. Scientific Revolution and the origins of Modern sciences.
13. An exploratory study into the making of America.
14. Myriad Realms of slavery in ancient, medieval and modern world.
15. Learning about global Sufism.
16. History of Aboriges-America/Australia.

Holiday Assignment Mathematics

- **Do these problems in your notebook neatly.**

Q1. Write the following sets in set builder form:

- a) $\{1/4, 2/5, 3/6, 4/7, 5/8\}$
- b) $\{ \dots, -5, 0, 5, 10, \dots \}$
- c) $\{-4, 4\}$

Q2. Draw the graph of the following functions:

- a) Modulus function in $[-4, 4]$
- b) Signum function in $[-6, 6]$
- c) Greatest integer function in $[-3, 4]$

Q3. Find the domain and range of the following functions:

- a) $f(x) = \frac{x^2 - x + 3}{x^2 - 1}$
- b) $f(x) = \sqrt{16 - x^2}$
- c) $f(x) = |x - 3|$
- d) $f(x) = \frac{3}{2 - x^2}$

Q4. Let $A = \{1, 2, 3, 4\}$, $B = \{-1, 0, 1\}$ and $C = \{3, 4\}$ then verify the following:

- a) $A \times (B \cup C) = (A \times B) \cup (A \times C)$
- b) $A \times (B - C) = (A \times B) - (A \times C)$

Q5. The minute hand of a watch is 1.5 cm. long. How far its tip move in 40 minutes?

Q6. Solve the equation $4\sin x \cdot \cos x + 2\sin x + 2\cos x + 1 = 0$.

Q7. In a survey of 100 students, the number of students studying the various languages was found to be English only 18, English but not Hindi 23, English and Sanskrit 8, English 26, Sanskrit 48, Sanskrit and Hindi 8, Number of no language 24. Find

- i) How many students were studying Hindi?
- ii) How many students were studying English and Hindi

Q8. In a survey of 25 students it was found that 15 had taken Math, 12 had taken physics and 11 had taken Chemistry, 5 had taken Math and chemistry, 9 had taken Math and Physics, 4 had taken Physics and Chemistry and 3 had taken all the three subjects.

Find the number of students that had taken:

- i) Only Chemistry
- ii) Only Math
- iii) Only Physics
- iv) Physics and Chemistry but not Math
- v) Math and Physics but not Chemistry
- vi) Only one of the subject
- vii) At least one of the subjects
- viii) None of the subjects

Q9. Let A and B be two finite sets such that $n(A) = m$ and $n(B) = n$. If the ratio of number of elements of power sets of A and B is 64 and $n(A) + n(B) = 32$. Find the value of m and N.

Q10. In a survey of 400 students of a school, 100 were listed as smokers and 150 as chewers of Gum, 75 were listed as both smokers and gum chewers. Find

out how many students are neither smokers nor gum chewers.

Q11. Find x and y if $(x^2-3x, y^2-5y) = (-2, -6)$.

Q12. Using principle of mathematical induction, prove that for all $n \in \mathbb{N}$

i) $1 + 2 + 2^2 + \dots + 2^n = 2^{n+1} - 1$

ii) $\frac{1}{2 \times 5} + \frac{1}{5 \times 8} + \frac{1}{8 \times 11} + \dots + \frac{1}{(3n-1)(3n+2)} = \frac{n}{6n+4}$

Q13. If $f(x) = 2^x$, prove that $\frac{f(x+3)}{f(x-1)} = f(4)$

Q14. Prove that

a) $\cos 10^\circ \cos 50^\circ \cos 60^\circ \cos 70^\circ = \frac{3}{16}$

b) $\sin 10^\circ \sin 30^\circ \sin 60^\circ \sin 70^\circ = \frac{1}{16}$

c) $\cos 20^\circ \cos 40^\circ \cos 60^\circ \cos 80^\circ = \frac{1}{16}$

Q15. If $\tan \theta + \cot \theta = 2$ then find the value of $\tan^{100} \theta + \cot^{100} \theta$.

Holiday Assignment Economics

Choose any one Project for Term I examination. Make a project file that should be hand written, no cutting, no overwriting, not less than 20 pages including related pictures Suggestive List of Projects:

Effect on PPC due to various government policies

Invisible Hand (Adam Smith)

Opportunity Cost as an Economic Tool (taking real life situations)

Effect of Price Change on a Substitute Good (taking prices from real life visiting local market)

Effect on equilibrium Prices in Local Market (taking real life situation or recent news)

Effect of Price Change on a Complementary Good (taking prices from real life visiting local market)

Solar Energy, a Cost Effective Comparison with Conventional Energy Sources

Bumper Production- Boon or Bane for the Farmer

Any other newspaper article and its evaluation on basis of economic principles

Any other topic

Holiday Assignment

Political Science

1. What is the need and importance of constitution?
2. What do you mean by Democratic with special reference to India?
3. Indian constitution contains some provisions for social Justice. Examine
4. Mention the sources of constitution along with the features taken from the sources.
5. Mention any six discriminations against women in our society.
6. Write a note on " National Human Rights Commission."
7. Rights and duties are interrelated to each other. "Discuss
8. Throw some light on the relationship between the Fundamental Rights and Directive Principles of State Policy.
9. What is Simple Majority Representation System?
10. Sometime criticism has taken place against Universal Adult Suffrage. Explain them.
11. How have the powers been distributed in the federation of India?
12. Mention different kind of equality.
13. What are the positive and negative aspects of equality?
14. What is the difference between equality and uniformity?
15. What is slave trade?
16. "Politics works as pursuit of common good of people? Justify the statement.
17. Is democracy possible without holding election?
18. Give some suggestions for election reforms in India.
19. Describe the various modes of ensuring free and fair election in India.
20. What was controversy regarding Right to property as fundamental rights? How was it resolved?
21. Describe the role of NHRC in protection of rights of citizen.
22. What is quo warrantor?
23. Explain habeas corpus.
24. Mention the right to primary education guaranteed by Article 21 A of the constitution.
25. Examine any three judicial pronouncement on disputes related to fundamental rights. How are they interrelated?
26. What were the perceptions of constituent assembly on political philosophy of the Indian Constitution?
27. How is principle of deliberation a procedural achievement of the Indian Constitution?
28. " Politics is study of power." Explain
29. How can we promote socio political equality? Explain in the context of examples from India.
30. "Equality means absence of privilege." Comment

Project:-

Make a project file on any one of the following topic:-
Project file should be hand written, not less than 20 pages.

- a. Collect cartoons from various newspapers and magazines what are the various issues that they are concerned with which political Concept do they highlights?
- b. Survey -Survey three families of worker working close to your house or school. Find out the details of their life. Where is their ancestral place? When and why did they come here? Where do they live? How many people share the accommodation? What kind of the facilities are available to them? Do their children attend school?
Read out the list of gazette holidays in India does it up holds the case of secularism in India give your opinion.
- c. Make a report on the recent elections conducted in our country and their result.

Holiday Assignment Physical Education

Practical File-

- Q1- Write down complete information about any one game as your choice.
- | | | |
|------------|--------------|-----------------|
| a. Archery | b. Badminton | c. Gymnastics |
| d. Judo | e. Swimming | f. Table Tennis |
| g. Tennis | h. Taekwondo | |

CONTENTS-

- a. History
 - b. Ground measurement
 - c. Rule and regulation
 - d. Fundamental skills
 - e. Terminology
 - f. Important tournaments
 - g. Famous personality
 - h. Awarded players
- Q2- Procedure and benefit of any Five Asanas. (mention in your book)
- Q3- Labelled diagram of 400M Track and field with computation.
- Q4- List of current National Awardees (Arjuna, Dronacharya and Rajiv Gandhi Khel Ratna Award)