



H.C.J. ACADEMY
(Affiliated to ICSE/ISC (10+2) Board, New Delhi)
Janaura, Deokali Bypass Road, Ayodhya 224001
Summer Vacation Homework 2024-25

Class- 11th

Date:- 18-May-2024

English –Literature

Questions

1. Who was Duncan and how was he killed ?
2. What do you know about three witches ?
3. What do you know about Banquo ?
4. What do you know about fourth witch ?
5. What do you know about Macdonwald?

Project work

1. Make a project on ' The Biography of William Shakespeare.!

Or

Write about major figure of speeches with examples

English –Grammar

Questions

1. (i) Science cannot fully Solve the problems of mankind Express your views on the statement in 400 – 450 words. { From Roll no. 10 to 17 }
2. (ii) Adolescence is a difficult phase that we all go through . Describe any difficult ties that you experienced in your teenage years and who helped you on recome these situations.
{ From Roll no. 18 on words }
3. Fill in each blank with a suitable word. [For all]
[Do not write the Sentence]
 - (i)The antique furniture was sold _____ an auction.
 - (ii) The tickets were _____ within an hour.
 - (iii)I realised I had walked _____ a trap but it was too late.
 - (iv) Can he take _____ the additional responsibility ?
 - (v) Neha turned _____ a new leaf after the incident.

Hindi

प्र0:1 चैतन्य दास जी के कितने पुत्र थे प्रत्येक का नाम लिखिए।

प्र0:2 तपेष्वरी जी किसे और क्यों इटली भेजना चाहती थी ?

प्र0:3 “ युवक ने गद्गद् स्वर में कहा भैया रुपया पैसा हाथ का मैल है” – आषय स्पष्ट कीजिए।

प्र0:4 ‘देषवासियों के गले पर छुरी फेरना “ – इन शब्दों का प्रयोग किस संदर्भ में किया गया है ?

प्र0:5 कबीरदास जी की साखियों में क्या संदेश दिया गया है ?

(सभी प्रश्नोत्तर हिन्दी की काँपी में लिखें)

प्र0:6 ‘दैनिक जीवन में बिजली की उपयोगिता ’ पर आलेख लिखिए – अथवा ‘कोई मौलिक कहानी ’

अथवा किसी भी विषय पर स्वरचित कविता लिखिए।

(चार्ट पेपर अथवा कार्ड बोर्ड पर लिखें।)

Math

Section (A)

1) Two sets are given as $A = \{1, 2, 5, 8, 10, 13\}$ and $B = \{2, 5, 7, 10, 14, 15\}$.

Find $A - B$, $B - A$ and $A \Delta B$.

2) Write all the subsets of the set $\{3, 6, 9, 12\}$. Which of these are proper subsets and which are improper subsets?

3) If $A = \{-1, -2, -3, -4, -5\}$, then find the number of subsets of set A. Also, find the number of proper subsets of set A.

4) Write the power set for the set $A = \{1, 3, 5\}$.

5) If A and B are two disjoint sets such that $n(A) = 17$ and $n(A \cup B) = 25$, then what is the cardinal number of the set B?

Section (B)

1) Using Venn diagram, verify the distributive law for three given non-empty sets A, B and C.

OR

2) Establish the relationship between the measure of an angle in degrees and in radians with suitable examples by drawing a rough sketch.

Physics

Q.1 The mass of a body as measured by two students is given as 1.2 kg and 1.23 kg which of the two is more accurate and why?

Q.2 Do AU and A° represents the same magnitudes of distance?

Q.3 What is the atomic mass unit (a.m.u)?

Q.4 State and prove law of parallelogram of Vector Addition.

Q.5 Derive the equations of motion analytical (calculus) method.

"PROJECT-WORK"

Draw a sketch diagram for Bernoulli theorem on a chart paper.

OR

Draw the graph between Pressure(P), Volume(V) and temperature(T) in case of isothermal, isochoric, and isobaric process on a chart paper .

Chemistry

Questions

1. Make a periodic Table related to chemistry on paper chart And Decorate.
2. Explain following term
 - (i) Weight
 - (ii) Volume Percent
 - (ii) Molality
3. Draw a Chart of acidic and Basic Radical.
4. What is empirical formula write with the help of Compounds Chart.
5. Draw a Atomic Model with the help of Rubber ball and Thermocoal.

Biology

Q.1 What is the advantage of hierarchy of categories?

Q.2 What are the aims of zoological parks

Q.3 Describe the type of sexual Reproduction found in fungi

Q.4 Bacteria are friends of man . Discuss.

Q.5 Discus Linnaeus contribution to systematics

Project

Project related to experiment on any aspect of plant life/animal life

Format

- (i) Content
- (ii) Introduction
- (iii) Presentation (graphs, tables, charts, newspaper cuttings, diagrams, photographs, statistical analysis if relevant)
- (iv) Conclusion/ Summary
- (v) Bibliography

History & Civics

- A. 1. Write about a social and religious movement and its impact on India
2. What were the British policies that was applied on Indians and what was its effect.
3. Write some main points about the development of modern industries during the British rule in India 4. Watch one documentary movie on historical events and write its commentary in your notebook.
5. What was the disruption of traditional economy and the British revenue policy and what was its impact on the common masses.
- B. 1. Gather content such as timelines, maps, and pictures and make a notebook on it.

OR

Comparative Research Studies: Compare historical events with present times to understand the evolution of societies and the impact of past decisions

Political Science

Q.1(a) Write Some popular definition of Political Theory with the picture.

1(b) What are scope/ Subject matter of political Theory ?

1(c) How political science defined in its traditional form ?

1 (d) Some popular definition of state and Government.

1 (e) Define the meaning and definition of “ Nation” ?

Project . Work.

Q.1 What is the cabinet in India ?

Draw Diagram with photography.

Computer Science

Qus-1 how to convert binary number system to octal number system?

Qus-2 convert (6012) base 8 into decimal number.

Qus-3 write the full form of EBCDIC.

Qus-4 convert 105.21 base 10 to binary equivalent.

Qus-5 Convert B2F base 16 to Octal and Convert 3674 base 8 to binary.

PROJECT WORK

Program to input number of week's day (1-7) and translate to its equivalent name of the day of the week.

Physical Education

- 1- Give a brief review of misconception about physical education.
- 2- Explain the characteristics of play.
- 3- Explain the importance of sports?
- 4- Explain the relevance of physical education with sports medicine, sports engineering, sports physiotherapy and sports nutrition.
- 5- Why play has an important place in our life?

Project Work:

1- draw a diagram showing the dimension of the playing field from one of these games on cardboard or chart with all measurements .

- a) Basketball
- b) Volleyball
- c) Cricket
- d) Badminton

Economics

A. All the questions are compulsory.

1. What is the economy ? Explain about the Indian economy.
2. What is economics? Which economist gave the growth orientation definition.
3. Write about Adam Smith and the definition given by him.
4. Which economic system is working in India? write about that economic system.
5. Write the features about socialist economics and its merit and demerit.

B) Project work:

Write the features of growth orientation definition. And explain the growth orientation definition of economics on the chart paper.

Commerce

1. Define Private enterprise and give any 5 example
2. Define Public Enterprise and give any 5 example
3. Define Industry
4. Define commerce
5. Define PPP and its example

Project

Which form of business organisation is better or why?

Accounts

1. Explain the term Liability
2. Prepaid expenses is an Assets or Expense?
3. Why owners personal expenses not treated as an expense?
4. Define Accounting cycle.
5. Define Journal

Project Work

Find out the Assets and Non Current assets of our School and write down the type of Assets.