



Bal Bharati
PUBLIC SCHOOL
Neelbad, Bhopal
An Institution of CBSE Education Society (Regd.)

CLASS XIIA [2022-23]
HOLIDAY HOMEWORK

SUBJECT	ASSIGNMENT
ENGLISH	<p>I. 'Every human being is an escapist at some or the other level craving for a refuge in some or the other thing. Justify this statement in the light of the chapter "The Third Level by Jack Finney and your own observation of life prevailing around. (Word limit 150-200) 10m</p> <p>Where to do- A4 Size sheets.</p> <p>Parameters for Assessment- Content, language and accuracy. तम</p> <p>II. "Understanding Kamla Das a little more. You all have studied the poem My mother at 66' by Kamla Das. My Grandmother's House" is another poem written by the same poet- Kamla Das. Make a comparative study of both these poems by the same poet. 10m</p> <p>Include the following sub-headings in your project:</p> <p>A detailed study of the poet . Her life</p> <ul style="list-style-type: none">. Her works. Her style of poetry. Comparison between the two poems. It should include-.The similarities. The differences The theme in both the poems.
HINDI	<p>प्रश्न-1. दिए गए तीन विषयों में से किसी एक विषय पर संवादों की सहायता से संक्षिप्त स्क्रिप्ट लिखिए-</p> <ul style="list-style-type: none">क) नदियों में प्रदूषणख) नल से लगातार बहता हुआ पानीग) स्कूली बच्चों पर बस्ते का बोझ <p>प्रश्न-2. आपके आसपास किसी ऐसी चीज पर एक लेख लिखें जो आपको किसी वजह से वर्णनीय प्रतीत होती हो। वह कोई चाय की दुकान हो सकती है, कोई सैलून हो सकता है, कोई खोमचे वाला हो सकता है या किसी खास दिन पर लगने वाला हाट- बाजार हो सकता है। विषय का सही अंदाजा देने वाला शीर्षक अवश्य दें।</p>

	<p>प्रश्न-3. आप अखबार के मुख्य पृष्ठ पर कौन-से छह समाचार शीर्षक /सुर्खियां (हेडलाइन) देखना चाहेंगे। उन्हें लिखिए तथा समाचार पत्र का नाम देते हुए मुख्यपृष्ठ (फ्रंट पेज) तैयार कीजिए।</p> <p>प्रश्न- 4. निम्नलिखित विषयों पर दो से तीन सौ शब्दों में लेख लिखिए।</p> <ol style="list-style-type: none"> 1. एक कामकाजी औरत की शाम 2. सावन की पहली झड़ी 3. मेरा प्रिय टाइमपास
<p>MATHS</p>	<p>[1] If R is the largest equivalence relation on a set A and S in any relation on A, then.</p> <p>(i)RCS (ii)SCR (iii)R=S (iv)R<S</p> <p>[2] Let R be a relation on the set N of a national numbers defined by nRm if n divides m then R is.</p> <p>(i)Reflexive and symmetric (ii)Transitive and symmetric</p> <p>(iii)Equivalence (iv)Reflexive, transitive but not symmetric</p> <p>[3] The maximum number of equivalence relations on the set $A=\{1,2,3\}$ is.</p> <p>(i) 1 (ii)2 (iii)3 (iv)5</p> <p>[4] Let $f:R \rightarrow R$ be defined as Choose the correct answer.</p> <p>(i) f is one-one onto (ii)f is many one onto</p> <p>(iii)f is one one but not onto (iv)f is neither one-one nor onto</p> <p>5. How many equivalence relation on the set $\{1,2,3\}$ containing $\{1,2\}$ and $\{2,1\}$ are there in all? Justify your answer.</p> <p>6. Let L be the set of all lines in XY plane and R be the relation in L defined as $R = \{(L1, L2) : L1 \text{ is parallel to } L2\}$. Show that R is an equivalence relation. Find the set of all lines related to the line $y = 2x + 4$.</p> <p>ACTIVITY-</p> <p>1. Let A be the set of all students of a boys school. Show that the relation R in A given by $R = \{(a, b) : a \text{ is sister of } b\}$ is the empty</p>

	<p>relation and $R' = \{(a, b) : \text{the difference between heights of } a \text{ and } b \text{ is less than 3 meters}\}$ is the universal relation</p> <p>2. Let L be the set of all lines in a plane and R be the relation in L defined as $R = \{(L_1, L_2) : L_1 \text{ is perpendicular to } L_2\}$. Show that R is symmetric but neither reflexive nor transitive.</p>
<p>BIOLOGY</p>	<p>Prepare a project on any of the given topic: The DNA: https://cbsebiology4u.com/wp-content/uploads/2022/03/The-DNA.pdf Sickle Cell Anemia: https://cbsebiology4u.com/wp-content/uploads/2022/03/SICKLE-CELL-ANAE MIA.pdf Pollination: https://cbsebiology4u.com/wp-content/uploads/2022/03/Pollination.pdf Drug Addiction and Adolescence: https://cbsebiology4u.com/wp-content/uploads/2022/03/Drug_addiction-and-A dolescence.pdf Diabetes and Exercise: https://cbsebiology4u.com/wp-content/uploads/2022/03/DIABETES-AND-EXERCISE.pdf Amniocentesis: https://cbsebiology4u.com/wp-content/uploads/2022/03/Amniocentesis-cbsebiology4u.docx NOTE: Students taking the help of reference link you should do your research to collect information to make the project.</p>
<p>PHYSICS</p>	<p>Note: Dear students make a thin practical file for activities Write the activities of section A and Section B of Physics practical.</p> <p>SECTION- A</p> <ol style="list-style-type: none"> 1. To assemble the components of a given electrical circuit. 2. To assemble a household circuit comprising three bulbs, three (on/off) switches, a fuse and a power source. 3. To draw the diagram of a given open circuit comprising at least a battery, resistor/rheostat, key, ammeter and voltmeter. Mark the components that are not connected in proper order and correct the circuit and also the circuit diagram. <p>SECTION-B</p> <ol style="list-style-type: none"> 1. To observe the diffraction of light due to a thin slit. 2. To observe refraction and lateral deviation of a beam of light incident obliquely on a glass slab. 3. To obtain a lens combination with the specified focal length by using two lenses from the given set of lenses.

CHEMISTRY

1) Prepare a Project, assigned on any one topic-

- Study of the presence of oxalate ions in guava fruit at different stages of ripening.
- Study of quantity of casein present in different samples of milk.
- Preparation of soybean milk and its comparison with natural milk with respect to curd formation, the effect of temperature, etc.
- Study of the effect of Potassium Bisulphate as a food preservative under various conditions (temperature, concentration, time, etc.).
- Study of digestion of starch by salivary amylase and effect of pH and temperature on it.
- Comparative study of the rate of fermentation of the following materials: wheat flour, gram flour, potato juice, carrot juice, etc.
- Extraction of essential oils present in Saunf (aniseed), Ajwain (carum), and Illaichi (cardamom).
- Study of common food adulterants in fat, oil, butter, sugar, turmeric powder, chili powder and pepper.

2) Write down answers of the following reasoning questions-

1. Explain why on addition of 1 mol of NaCl to 1 liter of water, the boiling point of water increases, while addition of 1 mol of methyl alcohol to one liter of water decreases its boiling point.
2. Why are aquatic species more comfortable in cold water in comparison to warm water?
3. How does sprinkling of salt help in clearing the snow covered roads in hilly areas? Explain the phenomenon involved in the process.
4. Why soda water bottle kept at room temperature fizzes on opening?
5. Out of 1 M glucose and 2 M glucose, which one has a higher boiling point and why?

**PHYSICAL
EDUCATION**

case based study question

Q.1) ABC School is one of the reputed schools in their location for the number of sports facilities it provides to its stake holders. Keeping that in consideration CBSE Sports cell has given them the responsibility of conducting CBSE Football cluster. 35 teams have sent their entry for participation in the tournament.

Q-A) Due to large number of teams willing to participate, the school is conducting the competition by fixture.

Q-B) The number of Matches in the first round will be

Q-C) Total number of matches will be.....

Q-D) Total number of byes in lower half will be.....

Q-E) Total number of rounds will be

Q.2) Kumar of XI A is a great athlete. After the lock down he went to see his Physical Education Teacher. Mr. Murugan, the PE teacher is shocked to see Kumar, because Kumar has gained a lot of weight. He also observed many other students have also gained weight. The PE teacher decided to conduct an Inter House Tournament" in the campus. Kumar requested PE Teacher to conduct the tournament on League basis.

Q-A) Kumar feels that league method is best one for Inter house tournament, Why?

Q-B) If 7 teams participate in a League Tournament . how many matches will be conducted in the league Tournament?

Q-C) What is the formula to determine number of matches in double league fixture .

Q-D) What is the formula to determine number of matches in single league fixture .

Q.3) With the aim of promoting physical fitness and healthy lifestyle amongst students the

Physical education Teacher at XYZ School plans to organize intramural competitions at school. For conducting the event he has given this assignment to the students of class Xii who have taken up Physical Education subject so that they can get first hand experience of organizing events. On the basis of given information answer the following questions:

Q-A) The work of committees is divided into

Q-B) Which is the objective of intramural Sports Tournament?

Q-C) Which is the objective of planning?

Q-D) Complete responsibility for success of competition is taken by.....

Multiple Choice Question Answers

	<p>Q.4) The primary goal of Intramural competition is: (a) To provide opportunity for mass participation of students (b) To participate in inter-school competition (c) To provide intra-school competition (d) All of the above</p> <p>Q.5) Which of these is not a type of tournament? (a) Knockout (b) League (c) Cyclic (d) Combination</p> <p>Q.6) How many matches will be played in First round, if 12 teams are participating in a knockout tournament? (a) 3 (b) 2 (c) 4 (d) 6</p> <p>Q.7) Out of the following methods, by which one is the winner of a single league tournament decided? (a) British method (b) Consolation method (c) American method (d) Both a and c</p> <p>Q.8) Explain Various steps of organizing an Inter School Competition in the form of a flowchart or PPT.</p>
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CLASS TEACHER -MR,ANIL KUMAR TIWARI