



DELHI PUBLIC SCHOOL ASANSOL

Under the Aegis of the DPS Society, New Delhi 10+2, Affiliation No. – 2430211

Address- Ethora, Delhi- Kolkata National Highway-2, Asansol (W.B.)

E-mail- info@dpsasansol.com | Website-www.dpsasansol.com

SESSION : 2024-25

CLASS: XI A



SUBJECTS	HOMEWORK
ENGLISH	<p>1. Travel Journal Project: Journey Inspired by "The Summer of the Beautiful White Horse" Imagine you're a character from the story. Plan a journey reflecting story events. This journey could be a physical journey to a new location. Write a travel journal documenting experiences, encounters, and reflections. Capture character's voice and thoughts.</p> <p>2. Write an article on Bridging the Gap: Understanding Differences in 'The Portrait of a Lady.'</p> <p>3. You are a member of the social awareness team of your school and you have to participate in an awareness drive regarding the importance of water. Prepare a poster highlighting the importance and ways of rainwater harvesting that can be implemented by the residents of the area.</p> <p>4. You are the director of the healthcare system in the state of Mizoram. It is necessary to raise awareness among the general population about the necessity of oral polio immunisation for children under the age of two. Create an eye-catching science day poster that can be put in all of the state's most visible locations.</p>

5. Select a photograph from your own collection that holds personal significance or represents a cherished memory. Write a reflective essay or poem inspired by your chosen photograph.

6. Edit the passage:

Child labour is the term you might have heard about in news or movies. It refers to a crime where children are forced to work from a very early age. It is like expecting kids to perform responsibilities like working and fending for themselves. There are certain policies which have put restrictions and limitations about children working.

7. Sentence Rearrangement

(a) also/cultivate/they/asked them to/had to/those/which/crops/the English

(b) two flask-shaped bags/inside/for/it/storing/belly/its/has/water

(c) self-respect/come out of/something/has/our/self/that/and/is/that

COMPREHENSION

Read the passage given below carefully and answer the questions that follow:

1. The youth is a dynamo, an ocean, an inexhaustible reservoir of energy. But this energy cannot be kept in prison. Its basic nature is to flow, to express itself. The youth energy on the basis of the nature of its expression can be divided into four categories.

2. The vast majority of the youth today are with the establishment, whose formula of life is learn, earn, burn, and enjoy. It means learn to operate the modern devices and employ them to earn the maximum amount of wealth to the point of burning the natural resources of the earth, as well as yourself out, and then enjoy your own funeral. This category of youth is intelligent, skilful and hardworking but it lacks insight and foresight. They are self-indulgent and any sense of moral code of conduct is alien to their nature. Neither are they able to see in depth, to find out whether there is a deeper meaning and purpose to their human life, nor have they the capacity to look beyond the tips of their nose to find out the consequences of their way and approach, where it is leading them to. They are the ends unto themselves and enjoyment is the motto of their life.

3. The second category of youth in nature and approach is the same but as it is less privileged and less qualified and skilled; it has lesser opportunities for earning and enjoying. Such youth may be incited to be against the establishment. This opposition takes various forms. When it is well organised and systemic it may take the form of political opposition and even go to the extent of expressing itself in unjust ways. When the opposition is not so intense and organised, it remains content with giving verbal expression to its resentment periodically. The youth of the above two categories need to be shown the correct path to positively channelize their energy.

4. The third section of youth is a sober and thoughtful class of people, which objectively observes and studies the phenomenon of development of the world. These youth find that man in his insatiable thirst for consumption has become blind and lost the sense of distinction between milk and blood. Today man in his mad rush for exploitation is sucking the blood of Mother Earth; leading to their destruction and is thereby digging his own grave. This responsible category of young people is looking for an alternative mode of development based on co-operation between man and man. This development based on mutual love, friendship and harmony is not only sustainable but leading to

	<p>endless prosperity mutually. To bring about his natural revolution from death-movement to life-movement is the aim of this group.</p> <p>5. The fourth and most vital group of youth which is going to usher humanity into the third millennium and act as the pioneer for the future development of planetary life is engaged in evolving a new way of life and releasing a new principle of global consciousness through a fundamental research in the science of life. The science of life is a new branch of knowledge which takes the whole man into account without dividing him into subjective and objective halves of spirituality and physicality and does not treat him either as a refined (thinking) animal or an ethereal entity, having its base in some other non-physical world. It, rather, recognises man as a basic unit of conscious life which has got immense, practically inexhaustible, possibilities and potentialities for evolution, development and growth. As per the Vedic formula, man is the micro-cosmos and his fullest flowering and enfoldment lies in his identification with the cosmos.</p> <p>1.1 On the basis of your understanding of the passage, complete the statements given below by choosing the most appropriate option:</p> <p>(a) Which trait is lacking in the youth that is dexterous with the modern devices?</p> <p>i. intelligence ii. perseverance iii. foresight iv. skilfulness</p> <p>(b) Which category of youth supports the view that man's growth lies in his identification with cosmos</p> <p>i. the youth that will take us to the third millennium ii. that which supports sustainable development iii. youth that opposes the establishment iv. youth that is self-indulgent and unscrupulous</p> <p>1.2 Answer the following briefly:</p> <p>a. What is the most prominent quality associated with youth? b. Explain the formula of majority of youth. c. Give the merits and demerits of the pro- establishment youth. d. How does the dissatisfied youth express itself? e. Explain the attitude of modern man towards the Mother Earth. f. How is humanity likely to be ushered in a new millennium?</p> <p>1.3 Find words from the passage which mean the same as the following:</p> <p>i. Provided with facilities (para3) ii. the universe seen as a well-ordered whole (para5)</p>
<p>PHYSICS</p>	<p>1. Complete the physics practicals on practical file, properly cover it and leave the spaces blank for observation table and calculation.</p> <p>Instruction:</p> <ul style="list-style-type: none"> • Use a proper practical file with hard cover. • In the cover page you have to mention: School name with logo, name of the file (e.g. Physics Practical File), your name, roll no, class and section. • Attach one certificate page. • Attach one acknowledgement page <p>Write table of contents</p> <p>2. Complete 6 physics activities on a file similar to practical file and properly cover it.</p> <p>i. To make a paper scale of given least count, e.g., 0.2cm, 0.5 cm.</p>

	<ul style="list-style-type: none"> ii. To plot a graph for a given set of data, with proper choice of scales and error bars. iii. To study the variation in range of a projectile with angle of projection. iv. To study the effect of detergent on surface tension of water by observing capillary rise. v. To observe the decrease in pressure with increase in velocity of a fluid. vi. To study the factors affecting the rate of loss of heat of a liquid. <p>Instruction:</p> <ul style="list-style-type: none"> • Use a file similar to practical file. • In the cover page you have to mention: School name with logo, name of the file (e.g. Physics Activity File), your name, roll no, class and section. • Attach one certificate page. • Attach one acknowledgement page • Write table of contents <p>3. INVESTIGATORY PROJECT:</p> <ul style="list-style-type: none"> • Mechanical properties of fluid (Roll no 1 to 11 individually) • Thermodynamics (Roll no 12 to 21 individually) <p>Instruction:</p> <ul style="list-style-type: none"> • Write the project on A4 size white page and use spiral binding • In the cover page you have to mention: School name with logo, name of the file (e.g. Investigatory project), name of the project your name, roll no, class and section. • Attach one certificate page. • Attach one acknowledgement page • Write table of contents <p>4. Complete NCERT question & answers of the chapter “Units and measurement”</p>
CHEMISTRY	<ol style="list-style-type: none"> 1. Solve the NCERT exercise question from the chapter 1 2. in A4 sheet Question no 1.10 to 1.20 3. 2.Solve the NCERT exercise question in A4 sheet from the chapter 7 4. (Redox Reactions) Question no 7.1 to 7.10 5. Write the salt analysis practical in your practical file
BIOLOGY	<ol style="list-style-type: none"> 1. Complete the biology practicals on practical file, properly cover it and leave the spaces for observation of the experiment. 2. Complete the NCERT question and answers of Ch 2 Biological Classification. 3. Complete the following assignment questions in your Biology note book: <p>Question and Answer</p> <ol style="list-style-type: none"> 1. A crystal increases in size and so does a baby. What is the difference? 2. Differentiate between catabolism and anabolism with examples. 3. What kind of nutrition do (i) Monera, (ii) Protista, (iii) Fungi show? 4. What is the basis of classification of protozoa?

5. What are Mychorrhiza?
6. What is red tide?
7. What kind of food is stored in Fungi?
8. Give the technical name for the fruiting body of a mushroom.
9. In which cells of Nostoc, does nitrogen fixation take place?
10. Why are blue green algae included under Monera?
11. which organisms are the chief producers in ocean?

MCQs

1. In majority of higher animals and plants, _____ and _____ are mutually exclusive events.

- A. growth; nutrition
- B. nutrition; consciousness
- C. growth; reproduction
- D. reproduction; consciousness

2. In multicellular organisms _____ refers to the production of progeny possessing features more or less similar to those of parents.

- A. growth
- B. reproduction
- C. metabolism
- D. consciousness

3. Families are characterized on which of the following features of plant species?

- A. External morphology
- B. Anatomy of parts
- C. Vegetative and reproductive parts
- D. Seasonal similarities and variations

4. The sum total of all the chemical reactions occurring in our body is known as

- A. metabolism
- B. growth
- C. regeneration
- D. reproduction

5. The order generally ends with

- A. ales
- B. aceae
- C. eae
- D. none of these

6. Some bacteria thrive in extreme environment conditions such as absence of oxygen, high salt concentration, high temperature and acidic PH Name them...

- (a) Cyanobacteria
- (b) Eubacteria
- (c) Archaeobacteria
- (d) Streptococcus

7. Fungi which grow in dung are termed as

- (a) Coprophilous
- (b) Tericolous
- (c) Sacxicolous
- (d) Saxiphilous

	<p>8. Viroids were discovered by ...</p> <p>(a) Diener</p> <p>(b) Woese</p> <p>(c) Pasteur</p> <p>(d) Iyengar</p> <p>9. In Fungi reserved food materials are</p> <p>(a) Glycogen and lipid droplets</p> <p>(b) Starch</p> <p>(c) Protein</p> <p>(d) Lipid</p> <p>10. The plant cell without chloroplast is</p> <p>(a) Algae</p> <p>(b) Fungi</p> <p>(c) Bryophytes</p> <p>(d) Pteridophytes</p>
MATHEMATICS	<ol style="list-style-type: none"> 1. To find the number of subsets a given set and verify that if a set has n number of elements, then the total number of subsets is 2^n. 2. To represent set theoretic operations using venn diagrams. 3. To distinguish between a Relation and Function. 4. NCERT sums homework from Ch-2 Relation and Function.
COMPUTER SCIENCE	<p>Class XI: Learn Chapter 1 and make a PPT on conversion of binary number system to decimal, octal and hexadecimal number system and mail it to: anupmishra.dpsa@gmail.com.</p>

