***Daly College, Indore***

***Class XI***

**SUMMER ASSIGNMENTS 2017-18**

**COMPUTER SCIENCE**

Students are required to complete their CBSE project work. They are supposed to collect all Data related to their topics and design it accordingly as discussed in the class. You can Email it to your own Mail-id.

**Painting:**

1.       50 Sketches in an A4 size sketchbook using any medium (human and animal figures).

2.       Prepare notes on Bhimbetka caves and the rock paintings.

**History**

**CBSE has decided to introduce project work in history for class Xl as a part of regular studies in classroom, as project work gives students an opportunity to develop higher cognitive skills. Students have to choose any one topic from the given twenty topics. Project work should be strictly handwritten.**

**PROJECT WORK(CHOOSE ANY ONE TOPIC FROM THE FOLLOWING TOPICS)**

1. Evolution of man
2. A comparative study of early writing systems
3. Rise of Islam
4. Roman architecture
5. Feudalism
6. Natives of America and Australia.

**GEOGRAPHY**

**Instructions:-**

1. Work should be complete in A4 size paper.
2. Submit your work in a proper folder.

**Q.1** Prepare a Case study on Various Erosional and Depositional land forms,

formed **by river and Wind.** (Expect Waterfall)

**English**

**On the basis of your reading ‘The Canterville Ghost’, frame answers to the following questions. Create a separate record file.**

1. Describe the Supernatural elements used in The Canterville Ghost. Substantiate your answer textually.
2. The Canterville Ghost is full of wit and humour, together with the ridicule and satire by Oscar Wilde. Explain.
3. Give a character sketch of the following :
   1. Virginia
   2. Mr. Hiram B. Otis
   3. Mrs. Otis
   4. Duke of Cheshire
   5. Lord Canterville
   6. Twins of Otis family.

**CHEMISTRY**

Q. 1 Prepare a project report containing at least 10 pages related with environmental chemistry. The suggested topics are:

1. Green Chemistry

2. Acid Rain

3. Water Pollution

4. Air Pollution

5. Green House effect

6. Waste Management

7. Stratospheric pollution

8. International standard of drinking water

9. Soil Pollution.

10. Strategies to control Environmental pollution

11. Waste water recycling

Note : **You can prepare charts. Collect information from net. Read Environmental**

**Chemistry by . B.K. Sharma. You can prepare power point presentation also**.

Q. 2. Draw neat, tidy and labeled diagrams related with the following topics in a drawing

note book containing near about 50 pages.

a) Atomic absorption & emission spectrum [ page 41 NCERT book 1 ]

b) Table 2.3 and fig. 2.11 [ page 42 NCERT book 1 ]

c) Shapes of s-orbital [ page 54 NCERT book 1 ]

d) Shapes of p-orbital [ page 55 NCERT book 1 ]

e) Shapes of d- orbital [ page 56 NCERT book 1 ]

f) Aufbau principle [ page 58 fig. 2.17 NCERT book 1 ]

g) Skeleton diagram of modern periodic table containing only first 30 elements

[ Fig. 3.2 page 76]

h) Periodic trends of elements in periodic table [ fig.3.7 page 88 ]

i) Shapes of molecules [ fig 4.6 page 109 NCERT book 1]

j) Table 4.6 page 110 k) Table 4.7 Page 111 l) Table 4.8 page 112

m) fog 4.12, 4.13 4.14 page 118 n) formation of ethyne molecule [ fig 4.15 page 119 ]

o) Set up for Daniel cell [ Fig. 8.3 page 270 NCERT book 2]

p) Structure of diamond, graphite and fullerene [ page 318 NCERT book 2]

q) Table 12.1,12.2,12.3 [ page 333 NCERT book 2]

r) Table 12.4 [ page 337 NCERT book 2]

Q3. Visit at least one place to see water filtration plant in your town.

**ECONOMICS**

                Draft a questionnaire .Collect the data through a questionnaire on any one of the selected topics given below. Collect the information from 20 informants.

1.       A report on demographic structure of your neighborhood.

2.       Changing consumer awareness amongst households.

3.       Impact of globalization on Indian households.

**MATHEMATICS**

1. In each of the following ,determine whether the statement is true or false .Justify your

answer by giving examples .

a) If x ϵ A and A ϵ B then x ϵ B b) If A ϲ B and B ϵ C then A ϵ C

2. Describe the following sets in the set builder form:

a) A= { 1 , 1/2 , 1/3 ,1/4 , 1/5 } b) X = { 1 , 1/3 , 1/5 , 1/7 , 1/9 }

3. For any two sets prove the following :

a) A – B = A ∩ B’ b) ( A – B) ∩ A = A ∩ B’

c) ( A – B ) U ( B – A ) = (A – B) U (B – A)

4. Let A and B any two sets .Using properties prove that :

a) A ∩ B’ = φ => A ϲ B b) (A – B) U A = A

5. Let A ,B and C be any three sets then using properties prove that :

a) A ∩ ( B – C) = ( A ∩ B) – (A ∩ C) b) A – (B U C) = (A – B ) ∩ (A – C)

6.In a group of 800 people , 550 can speak Hindi and 450 can speak English . How many can

speak both English and Hindi .

7.If A, B and C are three sets and U is the universal set such n(U)=700 , n(A) = 200 ,n(B)=300

And n(A∩ B) = 100 . Find n( A’∩ B’).

**Psychology**

1. Interview ONE person who has lived for an extended period of time in a different culture. Ask the person to give some examples of cultural differences and similarities in attitudes, norms and values and write about it.
2. Read an article from the newspaper, journal or internet. Give a brief synopsis of the article and write FIVE thought provoking questions on it.
3. Watch any ONE of the following movies related to Psychology and write a summary of the main character in 200 words.
4. One Flew Over the Cuckoo”s nest
5. Fifty First Dates
6. As Good As It Gets
7. Silver Lining Playbook
8. Flight

**COMMERCE DEPARTMENT**

**SUMMER ASSIGNMENT – 2017**

**Class-11**

**BUSINESS STUDIES – (CIE)**

**INSTRUCTIONS-**

* **Assignment should be submitted on very first day when college reopen**

1. **Question 1)** Research on the case study about the Role of different Cultures in International Business: Cultural Differences in Selected Countries and Regions with Statistical data analysis.(400 words)
2. **Question 2)** Research on theCase Study about : Ethical & Cultural Differences in International Business and Ways Companies Handle Them to gain market share. (McDonald´s, Coca – Cola, etc) with Statistical data analysis. (400 words)

**BUSINESS STUDIES - (CBSE)**

|  |  |  |
| --- | --- | --- |
| Q1 | Research the difference between Business, Profession and Employment. | 3 |
| Q2 | Research the relevance of Synthetical Industry with two examples. | 3 |
| Q3 | Research on the implication of Workers performance and attitude on the business? | 4 |
| Q4 | Research Make profile of a businessman, Meet and interact with the businessman whose profile the student is making and (a) Collect past information of the business.(b) Mention the kind of struggle the businessman experienced, list the place of business & collection of pictures. Provide detailed information of business. Note Internet download not permitted. | 6 |

**Accountancy- (CBSE)**

1. Accounting records business transactions and events that can be measured in money terms. Is this, in your opinion, a limitation of accounting or an advantage? Research & Comment.
2. Research and give opinion, whether following statements are true or false with reason:
3. Recording business events correctly and preparing financial statements are the only objectives of accounting.
4. Resignation by a Marketing manager is not recorded in the books of accounts.
5. Research and determine, if the following are Assets, Liabilities, Capital, Revenue from operations, expenses of none.

1, Machinery; 2, purchases; 3; Stock; 4, Creditors; 5, Capital; 6,Salary paid to clerk; 7, Sales; 8, Furniture; 9, interest received; 10, Rent paid.

**Entrepreneurship- (CBSE)**

|  |  |
| --- | --- |
| **Q. 1** | Research and comment, why the entrepreneurs called agents of progress for a nation? What role do they play in the nation’s development? |
| **Q. 2** | Research and list 10 people from whom you buy any product or service, for example, hawker, milk vendor and a grocer etc. Who do you think is an entrepreneur, if not, why? |
| **Q. 3** | Prepare a profile of an entrepreneur in person, by contacting in your own or nearby locality, preferably family member/relative owning business. Interview him/her for making a complete report.  Note: Download from internet not permitted. |

**ACCOUNTANCY-CIE**

1. You are required to do a research work on the difference between the English system of Book-keeping and Indian system of Book-keeping. Draft a report on the above topic.

2. Which system would you prefer? Justify your opinion.

3. Justify the use of machine for accounting.

**BIOLOGY**

**CLASS – XI**

**Prepare an investigatory project on any one of the topic related with Biology.**

**The project material can be downloaded through net, books or any other source of information.**

**The project should contain at least 20 pages. Coloured diagram, flow charts, survey papers or any other primary or secondary data’s will helps you in preparing a good project.**

**PHYSICAL EDUCATION**

|  |  |
| --- | --- |
| **1.** | Prepare a labelled diagram of 400m track. |
| **2.** | History of track & field. |
| **3.** | Specialization track event, throwing & jumping event. |
| **4.** | Draw a labelled diagram of playing arena with all its specifications of your specialization game / sport. |
| **5.** | History of your specialization game / sport. (Archery, Badminton, Bocce, Gymnastics, Judo, Swimming, Table Tennis, Taekwondo & Tennis) Any one. |
| **6.** | Latest and general rules your specialization game / sport. |
| **7.** | Terminologies of your specialization game / sport. |
| **8.** | Fundamental skills of your specialization game / sport. |
| **9.** | Indian sports awards. |
| **10.** | Indian sports personalities with achievements (your specialization game / sport). |
| **11.** | Modified AAHPER administration for all items. |

**CLASS XI PHYSICS – 2017**

Prepare a power point presentation on:

(i) Displacement – Time Graph

(ii) Velocity-Time Graph

(iii) Acceleration –Time Graph

For objects moving under (i) Uniform Motion and (ii) Uniformly accelerated Motion

**Points to be considered:**

Shape of the graphs possible

Utility of the Graphs.

* MATHEMATICS HOLIDAY ASSIGNMENT

CLASS XI

1. In each of the following ,determine whether the statement is true or false .Jus&fy your

answer by giving examples .

a) If x A and A B then x B b) If A B and B C then A Cϵ ϵ ϵ ϲ ϵ ϵ

2. Describe the following sets in the set builder form:

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3. For any two sets prove the following :

a) A – B = A B’ b) ( A – B) A = A B’ ∩ ∩ ∩

c) ( A – B ) U ( B – A ) = (A – B) U (B – A)

4. Let A and B any two sets .Using proper&es prove that :

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5. Let A ,B and C be any three sets then using proper&es prove that :

a) A ( B – C) = ( A B) – (A C) b) A – (B U C) = (A – B ) (A – C)∩ ∩ ∩ ∩

6.In a group of 800 people , 550 can speak Hindi and 450 can speak English . How many can

speak both English and Hindi .

7.If A, B and C are three sets and U is the universal set such n(U)=700 , n(A) = 200 ,n(B)=300

And n(A B) = 100 . Find n( A’ B’).∩ ∩

8. In a class of 35 students , 17 have taken Mathema&cs , 10 have taken Mathema&cs but not

Economics . Find the number of students who have taken Economics but not mathema&cs ,

If it is given that each student has taken either Mathema&cs or Economics or both.

9. In a survey it was found that 21 persons liked product P1, 26 liked product P2 and 29 liked

Product P3. If 14 persons liked products P1 and P2 ; 12 persons liked products P3 and P1 ;

14 persons liked products P2 and P3 and 8 liked all the three products . Find how many liked

product P3 only .

* 10. If a { 2 , 4 , 6 , 9 } and b { 4 , 6 , 18 , 27 } , then form the set of the ordered pairs (a ,b)ϵ ϵ

such that a divides b and a < b .

11. For any three sets A , B and C prove that

a) A x (B U C) = (A x B) U (A x C)

b) A x(B C) = ( A x B) (A x C)

* MATHEMATICS HOLIDAY ASSIGNMENT

CLASS XI

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