

Class: XII SUMMER VACATION ASSIGNMENT Date:-17.04.2017

Business Studies:

Learn Chapter 1 and 2. Solve the assignment sheet.

Accountancy:

Solve all the examples of 'Issue of share capital' from T.S. Grewal's Book.

Economics:

Unit 1- Introduction and Unit 2- Consumer's Equilibrium and Demand. (NCERT Questions and Answer write in your class work copy)

Physical Education:

- 1. Draw the fixture of 8, 24, 21, 20, 16 teams by using knockout methods.
- 2. Draw the fixture of 9, 12, 13 teams by using cyclic method.

English:

Write the answers of Prose 1, 2, 3, and 4 of 'Flamingo' in class work copy and learn.

Chemistry:

p- block elements and coordination chemistry & solution.

Mathematics:

Matrix and determinants. (Assignment sheet)

Informatics Practices:

Assignment sheet.

Physics:

Electricfield, Electric Potential, Gausis Law and uses. All conceptual and objective questions of class 11^{th.}

Biology:

Chapter – 01 -Reproduction in Organism (NCERT Questions and Answer write in your class work copy) (Q.1 to 7)

Practical Completion (Experiment No. – 1 to 19)

Except 14.2 from Comprehensive Lab Manual.



www. sanskarcity.in and www.sanskarcity.com

Class – XII <u>Summer Vacation Assignment – 2017-18</u>

Date :- 20.04.2017

XII SCIENCE CHEMISTRY

+	XII SCIENCE CHEWISTRY
2.米	Why does PCL3 firme so moishure, which one PCL4+ & & PCL4- is not likely to exist so Why?
Q2	Isley the chemical Reactivity of nitrogen is much. less than that of phosphorus.
3.	Which is a weducing agent Sby an Bity?
4.	NF3 is an exothermic compound where as NCe3
Б	81 11
	Phosphanus has greatent tendency for catena- tion than nitrogen why?
- gc-	The N-0 bond in Not is showher than the N-0 in Not.
ず.	Jendency to form perhabalides decreases
	down the group in group 15 of the periodic table why?
8.	
	ustrial manufacture of Ammonra by
	Habber process.
3.	NH3 ach as good legand. Why?
10	Why does No2 d'imarise.
31	In the structure of HNO3 molecule

	N-0, No bond (121 pm) is shorter than N-0H bond (140 pm).
-12	The molecule of NY3 & NF3 have di- pole moment which one opposite direction.
(b)	All the bonds in Pus molecule are not equivalent.
18.	Why is the bond angle of PH in less
14.	Complete the -Pollowing chemical reaction To + HNO
6	Hga + PHg
0	(a3P2 + H20
a	Cu + HNO3 (dPlue)
0	P4 + NaOH+49 >
15.	Oxygen show catenation behaviour less the
18.	Døygen is a gas but Bulphun Ps 8019d.

170	Draw the structure of Ho S207?
18.	SF6 is kinetically an unext substance.
19.	Has is less acédic than HaTe.
20	Os act as powerful oxidising agent. Give yearon.
21	All the bonds in SF6 are not equivalent
22.	Why are the 8-0 in 80, molecule of equal 8 trength.
23.	Oxygen molecule has the molecular formula of O2 while sulphur has S8.
24.	Describe the favourable condition for the manufacture of Bulphunic and by contact process.
28-	Complete the following reaction -
(2)	$80_2 + Mn0_4 + 4_20 \longrightarrow$
	$0_3 + I^- + H_2O \longrightarrow$
9	C+ H2504
(3)	$48e^{+2} + 80_2 + 4_20 \longrightarrow$
76.	Name the two poisnous gases which preparted from chlonine.

27.	fluorine does not exitibit positive oxidation
	shate.
28.	Give reason for the following:
@	for is more reactive than cifa, but clfq is more reactive than Us.
6	P2 is made reactive of all the fown comm
25.	-on halogens.
0	Why does ehlowing does not play the role of Central atom in interhalogen compound.
බව.	How does would you account for the follows
@	oxidising power of oxa-acids of chlorine
	Hao 2 Hao 2 Hao 2 Hao.
(b)	Decreasing acidic strength of acid -
	PH3 < H2S < HCL
0	Arrang the following in order of increasing acidic strength.
	Hu, HBr, HF, HI.
30-	How are interhalogen compound formulated to how are they prepared.
31.	UF3 molecule has T- shaped structure & not a trigonal plannay one.

32.	Iron dissolve in the to form felle but not
	Pella.
33Q	Draw the structure of following - UF3, HUO4, HUO3
34.	What Propired Anbrattett for carrying out the yeartion between Xe & Ptfa.
35.	Helium & has no real chemical compound. Why
36.	Muite the formula of & structure of Nobel gas species which one isostructural with JU4-, BU03.
37.	Draw the structure
	- Strading
×	Xefyz, Xefy, XeOfy, XeOz
38-	Xefz is linear molecule without a bent.
39.	complete the following chemical reaction -
	Xef4 + 02f2 ->
	Xefy + 420
	Xef4 + 8bf3
	Xefe + Kf ->
	Yef, + PFs>
	Xefo + 420 Partial Hydrolysic.
	Int/Companion

40-	houste the chemical reaction for obtaining XeO3 & XeO54 from Xefa
	Explain most of the transition metal; exhibit
42.	Transition metal & their compounds are generally show paramagnetic behaviour.
43.	How would you account for the Following For M+2/M for copper is (tve) [0.54V] Copper is the only metal in the 1st series of transition metal showing this behavior
44-	Cut2 is a strong yeduing agent where Mr3+ with the same d4 configurate is an oxidising agent.
45.	Why the enthalpy of atomization is are quik high.
6	How would you account. Transition metal exhibit variable oxidate stale. Transition metal & their compound act as catalyst. Zo is not regarded as a transition metal. Many of the transition metal are known to form interstial compound. Cu? ion not known in aqueous sol?

Class:

ERNATIONAL SCHOOL SANSKAR CITY INT

Session (2017-18)

worksheet No.:- 02 Date:- 21-04-2017

"Solution

Subject: Chemistry

- Write two limitations of Rapullis daws.
- sodius chloride solution freezes at lower temp. than water but boils at higher temp. Then water Why- 9
- H2S a toxic gas with rollen egg like Smell is used for qualitative analysis. It would by of H2S in water at S.T.P. is 0.195. Calculate Henry: haw constant. (Ans 285.9 bar)
- Which will have higher boiling point . IM Nace, · IM Baclo
- Why is molality considered beller for expressing Concentration of Solution Main molarity, 2
- What is motal elination Constt. on ebullioscopic constant. 9
- 7. Boiling point of water at 750 m.m. Mg is 99.63°C tow much sugar is to be added to soogning water such that it boils at 100°C (Ans. 121.7 gm)
- 8. Concentrated sitisc and used in the Laboratory Work is 68%, miric aird, by mass in ag. solution what should be molarly of such sample of guid. of the density of solution is 1.504 gm mL-1

(Ans: 16.24 M)



Class: XII SUMMER VACATION ASSIGNMENT Date:-17.04.2017

Business Studies

- Q.1. In order to achieve target production of 5,000 units per month, a Production Manager has to operate on double shifts. Due to power failure most of the time, the manager is able to achieve 5,000 units, but at a higher production cost .In your point of view, what is lacking in management?
- Q.2. 'In an organization employees are happy and satisfied, there is no chaos and the effect of management is noticeable'. Which characteristics of management is highlighted by this statement?
- Q.3. MC Donald's ,the fast food giant made major changes in its menu to be able to survive in the Indian market .Which characteristics of management is is referred to?
- Q.4. Your grandfather has retired as the director of a manufacturing company. At what level of management was he working?

OR

Your grandfather has retired as the director of a manufacturing company. At which level of management was he working?

Different types of functions are performed at this level. State any one function.

- Q.5. Your grandfather has retired from an organization in which he is responsible for implementing the plans developed by the top management .At which level of management was he working. State any one function performed at this level.
- Q.6. At which level of management are the managers responsible for maintaining the quality of output and the safety standards?
- Q.7. Name the level of management at which the managers are responsible for implementing and controlling the plans and strategies of the organization.
- Q.8. Why is management called inexact science?
- Q.9. Karan Enterprise Limited is facing a lot of problems .It manufactures pens. It is suffering losses due to surplus production of pens. The production department produces more of pens than required and sales department is not able to sell those many pens. What quality of management do you think the company is lacking?

Q.10. Raman is working as "plant superintendent" in Tifco ltd. Name the managerial level at which he is working? State any 4 functions he will perform as "start plant superintendent" in this company.

HOTS

Q.11. In which two functions do manager at the top level spend more time than managers at lower level of the organization?

VALUE BASED

- Q.12. Nishita is the marketing manager of a company selling laptops she has 6 subordinated working under her. On the last day of every month she rewarded the efficient employees to motivate them.
 - Name the values which an organization inculcates among its employees when it promotes efficiency
- Q.13. Kushal ltd is a leading automobile company in which the various departments are setting up their own objectives without paying any interest to the organizational objectives name the values which are ignored by the departmental heads and the impact of it on the organization.
- Q.14. A cloth manufacture distributes its defective product at free of cost after getting them repaired from nari niketan at lower cost to an orphanage which values are being attested in this solution.

Class: XII

Worksheet No.: - 01 Subject : Mathematics Date :- 17.04.2017

1. If
$$A = \begin{bmatrix} -1 & 0 & 0 \\ 0 & -1 & 0 \\ 0 & 0 & -1 \end{bmatrix}$$
, find A^3 .

a. If
$$A = \begin{bmatrix} 3 & 0 & -1 \\ 2 & 3 & 0 \\ 0 & 4 & 1 \end{bmatrix}$$
, then find $|AdJ(AdJA)|$.

3. If
$$A = \begin{bmatrix} 3 & -3 & 4 \\ 2 & -3 & 4 \\ 0 & -1 & 1 \end{bmatrix}$$
 varify that $A^{-1} = A^3$

A3-A2-SA

4. If
$$A = \begin{bmatrix} 2 & -1 & 1 \\ -1 & 2 & -1 \\ 1 & 1 & 2 \end{bmatrix}$$
 verify that

A3-6A2+ 9A-4I=0 and hence find A-1

5. Solve the equation by matrix method
$$x+2y+z=7$$
; $x+3z=11$, $2x-3y=1$.

6. If
$$A = \begin{bmatrix} 0 & 27 & 2 \\ x & y & -z \\ x & -\frac{7}{4} & z \end{bmatrix}$$
 satisfy $A^{T} = A^{-1}$

find x, y, Z

7. vet
$$A = \begin{bmatrix} 2 & 3 \\ -1 & 2 \end{bmatrix}$$
 and $f(x) = x^2 + 4x + 7$, show that $f(A) = 0$ use this result to find A^{5} .

8. find A¹ by ERD
$$A = \begin{bmatrix} 1 & 3 & -2 \\ -3 & 0 & 1 \\ 2 & 1 & 0 \end{bmatrix}$$

(1)
$$x \neq y \neq z$$
 and $\begin{vmatrix} x & x^2 & 1+x^3 \\ y & y^2 & 1+y^3 \\ z & z^2 & 1+z^3 \end{vmatrix} = 0$ then porce that $xyz = -1$.

4. Solve the equation
$$\begin{vmatrix} a+x & a-x & a-x \\ q-x & a+x & q-x \\ a-x & a-x & a+n \end{vmatrix} = 0$$

5.
$$\begin{vmatrix} a^2+1 & ab & ac \\ ab & b^2+1 & bc \\ ca. & cb & c^2+1 \end{vmatrix} = 1+a^2+b^2+c^2$$
.

6.
$$\left| \begin{array}{ccc} x+a & b & c \\ a & x+b & c \\ a & b & x+c \end{array} \right| = 0$$

Sanskar City International School, Rajnandga

Date-17-04-17

Summer Assignment

Class-12th

Subject-IP

Write code in Java that takes principal, rate, and time as input from textfields and displays simple interest.

```
2 (a) How many times the following while loop get executed?

int p=5;

int q=36;

While (p<=q)
{
 p+=6;
```

What will be the values of variables 'm' and 'n' after execution of the following code?

Int m, n=0;

For (m=1; m<=4; m++)

{

{ N+=m; N--; }

4. (e) What will be the values of variables agg and agg1 after the execution of the following loops?

```
Loop 1
int a=9,agg=9;
while (a>10)
{
   agg+=a;
   a-=2;
}
Loop 2
int b=9,agg1=0;
do
{
   agg1+=b;
   b-=2;
} while (b>10);
```

What will be displayed in jTextArea1 after the execution of the 5. (0) following code: int G=1; do 1 jTextArea1.setText(Integer.toString(G++)); G=G+1; . }while (G<=5); Give the output of the following Java code: String name="Chennai Express"; int TM=name.length(), TN; TN-80-TM; jTextField2.setText(Integer.toString(TM)); jTextField3.setText(Integer.toString(TN)); Write the value of z after execution of following code: (a) int j; int z; j=4; z = (4*++j)%3;