**Balochistan Board of Intermediate and Secondary Education, Quetta**

Model Paper for HSSC Examination 2017 and Onwards

Subject: Chemistry Total Marks = 85 Class XII

**Section A**  18 Marks

Q No. 1

1. Fill in the blank:-
2. Oxides of sodium are \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. CS is \_\_\_\_\_\_\_\_\_\_\_ clectroposstive chanacta these that of K.
4. Lithium combine with nitrogen to give \_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. Laughing gas has the formula of \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. The coal contain \_\_\_\_\_\_\_\_\_\_\_\_\_\_ Corban called anthracite
7. When one hydrogen is engaged from benzene the radical is called \_\_\_\_\_\_\_\_\_\_
8. Choose the correct answer:-
9. The second election affinity oxygen is as
10. positive b) negative c) natural d) None of them
11. most obedient alkalimetal in earth crust
12. Na b) K c) Li d) CS
13. The dissolving power of equa regia is due to
14. cl (b) cl2 (c) nocl (d) HF
15. which one issuer of ethanol
16. CH3OCH3 (b) C2H2-O-C2H5 (c) Ch3OH (d) none of them
17. R-mg-X deenpord by H2o BY m2o gives
18. Alkane (b) Alkene (c) Alekyne (d) Alkyl Halide
19. Retitled spirit contain Ethanol
20. 80% (b) 90% (c) 95% (d) 99%

c) Indicate true or false 06 Marks

i. Bauxite is an use of Al.

ii. LI is harder than Alkali metal

iii. B.B dichloro duthyl Sulphide is mustard gas.

iv. CO2 has angular structure

v. Benzene is saturated hydrocarbon.

vi. OH is Meta directly group

**Section B** 14X3 = 42 Marks

Note:- Attempt any fourteen parts give short answer

1. Why atomic radius decrease from lift to sight with in a period
2. Why calcium chloride is added in NaCl.
3. Write structural formula showing silicide oxide a covalent network.
4. Why oxidation states of noble gasses one usually zero.
5. Define alloys, write name of metals which is used in preparation of brass and bronze.
6. Write isomers of C2H5o write these IUPAC name
7. Why al
8. lacd are less reactive then alkene.
9. What are the character of aromatic compounds write any three.
10. What is the similarity of H20 with alcohol; phends and ether.
11. Write these uses of methanol
12. What is silver mirror test.
13. How two functional groups create one functional group in carboxylic acid.
14. What is saponification number.
15. Define fertilizers, write name of micro and macronulent
16. Define environmental chemistry write only name of environment components
17. What are conjugate protein
18. What do you mean recycling of waste.

**Section C (5x5 = 25 Marks)**

Note: Attempt any five question

Q. No. 3 Compare Hydrogen with Alkali metals and group (iv) element at least three resemble and three fiffera in each category

Q. No. 4 Explain with diagram consruction and working of nelson’s cell for commercial preparation of HaoH.

Q. No. 5 Explain brick land eyed process for manufals of HNO3.

Q. No. 6 What are Nuleophile sub stilton reaction explain SN2 reaction.

Q. No. 7 Discuss the process for manufacture of cement.

Q. No. 8 Draw the structure of following compounds.

 a) Trinitro toluene (b) cyclo butane (c) methnoicual (d) propure amide

(e) hexatone

Q. No. 9 Write IUPAC name of following

**List of experiments**

**Chemistry B**

**Miner Practicals**

1. Preparation of copper Ammine complex.
2. Preparation of Glucose zone
3. Preparation of Iodoform.
4. Defection of elements in organic compounds (Theo Urines)

**Major Practicals**

Q. No. 2

 At least one salt perform from each group. Performance must be given following salts.

1. Lead acetate
2. Cdmium Nistate / Bimith Nitrate
3. Feso
4. Fecl3
5. Zncl2 / Znso4
6. Balc2
7. Caco3
8. Cacl2
9. NH4cl
10. Nacl
11. KBr
12. Manecium Nitrate

**Chemistry partial B**

Note:- write down the procedure and chemical equation.

Q No. 1 Within 15 minutes and get it signed by examiner.

Q No. 1. Preparation of cope ammine complex =4.

Q No. 2. Detect the acidic and basic radical in given salt, perform at least two confirming test of

 present acidic and basic radicals and get it signed by examiner.

Q No. 3. Via voice = 02

Q No. 4. Practical Note Book = 02

**GENERAL INSTRUCTION FOR CHEMISTRY PRACTICAL B**

Q. No. 1

a) **Preparation**

 i) Procedure = 02

 ii) Equation = 01

 iii) Result / perform = 01

 b) Detection of elements in organic compound

 L. Solution = 02

 Element present ( Nitrogen) = 01

 Element absent (S and X) =01

Q. No. 2 Salt analysis = 07 Marks

 a) Dry Test = 01

 b) Acid Radicals =

 i) Groups Test = 01

 ii) Two commentary test

 Signed by Examiner = 02

 c) Basic Radicals

 i) Group Identification 01

 ii) Two Informatory Test 02

 Duly signed by examiner

Q No. 3. At least 5 questions regarding with relevant practical must asked.

Q No. 4. Practical Note Book = 02 Marks

 Full credit must be given to the dully signed and complete practical note book. = 02