## **General chemistry I Semester. 2020-2021 Years**

(შუალედური გამოცდის ნიმუში)

	Question 1
0	What is the relative molecular mass of ZnO and H <sub>2</sub> SO <sub>4</sub> ? Select one: a. 58 and 87 b. 37 and 28 c. 81 and 98 d. 64 and 98
0000	Question 2 What is the mass of 2.5 mole Fe? Select one: a. 40 b. 155 c. 100 d. 140
0	Question 3 How many molecules are there in a 5g sample of sulphuric acid ( $H_2SO_4$ )? Select one: a. $0.3 \times 10^{23}$ b. $5. 2 \times 10^{23}$ c. $6.2 \times 10^{22}$ d. $0.2 \times 10^{24}$
000000000000000000000000000000000000000	Question 4  How many protons and neutrons are in atom of 31Ga?  Select one:  a. 31 and 29;  b. 31 and 39;  c. 31 and 45  d. 31 and 70;
	Question 5 Give the group number and period number for elements 20Ca, 80Hg.  Select one:

0	<ul><li>a. 4 period. Ia group, 5period IIb group;</li><li>b. 4 period. IIa group, 6 period IIb group;</li><li>c. 3 period. Ia group, 4period IIa group;</li><li>d. 2 period. Ia group, 5period IVb group;</li></ul>
0 0	Question 6 Which of the following compounds are formed by covalent bond? Select one:  a. H <sub>2</sub> O NaCl Cl <sub>2</sub> b. N <sub>2</sub> HCl H <sub>2</sub> c. KCl HBr CCl <sub>4</sub> d. H <sub>2</sub> S AlCl <sub>3</sub> LiCl
0000	Question 7 Wich atoms are connected by non-polar covalent bond? Select one: a. Br, Br; b. , Cl c. H, Cl; d. Mg, O;
0 0	Question 8 What type of hybridization is required at the central atom of the following molecules: CH <sub>4</sub> , Select one: a. sp b. sp <sup>2</sup> c. sp <sup>3</sup> d. sp <sup>3</sup> d
0 0	Question 9 which row contains only acidic oxides: Select one: a. K <sub>2</sub> O,SiO,SO <sub>3</sub> b. CuO,Na <sub>2</sub> O,NO c. CO,N <sub>2</sub> O,NO d. N <sub>2</sub> O <sub>3</sub> ,P <sub>2</sub> O <sub>5</sub> ,CO <sub>2</sub>
	Question $10$ which row contains only acids:

	Select one:
C	a. HCl,NH₃,H₂CO₃
C	b. Cu(OH)Cl,H <sub>2</sub> SO <sub>2</sub> ,H <sub>2</sub> SO <sub>3</sub>
C	c. HCl,Al(OH) <sub>2</sub> Cl,NH <sub>2</sub> OH
C	d. KCI,NaHSO₄,HNO₃
	Question 11
	which row contains only sulfides :
	Select one:
C	a. Na₂S,CuS,FeS
C	b. K <sub>2</sub> SO <sub>3</sub> ,NaHSO <sub>3</sub> ,Al <sub>2</sub> (SO <sub>3</sub> ) <sub>3</sub>
C	c. ZnSO4,KHSO4,NaSO4
C	d. K <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ,Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> ,CaSO <sub>3</sub>
	Question 12
	The coordinate number of the central atom in the complex compound $K_2[PtCl_4]$ is:
	Select one:
C	a. 4
C	b. 6;
C	c. +3;
C	d. 3: