

B.L.D.E. Association's

S.B. Arts and K.C.P. Science College

Vijayapur

DEPARTMENT OF CHEMISTRY

ADVANCE LEARNING

QUIZ COMPETITION

2018-19

DEPARTMENT OF CHEMISTRY

NOTICE

Chemistry Students of B.Sc I, III and V sem are informed that like every year, this year also Department of chemistry is conducting a quiz competition on 22/09/2018. The competition will be held in room no. 25 at 3:00 pm. So, students can enroll their names to Prof. S. S. Sathihal on or before 20/09/2018.



Head

Dept. of Chemistry
SB Arts & KCP Sc. College,
Vijayapur.



IQAC, Co-ordinator

S.B.Arts & K.C.P.Science College,
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Principal,

S.B.Arts & K.C.P. Science College,
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A quiz competition is conducted for chemistry students in seminar hall on 22/ 10 /2018. There were total 10 students participated into 5 groups. In each group two students .

Miss. Savitri Biradar was the organiser. Each team was given one minute time to answer. Points allotted for Correct answer was two and there was no negative mark for wrong answer or no answer. Participant team can say pass if answer was not known. Total 20 questions were asked based on basic science and chemistry. Prof. M.S.Yadawe was the judge for this competition.

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1. The nucleus of an atom consists of
 - A. electrons and neutrons
 - B. electrons and protons
 - C. protons and neutrons
 - D. All of the above

2. The number of moles of solute present in 1 kg of a solvent is called its
 - A. molality
 - B. molarity
 - C. normality
 - D. formality

3. The most electronegative element among the following is
 - A. sodium
 - B. bromine
 - C. fluorine
 - D. oxygen

4. The metal used to recover copper from a solution of copper sulphate is
 - A. Na
 - B. Ag
 - C. Hg
 - D. Fe

5. The number of d-electrons in Fe^{2+} ($Z = 26$) is not equal to that of
 - A. p-electrons in Ne ($Z = 10$)
 - B. s-electrons in Mg ($Z = 12$)
 - C. d-electrons in Fe ($Z = 26$)
 - D. p-electrons in Cl ($Z = 17$)

6. The metallurgical process in which a metal is obtained in a fused state is called

- A. smelting
 - B. roasting
 - C. calcinations
 - D. froth floatation
7. The molecules of which gas have highest speed?
- A. H_2 at $-73^\circ C$
 - B. CH_4 at 300 K
 - C. N_2 at $1,027^\circ C$
 - D. O_2 at $0^\circ C$
8. The oldest rocks in the earth's crust were once molten, and came from deep inside the earth. The molten rock, called magma, spewed out in volcanic eruptions during the earth's early life and solidified into hard rock's called
- A. granite
 - B. basalt
 - C. igneous rocks
 - D. sedimentary rocks
9. The law which states that the amount of gas dissolved in a liquid is proportional to its partial pressure is
- A. Dalton's law
 - B. Gay Lussac's law
 - C. Henry's law
 - D. Raoult's law
10. The main buffer system of the human blood is
- A. $H_2CO_3 - HCO_3^-$
 - B. $H_2CO_3 - CO_3^{2-}$
 - C. $CH_3COOH - CH_3COO^-$
 - D. $NH_2CONH_2 - NH_2CONH^+$
11. The gas present in the stratosphere which filters out some of the sun's ultraviolet light and

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11. The gas present in the stratosphere which filters out some of the sun's ultraviolet light and

provides an effective shield against radiation damage to living things is

- A. helium
- B. ozone
- C. oxygen
- D. methane

12. The most commonly used bleaching agent is

- A. alcohol
- B. carbon dioxide
- C. chlorine
- D. sodium chlorine

13. The nucleus of a hydrogen atom consists of

- A. 1 proton only
- B. 1 proton + 2 neutron
- C. 1 neutron only
- D. 1 electron only

14. The heat required to raise the temperature of body by 1 K is called

- A. specific heat
- B. thermal capacity
- C. water equivalent
- D. None of the above

15. The nuclear particles which are assumed to hold the nucleons together are

- A. electrons
- B. positrons
- C. neutrons
- D. mesons

16. The mass of P_4O_{10} that will be obtained from the reaction of 1.33 gram of P_4 and 5.07 of oxygen is

- A. 2.05 gram
- B. 3.05 gram
- C. 4.05 gram
- D. 5.05 gram

17. The octane number of zero is assigned to

- A. 2-methyl octane
- B. n-heptane
- C. iso-octane
- D. 3-methyl octane

18. The metal that is used as a catalyst in the hydrogenation of oils is

- A. Ni
- B. Pb
- C. Cu
- D. Pt

19. The most abundant rare gas in the atmosphere is

- A. He
- B. Ne
- C. Ar
- D. Xe

20. The Latin word *formica* means ant. The name formic acid is derived from this Latin word because

- A. this acid, in ancient times, was used to eliminate ant-hills
- B. this corrosive acid is secreted by ants to drive away their enemies
- C. this acid was first obtained by the distillation of ants
- D. ants are attracted by the odour of this acid

Prize distribution was done during, Science day celebration function. Chief guest of the function distributed the prizes to the winners.

1. First Prize : 1. Miss. Pratibha Patil
 2. Mr. Pavankumar Malagavi

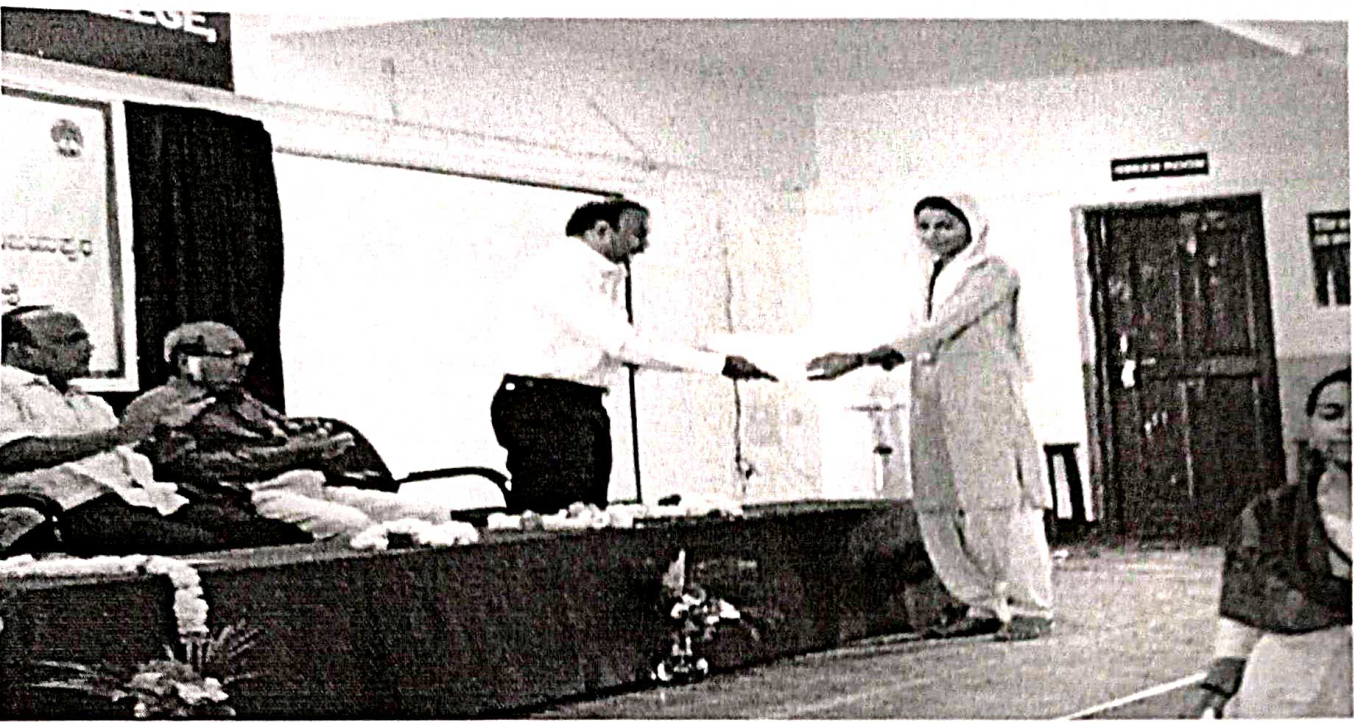
2. Second Prize: 1. Miss . Kavya Muttagi
 2. Miss. Sarita Kulkarni

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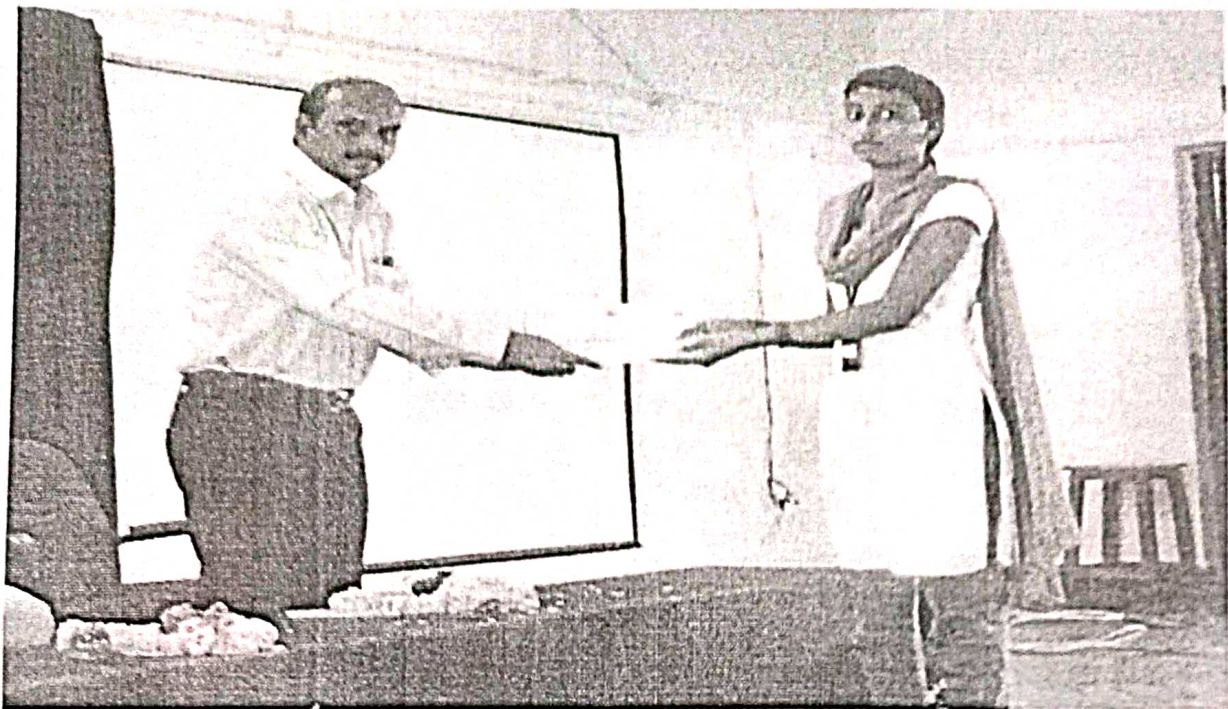
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First Prize :



continued - -

Second Prize:



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