



OFFICE OF THE PRINCIPAL
**C.M.DUBEY POST GRADUATE COLLEGE,
BILASPUR (C.G.)**

(Accredited "A" by NAAC & The College with "Potential For Excellence")
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DETAILED ACTIVITY REPORT
OF
DEPARTMENT OF CHEMISTRY
Session – 2020-2021

TITLE OF THE ACTIVITY :

QUIZ COMPETITION

ACTIVITY BACKGROUND :

In the session of 2020-21, the Chemical association of C.M.D.P.G. College has organized a "Online Quiz Competition" on 07 February 2021 on National Periodic Table Day for the post graduate classes. The topic for the competition is "Periodic Table"

The whole programme is conducted and supervised by **Dr. Smt. Harsha Sharma (Head, Department Of Chemistry)**.

OBJECTIVES OF THE ACTIVITY :

The main objective of quiz competition is to popularize quizzing activities among students and to encourage them to take part in all competitive exam at state and central level. To instill our students the values of knowledge, wisdom and compassion make them smart citizens.

DESCRIPTION:

Total 20 questions were asked in the competition and 18/20 was the highest marks. 16/20 and 15/20 was 2nd & 3rd highest marks respectively. M.Sc. first semester and M.Sc. third semester students participated in the online quiz competition and the response is recorded online through Google forms.

LINK : <http://testmoz.com/8923938>

PASSCODE : HarshaHarsha

QUESTIONS GIVEN IN THE QUIZ COMPETITION

1. The atom of an element has electronic configuration 2, 8, 7. To which of the following elements would it be chemically similar?

- (A) N(7)
- (B) P(15)
- (C) Na(11)
- (D) F(9)

2. The properties of eka-aluminium predicted by Mendeleev are the same as the properties of later discovered element.

- (A) Scandium
- (B) Germanium
- (C) Gallium
- (D) Aluminium

3. In the modern periodic table, the number of period of the element is the same as

- (A) principal quantum number
- (B) atomic number
- (C) azimuthal quantum number
- (D) Atomic Mass

4. Which one of the following metals floats on water?

- (A) Magnesium
- (B) Sodium
- (C) Mercury
- (D) Lead

5. What is the atomic number of element of period 3 and group 17 of the Periodic Table?

- (A) 10
- (B) 4
- (C) 17
- (D) 21

6. Potassium is a metal which floats on water. What is the principal reason for not using it in the manufacture of ships?

- (A) It is a soft metal
- (B) It is a rare metal
- (C) It is a highly expensive metal
- (D) It is a highly reactive metal

7. Pick out the chemically most reactive elements from the given triads.

- Li, Na, K F, Cl, Br
- (A) Li and F
 - (B) Li and Br
 - (C) K and F
 - (D) K and Br

8. Each energy level of an atom has a maximum number of _____ it can hold.

- (A) Neutrons
- (B) Quarks
- (C) Protons
- (D) Electrons

9. In Mendeleev's Periodic Table, gaps were left for the elements to be discovered later. Which of the following elements found a place in the Periodic Table later?

- (a) Chlorine
- (b) Silicon
- (c) Oxygen
- (d) Germanium

- (A) Chlorine
- (B) Silicon
- (C) Oxygen
- (D) Germanium

10. Which one of the following halogens is found in the solid state at room temperature?

- (A) Fluorine
- (B) Chlorine
- (C) Bromine
- (D) Iodine

11. Element 'X' forms a chloride with the formula $XC\ell_2$, which is a solid with high melting point. X would most likely be in the same group of the periodic table as

- (A) Si
- (B) Mg
- (C) Al
- (D) Na

12. Elements in groups 3 through 12 are called

- (A) Metalloids
- (B) Chalcogens
- (C) Transition Metal
- (D) Non Metals

13. From the list below, select the non-metal that exists as a liquid at room temperature?

- (A) Mercury
- (B) Argon
- (C) Bromine
- (D) Nitrogen

14. Which of these belong to the same period?

Element	A	B	C
Atomic number	2	10	3

- (A) A and B
- (B) B and C
- (C) C and A
- (D) A B and C

15. Up to which element, the Law of Octaves was found applicable?

- (A) Oxygen
- (B) Calcium
- (C) Cobalt
- (D) Potassium

16. Why would light bulbs be filled with argon rather than air?

- (A) Argon will cause the bulb to glow more brightly
- (B) Argon being inert, will not react with the filament
- (C) Argon costs less to produce than air
- (D) Argon is more widely available than air

17. Newlands relation is called

- (A) Musical Law
- (B) Law of Octave
- (C) Periodic Law
- (D) Atomic Mass Law

18. How many naturally occurring elements are there

- (A) 94
- (B) 98
- (C) 20
- (D) 35

19. The elements A, B and C belong to groups 1, 14 and 17 respectively of the Periodic Table. Which two elements will form ionic compounds?

- (A) A and B
- (B) A and C
- (C) B and C
- (D) None

20. Which one of the following gases is used in advertising lights?

- (A) Oxygen
- (B) Neon
- (C) Argon
- (D) Helium

At the end of quiz competition, winner's names are announced by Dr. Smt. Harsha Sharma (Head, department of chemistry).

S.No.	Position	Name Of Student	Class
1.	1 ST Rank	Abhyuday Namdeo Aakanksha Dubey	M.Sc. 1 st Semester M.Sc. 3 rd Semester
2.	2 ND Rank	Kiran Sahu	M.Sc. 1 st Semester
3.	3 RD Rank	Akshay Bhoy	M.Sc. 3 rd Semester

ACTIVITY CO-ORDINATOR :

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