

Divisional Public School & College Sahiwal(Chichawatni Campus)

1st Revision Test Series 2024-25

Time:10 min. 9th B/G Chemistry Objective Paper# 02 Marks:10

Name: _____ Section: _____ Roll No: _____

Note: Cutting, Overwriting, use of ink remover & lead pencil is not allowed.

Q.1: Choose the correct option. /10

1. The nature of charge on canal rays is:
(A) Positive (B) Negative (C) No charge (D) Partial negative charge
2. The p subshell has
(A) One orbital (B) Two orbital (C) Three orbital (D) Four orbital
3. The value of Plank's constant is:
(A) 6.63×10^{-36} Js (B) 6.63×10^{-35} Js (C) 6.63×10^{-33} Js (D) 6.63×10^{-32} Js
4. C^{14} has the neutrons:
(A) 6 (B) 8 (C) 10 (D) 12
5. Maximum electrons in K shell are?
(A) 2 (B) 8 (C) 18 (D) 32
6. Uranium has number of isotopes:
(A) two (B) three (C) four (D) five
7. Which radioisotope is used for the diagnosis of tumor in the body?
(A) Cobalt-60 (B) Iodine-131 (C) Strontium-90 (D) Phosphorus-32
8. The isotope C-12 is present in the abundance of:
(A) 96.9% (B) 97.6% (C) 99.7% (D) none
9. Neil Bohr presented atomic model in:
(A) 1913 (B) 1923 (C) 1933 (D) 1943
10. Aftergaining one electron chlorine atom attains the electronic configuration of which noble gas:
(A) helium (B) neon (C) argon (D) krypton

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Time:1:20 Hrs. 9th B/G Chemistry Subjective Paper# 02 Marks:40

Q.2. Write down short answers. (14×2=28)

(i)	What is plum-pudding theory and who presented it?	(ii)	Describe the isotopes of carbon.
(iii)	Define electronic configuration and write the electronic configuration of Argon (Ar=18).	(iv)	Differentiate between shell and subshell with example of each.
(v)	What are the defects of Rutherford atomic model?	(vi)	For what purpose U-235 is used?
(vii)	What is Carbon dating?	(viii)	What is meant by Quantum?
(ix)	What are the properties of neutrons?	(x)	How canal rays are produced?
(xi)	What observations are made by Rutherford?	(xii)	Write down the difference between Rutherford and Bohr's atomic theory.
(xiii)	What is the role of isotopes in tracer of medicine and diagnosis?	(xiv)	Write down the discovery of neutron.

Long Questions

6+6=12

Q.3:	Write down the postulates of Bohr's atomic theory.
Q.4:	Write down the discovery of Cathode rays with its properties.