Atomic Structure

Sr	Questions	Answers Choice
1	According to Rutherford's atomic theory, atom should produce.	A. Line spectrum B. Continuous spectrum C. Both a and b D. None of these
2	How is radio carbon dating useful for archeolgists.	A. It helps detemine whether the matter is radioactie or not B. It helps determine the age of organic matter C. It helps determine the composition of matter D. It helps deterime the usefulness of matter
3	Proton are feflected toward plate.	A. Positive B. Negative C. Both a and b D. None of these
4	Who performed fist experiment to split atom	A. Bohr B. Newton C. Rutherford D. Soddy
5	What information was obtained fom discharge tube expriments?	A. Electrons and protons were discovered B. Structur eof atom was discovered C. Neutrons and protons were discovered D. Presence of nucleus in an atom was discovered
6	In which isotope of oxygen there are the equal numbr of protons electons and neutorns.	A. O¹⁶ B. ¹⁷O C. ¹⁸O D. None of these
7	Whcih Isotopes is used for diagonosis of goiter?	A. Iodine-131 B. Cobalt -60 C. P-32 D. Sr-90
8	Atom is electrically	A. Positive particle B. Negaitve particle C. Neutral particle D. None of these
9	The percentage of $^{238}U_{92}$ found in nature.	A. 97% B. 0.72% C. 98% D. 1.5%
10	How many subshells are there in M shell?	A. 2 B. 4 C. 3 D. 5
11	The nucleus of an atom is composed of	A. Electrons B. Electons and protons C. Protons and neutrons D. Electrons and neutrons
12	Mass Number is repreented by	A. Z B. S C. A D. M
13	How many electrons can be accommodated at the msot in the third shell of the elements.	A. 8 B. 12 C. 10 D. 18
		A. Isotopes do not show periodic behavior B. Periodic tble cannot accomodate a

14	Why has isotopes not been shown int he periodic table.	large number of isotopes of different elements C. All the isotops have same atomic number so there is no need to give them separate places D. Someof the isotopes are unstble and they give rise to different elements.
15	$^{238}U_{92}$ has number of neutrons.	A. 92 B. 146 C. 238 D. 330
16	M shell has sub sheels.	A. 1s , 2s B. 1s,2s,3s C. 2s,2p D. 3s,3p,3d
17	An element has 5 electrons in M shell. Its tomic number is.	A. 5 B. 10 C. 15 D. 20
18	Number of neurtons in $^{27}M_{13}$are	A. 13 B. 14 C. 27 D. 15
19	N-shell contains number of subshells.	A. 1 B. 3 C. 4 D. 2
20	What does keep the particles present in the nucleus intact.	A. Particles are held together by dipolar force B. Particles are held together by wee nuclear force C. Particles are held together by strong nuclear force D. Particles are held together by electrostatic force