ATOMIC ENERGY CENTRAL SCHOOL

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CHEMISTRY PGT WRITTEN TEST

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| 1 | The element with atomic number 105 is represented as |
|  | A. Unn | B Unp | C Upn | D None |
| 2 | 0.224 Lit of H2 gas at STP is equivalent to  |
|  | A mol | B 1g  | C . 6.023X1023 molecules | D 0.01 mol |
| 3 | A signature in carbon pencil weighs 1 mg .What is the number of carbon atoms present in the signature. |
|  | A 6.023X10-20  | B 0.502X1020 | C 5.023X1023 | D 5.023X1020 |
| 4 | The spectrum of He+ is expected to be similar to that of |
|  | A Li+ | B H | C Na+ | D He+ |
| 5 |  The maximum number of electrons in a shell is given by the expression. |
|  | A 4l + 2 | B 4l – 2 |  2l + 2 |  D 2n2 |
| 6 | In Hydrogen Spectra Balmer series is found in--------region. |
|  | A Infra Red | B Visible | C UV | D None |
| 7 | Which of the following is a Liquid Metallic element? |
|  | A Hg | B Br | C Both | D None |
| 8 | The first ionization potential will be maximum for |
|  | A . U | B. Fe | C. H | D. Li |
| 9 | Thermodynamically the most stable form of carbon is  |
|  | A Diamond | B Coal | C Fullerenes | D Graphite |
| 10 | The Oxidation state of Sulpher in H2S2O5 is  |
|  | A +8 | B +4 | C +6 | D None |