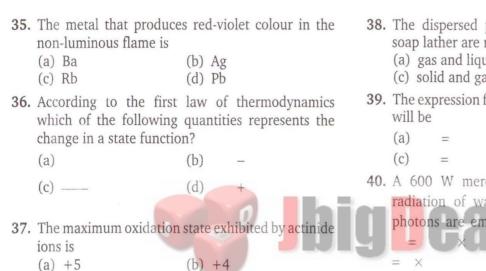
1. is diluted diluted base is (a) between 7 and 8 (b) between 5 and 6	d 100 times. The pH of the		Which one of the following complexes is outer orbital complex?  (a) (b) (c) (d)
(c) between 6 and 7 (d) between 10 and 11			A solution made by dissolving 40 g NaOH in 1000 g
2. An -hybrid orbital c	ontains		of is
(a) – -character	(b)character		(a) 1 molar (b) 1 normal (c) 1 molal (d) None of these
(c) – -character	(d) – -character	10.	0.1 mol HCl is equal to (a) 3.65 g (b) 36.5 g (c) 18 g (d) 1.8 g
3. Leaching is a process of (a) reduction (c) refining		11.	TNA
<ul><li>4. Electrolysis of fused Na</li><li>(a) Na</li><li>(c) NaClO</li></ul>	Cl will give (b) NaOH (d)	12.	Which of the following has the maximum number of unpaired electrons?  (a) + (b) +
5. Which of the following	fluorides does not exist?		(d) + (d) +
(a) (c) 6. Red lead is	(b) (d)	13.	The geometry of is  (a) planar hexagon (b) regular octahedron (c) distorted octahedron (d) square bipyramid
(a) PbO (c)	(b) (d)	14.	The correct statement with regard to and is  (a) both + and are equally stable
7. Hybridisation states of	C in <sup>+</sup> and are		(b) both + and do not exist
(a)	(b)		(c) is more stable than +
(c)	(d)		(d) + is mo <sub>1</sub> stable than



(c) + 7

- 38. The dispersed phase and dispersion medium in soap lather are respectively
  - (a) gas and liquid (b) liquid and gas
  - (c) solid and gas (d) solid and liquid
- **39.** The expression for the solubility product of
- 40. A 600 W mercury lamp emits monochromatic radiation of wavelength 331.3 nm. How many photons are emitted from the lamp per second? velocity of light
  - X
  - (a) x

- (b)  $\times$  (c)  $\times$
- (d) ×

## Answer – Key

<b>1.</b> a	<b>2.</b> a	<b>3.</b> b	<b>4.</b> a	5. a	<b>6.</b> c	<b>7.</b> a	<b>8.</b> d	<b>9.</b> c	<b>10.</b> a
<b>11.</b> b	<b>12.</b> c	<b>13.</b> c	<b>14.</b> d	<b>15.</b> b	<b>16.</b> a	<b>17.</b> c	<b>18.</b> a	<b>19.</b> c	<b>20.</b> b
<b>21.</b> a	<b>22.</b> c	<b>23.</b> c	<b>24.</b> b	<b>25.</b> b	<b>26.</b> c	<b>27.</b> b	<b>28.</b> d	<b>29.</b> a	<b>30.</b> d
<b>31.</b> b	<b>32.</b> d	<b>33.</b> d	<b>34.</b> b	<b>35.</b> c	<b>36.</b> d	<b>37.</b> c	<b>38.</b> a	<b>39.</b> b	<b>40.</b> c