

# DAILY EXAM GENERAL SCIENCE - 1 KEY 20-04-2020

## SECTION - I

**$\frac{1}{2}$  mark questions.**

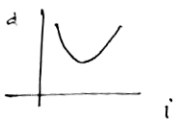
**$20 \times \frac{1}{2} = 10$**

1. The splitting white light into constituent colours.
2.  $1 - a, 2 - b$ .
3. A is false B is True
4. 5D
5. Concave
6. b
7. a, b, c
8. 1D
9. C
10. a-ii, b-i
11. d
12. c
13. a
14.  $i \rightarrow r, ii \rightarrow p$
15. A cation is formed when an atom loses electrons .
16.  $120^\circ$
17. Trigonal pyramidal
18. c
19. 6 and 6
20.  $HCl$

## SECTION - II

**1 mark questions.**

**$15 \times 1 = 15$**

21. The process of adjusting of ciliary while seeing at different objects is accommodation.
22. The re emission of absorbed in all directions is called scattering.
23.  $f_{\max} = 2.5 \text{ cm}$   
 $f_{\min} = 2.25 \text{ cm}$
24. 
25. The person cannot see near by objects clearly. This defect of vision is called Hypermetropia.

26. At noon atmosphere contains  $H_2O$ . Which acts as scattering center for all colours. So colour of sky is white.
27. Wave length of red colour is more and So, it is lest scattered . It can be easily seen through a large distance.
28. Sigma bond is formed by the end-on-end overlap of orbitals
29. The attractive force between two atoms in a molecule is called chemical bond.
30. The electrostatic attractive force that keeps cation and anion together to form a new electrically neutral compound is called Ionic bond.
31. Because, Benzene is non-polar and it cannot solvate the ions of  $NaCl$
32. Bond length is the equilibrium distance between the nuclei of two atoms which form a covalent bond.
33.  $CH_4 - 109^{\circ}28', NH_3 - 107^{\circ}48', H_2O - 104^{\circ}31'$
34. It is a phenomenon of intermixing of atomic orbitals of almost equal energy which are present in the outer shell of the atom and their redistribution into the same number of orbitals but with equal properties like energy and shape.
35. Sodium -  $Na^{\times}$  Argon ———  $\cdot \overset{\cdot \cdot}{\underset{\cdot \cdot}{Ar}} \cdot$

## ENGLISH - 2 KEY

I) 3,4,2,1,5.

II) a) support b) allegation c) critics d) described

III) 6,5,2,1

IV) a) friendship b) establishment c) founded d) governing

V) a) ai, b) ie.

VI) ting , b)ed.

VII) 1) colossus b) discreet

VIII) 1.adjective

2. The state of not having any energy or enthusiasm for doing things.

IX) **Words with Prefixes** **Words with Suffixes**

1) diameter

1) speculation

2) introvert

2) dictionary

3) regress

3) insecticide

4) bimorph

4) civilization

X) A) Freak out : Snakes really freak me out.

B) Muster up confidence :Roberge joined st.xaviers college to muster up confidence to meet Ray in person.

C) Near and dear : Raju invited all near and dear to his birthday party.

D) Lingua franca : Hindi is the lingua franca of India.

XI) F, A, E, D