

# Hunt for Junior CV Raman – 2022

CODE	22110
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## Class X- MEDI

### SAMPLE QUESTION PAPER

#### PHYSICS

1.	At the time of short circuit, the current in the circuit (a) reduces substantially (b) does not change (c) increases heavily (d) very continuously
2.	When a spherical convex lens made of glass is immersed in water, its focal length (a) decreases (b) does not change (c) increases (d) none of the above

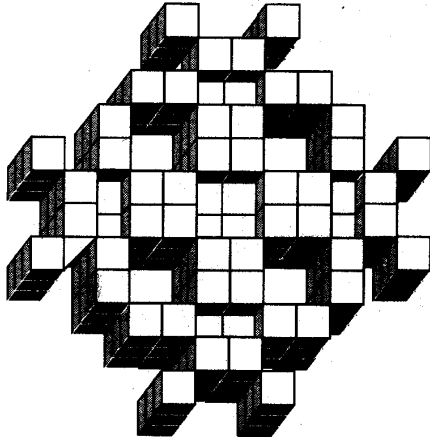
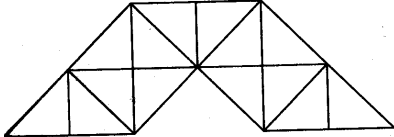
#### CHEMISTRY

3.	Multiple covalent bonds exist in a molecule of: (a) F <sub>2</sub> (b) N <sub>2</sub> (c) CH <sub>4</sub> (d) H <sub>2</sub>
4.	A student mistakingly used a wet gas jar to collect sulphur dioxide. Which one of the following tests of the gas is likely to fail? a) odour b) effect on acidified K <sub>2</sub> Cr <sub>2</sub> O <sub>7</sub> solution c) solubility test d) none of these

#### BIOLOGY

5.	Translocation of solutes primarily takes place through a) Phloem b) xylem c) cortex d) pith
6	Name the plant hormone which is termed growth inhibitor a) Auxin b) gibberellins c) abscisic acid d) ethylene
7	Gastric digestion takes place efficiently in a) Acidic medium b) Alkaline medium c) neutral medium d) highly alkaline medium

**MENTAL ABILITY**

<p>8</p>	<p>Count the number of cubes in following figure?</p>  <p>(a)144                      (b)150                      (c)158                      (d)168</p>
<p>9.</p>	<p><b>Statements:</b> (A) Some dogs are doors. (B) All doors are bats.  <b>Conclusions:</b>          I. Some dogs are bats.          II. All dogs are bats.          III. Some bats are dogs.          IV. All bats are dogs.</p> <p>(a) All the conclusions follow                      (b) None of the conclusions follow          (c) Only II and IV follow                      (d) Only I and III follow</p>
<p>10.</p>	<p>Count the number of triangles in the following figure:</p>  <p>(a)23                      (b) 27                      (c) 29                      (d) 31</p>