

केन्द्रीय विद्यालय संगठन, जयपुर संभाग

Kendriya Vidyalaya Sangathan, Jaipur Region

सत्रांत परीक्षा 2025-26


Session Ending Examination 2025-26

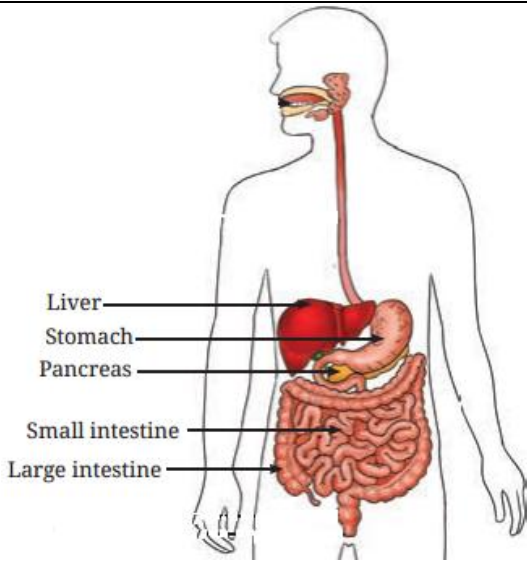
Marking scheme (Practice Paper)

Class – VIIIth

Sub- Science

Q. NO	ANSWER	MARKS
	SECTION-A	
1.	(c) Because hot air expands, becomes lighter, and moves upward.	1
2.	(c) Convection	1
3.	(b) 480 metres	1
4.	(b) Uniform linear motion.	1
5.	(c) Salivary digestive juices break down complex starch into simpler sugars	1
6.	(b) The body would be unable to efficiently absorb nutrients into the bloodstream.	1
7.	(b) Small Intestine	1
8.	(d) Stomata	1
9.	(b) Lateral inversion	1
10.	(b) Anti-clockwise (West to East)	1
11.	(b) 21 June	1
12.	(a) Both A and R are true and R is the correct explanation of A	1
13.	(d) A is false but R is true	1
14.	(c) A is true, but R is false.	1
	SECTION-B	
15.	Distance covered by bus = Speed \times Time = 50 km/h \times 2h = 100 km	2
16.	Test tube A (pieces of chapati): The iodine solution turns blue-black. Reason: Chapati contains starch, and iodine gives a blue-black colour in the presence of starch. Test tube B (chewed chapati): The blue-black colour is faint or may not appear. Reason: Saliva contains the enzyme amylase, which begins digestion and breaks starch into sugars, so less starch is left to react with iodine.	2
17.	Only Rekha can see the flame of the candle because light travels in a straight line, and Rekha's line of sight is aligned with the flame. The others cannot see the flame because they are not in	2

	the path of the pipe where the flame is visible	
18.	The Pole Star lies nearly along Earth's axis of rotation, directly above the North Pole. As the Earth spins, stars appear to move, but the Pole Star stays almost in the same position.	2
	SECTION - C	
19.	Conduction is the process of heat transfer from the hotter part of an object to its colder part. In this process, a particle that gets heated passes the heat on to its neighbour, and the cycle continues. During this transfer, the particles themselves do not move from their original positions.	3
20.	Yadu wants to test the action of saliva on starch present in the rice flour. More specifically, he is investigating: Whether saliva can break down (digest) starch. He is using iodine solution as an indicator for the presence of starch (iodine turns blue-black in the presence of starch). By comparing the colour change in test tube, A (control, without saliva) and test tube B (with saliva), he can determine if saliva has altered the starch in the rice flour. The expected result (as shown in typical representations of this experiment) is that test tube A will turn blue black (starch present), while test tube B will show little or no blue-black colour, indicating that the saliva has broken down the starch into sugars.	3
21.	Requirements: The four essential components are sunlight, water, chlorophyll, and carbon dioxide. <div style="text-align: center;"> $\text{Carbon dioxide} + \text{Water} \xrightarrow[\text{Chlorophyll}]{\text{Sunlight}} \text{Glucose} + \text{Oxygen}$  </div>	3
22.	The image formed is erect. The image is laterally inverted. The image is of same size as the object. The image is formed at the same distance as object is placed from mirror	3
23.	Earth's axial tilt Earth is tilted about 23.5° on its axis. Because of this tilt, different parts of Earth receive different amounts of sunlight during the year. Earth's revolution around the Sun As Earth orbits the Sun, the tilted axis keeps pointing in the same direction, causing changes in the angle and duration of sunlight in each hemisphere.	3.
	SECTION-D	
24.	Given: Number of oscillations = 40, Total time = 80 seconds (i) Time period (T) = $T = 80/40 = 2$ seconds	2 + 3

	<p>(ii) If the number of oscillations becomes 80 and total time becomes 160 seconds. $T = 160/80 = 2$ seconds</p>	
25.	 <p>(a) Liver (b) Stomach (c) Pancreas (d) Large intestine (e) Small intestine</p>	5
26.	<p>(i) Luminous Objects Luminous objects produce their own light. Example: Sun, stars, fireflies. Non Luminous Objects Non-luminous objects do not produce light but reflect it from luminous objects. Example: Moon, mirrors. (ii) "AMBULANCE" is written in reverse letters so that drivers ahead see it correctly in their rear-view mirrors due to lateral inversion. This helps them quickly recognize and make way for ambulances. (iii) It passes through partially, causing blurred visibility.</p>	2+2+1
SECTION-E		
27.	<p>(i) conduction (ii) Wood/Plastic Handles: These are poor conductors (insulators), preventing heat transfer to the handle and protecting hands from burns. (iii) Whole Utensil from Plastic/Wood: No, because these materials can't withstand high cooking temperatures and may melt or catch fire.</p>	1 1 2
28.	<p>(i) Sunlight provides energy to synthesize food. (ii) Iodine test (iii) Carbon dioxide, water, sunlight, and chlorophyll</p>	1 1