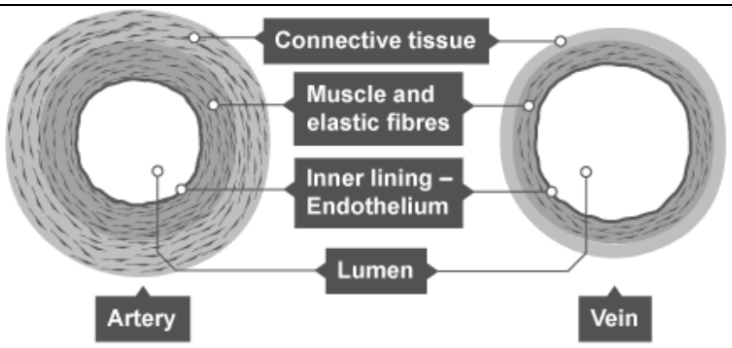
ICSE 2026 SPECIMEN

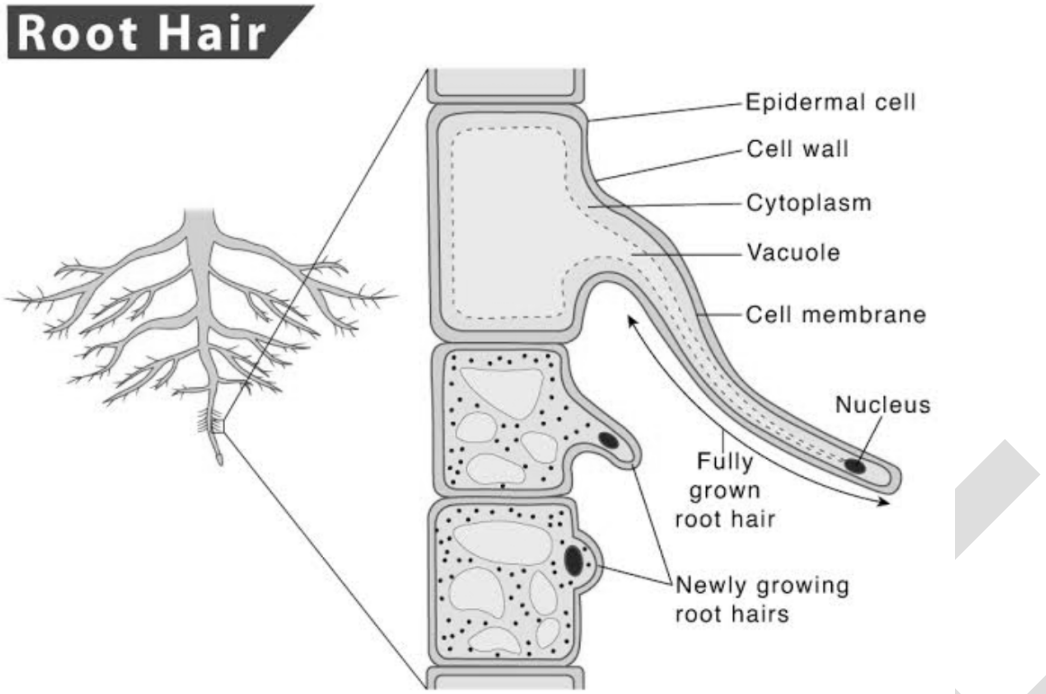
DRAFT MARKING SCHEME – BIOLOGY (SCIENCE PAPER 3)

Question 1			[15x1]
(i)	(b)	Erythropenia	
(ii)	(d)	Ethylene	
(iii)	(c)	Both (A) and (R)are true and (R) is the correct explanation of (A).	
(iv)	(a)	Adrenaline	
(v)	(c)	Phagocytosis	
(vi)	(a)	(A) is True but (R) is False	
(vii)	(d)	Adaptation of eyes	
(viii)	(c)	Require no conscious thought, allowing rapid responses.	
(ix)	(b)	In polluted areas became darker in colour for better camouflage.	
(x)	(c)	Progesterone	
(xi)	(a)	Vasectomy in males, Tubectomy in females	
(xii)	(b)	22 pairs of autosomes, 1 pair of allosome	
(xiii)	(d)	Tool making, Agricultural, Scientific and Industrial	
(xiv)	(c)	R, P S, Q	
(xv)	(a)	Cerebellum, Semicircular canals, Vestibule	
Question 2			
(i)	(a) (b) (c) (d) (e)	Smog Endometrium Root pressure Stroma Cerebrospinal fluid	[5x1]
(ii)	(a) (b) (c) (d) (e)	Pericardium Pulmonary artery Aorta Chordae tendinae Coronary	[5x1]

<table>
<tr><td>(iii)</td><td><table>
<tr><th colspan="2">Odd term</th><th>Category</th></tr>
<tr><td>(a)</td><td>Oxygen</td><td>Air pollutants</td></tr>
<tr><td>(b)</td><td>Pons</td><td>Plant tissues</td></tr>
<tr><td>(c)</td><td>Malleus</td><td>Parts of outer Ear</td></tr>
<tr><td>(d)</td><td>Uterus</td><td>Parts of Urinary system</td></tr>
<tr><td>(e)</td><td>Root hair</td><td>Parts through which transpiration takes place.</td></tr>
</table></td><td>[5x1]</td></tr>
<tr><td>(iv)</td><td>(a) Tears
(b) Cones
(c) Optic nerve
(d) Iris
(e) Pupil</td><td>[5x1]</td></tr>
<tr><td>(v)</td><td>(a) Interstitial cells
(b) Efferent Ducts
(c) Epididymis
(d) Vas deferens
(e) Seminiferous tubules</td><td>[5x1]</td></tr>
<tr><td colspan="2">Question 3</td><td></td></tr>
<tr><td>(i)</td><td>It is the onset of menstruation in a young female around the age of 13 years.</td><td>[1]</td></tr>
<tr><td>(ii)</td><td>Transpiration – As water vapour
Guttation – As water droplets</td><td>[2]</td></tr>
<tr><td>(iii)</td><td>(a) Cerebrum
(b) Cerebellum</td><td>[2]</td></tr>
<tr><td>(iv)</td><td>(a) Cell membrane - Semipermeable
(b) Cell wall – Freely permeable</td><td>[2]</td></tr>
</table>

(v)		[3]
Question 4		
(i)	It is the removal of harmful nitrogenous waste products from the body.	[1]
(ii)	Diabetes mellitus – Hyposecretion of Insulin. Diabetes insipidus – Hyposecretion of ADH.	[2]
(iii)	Common name – Garden pea Scientific name – Pisum sativum	[2]
(iv)	Endosmosis – Hypotonic solution Exosmosis – Hypertonic solution	[2]
(v)	(a) Abscisic acid, Ethylene (b) Auxin (c) Peas, Grapes, Ivy	[3]
Question 5		
(i)	Materials that can not be broken down by the microorganism. They persist in the environment causing pollution.	[1]
(ii)	- To eliminate open defecation - To clean streets, infrastructure of cities and towns	[2]
(iii)	(a) Algae, Mosquito larvae, Small fish, Seal, Penguin. (b) Cabbage, Caterpillar, Wood pecker, Fox, Mountain lion.	[2]
(iv)	Cranial nerves – 12 pairs Spinal nerves – 31 pairs	[2]
(v)	(a) Green parts	[3]

	(b) Green parts contain chlorophyll which traps sunlight for photosynthesis. (c) $6CO_2$ + $6H_2O \rightarrow C_6H_{12}O_6$ + $6O_2$ + $6H_2O$ (Carbon dioxide) (Water) (Glucose) (Oxygen) (Water)	
Question 6		
(i)	Out of a pair of contrasting characters present together, only one is able to express itself while the other remains suppressed.	[1]
(ii)	(a) Less transpiration (b) More transpiration	[2]
(iii)	ACTH – Adreno Cortico Tropic Hormone ADH – Antidiuretic Hormone	[2]
(iv)	Eustachian tube. Located in the middle ear.	[2]
(v)	(a) Heterozygous dominant – Rr (b) Round (c) 1:2:1	[3]
Question 7		
(i)	It is the number of live births per 1000 people of population per year.	[1]
(ii)	Sympathetic System – Heartbeat increases. Parasympathetic System – Heartbeat decreases and becomes normal.	[2]
(iii)	(a) Transpiration (b) It is the loss of water as water vapour from the aerial parts of a plant.	[2]
(iv)	Glomerulus – Renal cortex Henle's loop – Renal medulla	[2]

(v)		[3]
Question 8		
(i)	Causes skin cancer, cataract, reduced crop yields, harms marine life.	[1]
(ii)	- Chin absent - Prognathus face - Projecting eyebrow ridges	[2]
(iii)	Because they develop from a single fertilised egg.	[2]
(iv)	It may rupture the ear drum leading to deafness.	[2]
(v)	(a) Phototropism (b) Because the roots are positively Geotropic and Hydrotropic. (c) Auxins	[3]