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NEET BREATHING AND EXCHANGE OF GASES — REGULATION OF RESPIRATION — PYQS

Max. Marks: 16 **Questions:** 4

Section A (MCQ) — 4 questions

Q.1 Identify the region of human brain which has pneumotaxic centre that alters respiratory rate by reducing the duration of inspiration. [NEET (UG) 2022 (Phase 2)]

(1) Cerebrum (2) Medulla
(3) Pons (4) Thalamus

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Q.2 When you hold your breath, which of the following gas changes in blood would first lead to the urge to breathe? [AIPMT 2015 (Cancelled)]

(1) Falling CO_2 concentration
(2) Rising CO_2 and falling O_2 concentration
(3) Falling O_2 concentration
(4) Rising CO_2 concentration

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Q.3 Which two of the following changes (i – iv) usually tend to occur in the plain dwellers when they move to high altitudes (3,500 m or more)?

(i) Increase in red blood cell size
(ii) Increase in red blood cell production
(iii) Increased breathing rate
(iv) Increase in thrombocyte count

Changes occurring are [AIPMT 2010 (Prelims)]

(1) (ii) and (iii) (2) (iii) and (iv)
(3) (i) and (iv) (4) (i) and (ii)

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Q.4 When CO_2 concentration in blood increases breathing becomes [AIPMT 2004]

(1) shallower and slow
(2) there is no effect on breathing
(3) slow and deep
(4) faster and deeper

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ANSWER KEY

Ques.	1	2	3	4							
Ans.	**3**	**4**	**1**	**4**							