

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

Scan or tap for the
full solution



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 CO₂ concentration
(2) Rising CO₂ and falling O₂ concentration
(3) Falling O₂ concentration
(4) Rising CO₂ concentration

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full solution



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 CO₂ 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

Scan or tap for the
full solution



ANSWER KEY

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