

Examrace

AIIMS MBBS Entrance Test 2019 Biology Paper with Answer & Solutions 25 May First Shift Part 7

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Q-147:

Assertion: 100 ml of blood delivers 5 ml O_2 to tissues in normal conditions

Reason: One molecule of *Hb* can bind with 4 molecules of O_2

Options:

- (1) If both assertion and reason are true and reason is the correct explanation of assertion.
- (2) If both assertion and reason are true but reason is not the correct explanation of assertion.
- (3) If assertion is true but reason is false.
- (4) If both assertion and reason are false.

Answer: (2)

Q-148:

Assertion: Proto-oncogene's are present in normal cells

Reason: Proto-oncogene's may causes malignant tumour in animals, if activated.

Options:

- (1) If both assertion and reason are true and reason is the correct explanation of assertion.
- (2) If both assertion and reason are true but reason is not the correct explanation of assertion.
- (3) If assertion is true but reason is false.
- (4) If both assertion and reason are false.

Answer: (2)

Q-149:

Assertion: Na and K ions are necessary for muscle contraction.

Reason: Na and K concentration changes across the muscle cell membrane resulting in development of potential difference.

Options:

- (1) If both assertion and reason are true and reason is the correct explanation of assertion.
- (2) If both assertion and reason are true but reason is not the correct explanation of assertion.
- (3) If assertion is true but reason is false.
- (4) If both assertion and reason are false.

Answer: (1)

Q-150:

Assertion: Malpighian tubules are excretory organs in most of the insects.

Reason: These help in excretion of urea and creatinine.

Options:

- (1) If both assertion and reason are true and reason is the correct explanation of assertion.
- (2) If both assertion and reason are true but reason is not the correct explanation of assertion.
- (3) If assertion is true but reason is false.
- (4) If both assertion and reason are false.

Answer (3)

Q-151:

Assertion: Opioids are used as drugs of abuse.

Reason: These slow down metabolism and produce hallucinations.

Options:

- (1) If both assertion and reason are true and reason is the correct explanation of assertion.
- (2) If both assertion and reason are true but reason is not the correct explanation of assertion.
- (3) If assertion is true but reason is false.
- (4) If both assertion and reason are false.

Answer: (3)

Q-152:

Assertion: Amount of cyanocobalamin required daily is 3 mcg.

Reason: Its deficiency causes pernicious anaemia

Options:

- (1) If both assertion and reason are true and reason is the correct explanation of assertion.

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- (2) If both assertion and reason are true but reason is not the correct explanation of assertion.
- (3) If assertion is true but reason is false.
- (4) If both assertion and reason are false.

Answer: (2)

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