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NEET BIOTECHNOLOGY AND ITS APPLICATIONS — TRANSGENIC ANIMALS — PYQS

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

Section A (MCQ) — 4 questions

Q.1 The human protein named α-1-antitrypsin, obtained from transgenic animals, is used for the treatment of _____. [NEET (UG) 2026]

(1) Alzheimer's disease (2) Rheumatoid arthritis
(3) Emphysema (4) Cystic fibrosis

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Q.2 Milk of transgenic 'Cow Rosie' was nutritionally more balanced product for human babies than natural cow milk because it contained: [NEET (UG) 2022 (Phase 2)]

(1) Human enzyme Adenosine Deaminase (ADA)
(2) Human protein α-1-antitrypsin
(3) Human alpha-lactalbumin
(4) Human insulin-like growth factor

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Q.3 Maximum number of existing transgenic animals is of : [AIPMT 2011 (Prelims)]

(1) Mice (2) Cow (3) Pig (4) Fish

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Q.4 Genetic engineering has been successfully used for producing – [AIPMT 2010 (Prelims)]

(1) transgenic models for studying new treatments for certain cardiac disease
(2) animals like bulls for farm work as they have super power
(3) transgenic mice for testing safety of polio vaccine before use in humans
(4) transgenic Cow-Rosie which produces high fat milk for making ghee

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ANSWER KEY

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