

## Section - A (Biology : Zoology)

151. In the taxonomic categories which hierarchical arrangement in ascending order is correct in case of animals ?

- (1) Kingdom, Order, Phylum, Class, Family, Genus, Species
- (2) Kingdom, Phylum, Class, Order, Family, Genus, Species
- (3) Kingdom, Class, Phylum, Family, Order, Genus, Species
- (4) Kingdom, Order, Class, Phylum, Family, Genus, Species

152. In gene therapy of Adenosine Deaminase (ADA) deficiency, the patient requires periodic infusion of genetically engineered lymphocytes because :

- (1) Genetically engineered lymphocytes are not immortal cells.
- (2) Retroviral vector is introduced into these lymphocytes.
- (3) Gene isolated from marrow cells producing ADA is introduced into cells at embryonic stages
- (4) Lymphocytes from patient's blood are grown in culture, outside the body.

153. Identify the microorganism which is responsible for the production of an immunosuppressive molecule cyclosporin A :

- (1) *Streptococcus cerevisiae*
- (2) *Trichoderma polysporum*
- (3) *Clostridium butylicum*
- (4) *Aspergillus niger*

154. Given below are two statements :

**Statement I :**

Fatty acids and glycerols cannot be absorbed into the blood.

**Statement II :**

Specialized lymphatic capillaries called lacteals carry chylomicrons into lymphatic vessels and ultimately into the blood.

In the light of the above statements, choose the most appropriate answer from the options given below :

- (1) Statement I is incorrect but Statement II is correct
- (2) Both Statement I and Statement II are correct
- (3) Both Statement I and Statement II are incorrect
- (4) Statement I is correct but Statement II is incorrect