PYQSide PYQSide.com — free PYQs with solutions Powered by TestBlink

# NEET ECOSYSTEM — ECOLOGICAL PYRAMIDS — PYQS

**Max. Marks:** 48 **Questions:** 12

## Section A (MCQ) — 12 questions

**Q.1** Ecological pyramids represent the relationship between the organisms at different trophic levels and they are generally inverted for : [NEET (UG) 2026]

(1) Pyramid of number in grassland
(2) Pyramid of energy in pond ecosystem
(3) Pyramid of biomass in grassland
(4) Pyramid of biomass in sea

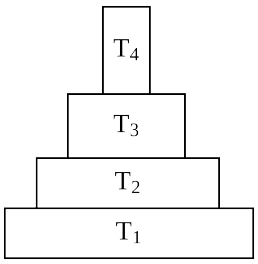
Scan or tap for the full solution

**Q.2** Which of the following statements are correct?
A. Energy flow from producers to consumers is unidirectional
B. Energy pyramid can never be inverted
C. Transfer of energy follows the 1% law
[RE-NEET (UG) 2026]

(1) B and C only (2) A, B and C
(3) A and B only (4) A and C only

Scan or tap for the full solution

**Q.3** Consider the pyramid of energy of an ecosystem given below:




If $T_4$ is equivalent to 1000 J, what is the value at $T_1$ ? [RE-NEET (UG) 2024]

(1) $\frac{10000}{10}$ J (2) $\frac{10000}{10} \times 4$ J
(3) 10,000 J (4) 10,00,000 J

Scan or tap for the full solution

**Q.4** Which one of the following is not a limitation of ecological pyramids? [RE-NEET (UG) 2024]

(1) Saprophytes are not given any place in ecological pyramids
(2) It assumes a simple food chain, that almost never exists in nature
(3) It accommodates a food web
(4) It does not take into account the same species belonging to two or more trophic levels

Scan or tap for the full solution

**Q.5** Which of the following statements is not correct? [NEET (UG) 2021]

(1) Pyramid of numbers in a grassland ecosystem is upright
(2) Pyramid of biomass in sea is generally inverted.
(3) Pyramid of biomass in sea is generally upright.
(4) Pyramid of energy is always upright.

Scan or tap for the full solution

**Q.6** Which of the following ecological pyramids is generally inverted? [NEET (UG) 2019]

(1) Pyramid of biomass in a forest
(2) Pyramid of biomass in a sea
(3) Pyramid of numbers in grassland
(4) Pyramid of energy

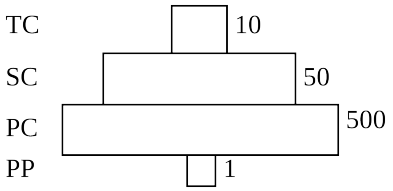
Scan or tap for the full solution

**Q.7** What type of ecological pyramid would be obtained with the following data?
Secondary consumer : 120 g
Primary consumer : 60 g
Primary producer : 10 g [NEET 2018]

(1) Inverted pyramid of biomass
(2) Pyramid of energy
(3) Upright pyramid of numbers
(4) Upright pyramid of biomass

Scan or tap for the full solution

**Q.8** Given below is an imaginary pyramid of numbers. What could be one of the possibilities about certain organisms at some of the different levels? [AIPMT 2012 (Prelims)]




(1) Level PC is "rats" and level SC is "cats"

(2) Level PP is "phytoplankton" in sea and "whale" on top level TC

(3) Level PP is "pipal trees" and the level SC is "sheep"

(4) Level PC is "insects" and level SC is "small insectivorous birds"

Scan or tap for the full solution

**Q.9** The upright pyramid of numbers is absent in [AIPMT 2012 (Prelims)]

(1) Pond (2) Grassland

(3) Lake (4) Forest

Scan or tap for the full solution

**Q.10** Which one of the following statements for pyramid of energy is incorrect, whereas the remaining three are correct? [AIPMT 2011 (Prelims)]

(1) It shows energy content of different trophic level organisms

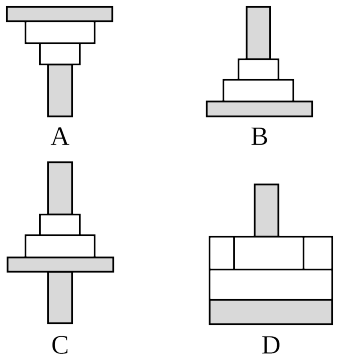
(2) It is upright in shape

(3) It is inverted in shape

(4) Its base is broad

Scan or tap for the full solution

**Q.11** Which of the following representations shows the pyramid of numbers in a forest ecosystem? [AIPMT 2010 (Mains)]




(1) B (2) A (3) D (4) C

Scan or tap for the full solution

**Q.12** Which one of the following is not used for construction of ecological pyramids ? [AIPMT 2006]

(1) Rate of energy flow (2) Dry weight

(3) Fresh weight (4) Number of individuals

Scan or tap for the full solution

## ANSWER KEY

| Ques. | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Ans. | **4** | **3** | **4** | **3** | **3** | **2** | **1** | **4** | **4** | **3** | **1** |
| Ques. | 12 | | | | | | | | | | |
| Ans. | **3** | | | | | | | | | | |