

NEET MORPHOLOGY OF FLOWERING PLANTS — THE FLOWER: PARTS, SYMMETRY, POSITION OF OVARY — PYQS

Max. Marks: 92

Questions: 23

Section A (MCQ) — 23 questions

Q.1 Which of the following is an example of a zygomorphic flower? [NEET (UG) 2025]

- (1) Pea (2) Chilli (3) Petunia (4) Datura

Scan or tap for the full solution 

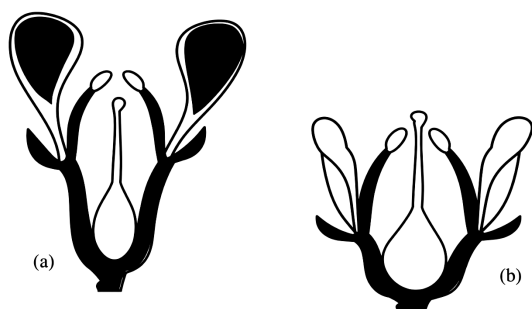
Q.2 Which of the following is an example of actinomorphic flower? [NEET (UG) 2024]

- (1) *Datura* (2) *Cassia* (3) *Pisum* (4) *Sesbania*

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Q.3 Identify the type of flowers based on the position of calyx, corolla and androecium with respect to the ovary from the given figures (a) and (b)

[NEET (UG) 2024]



- (1) (a) Epigynous; (b) Hypogynous
 (2) (a) Hypogynous; (b) Epigynous
 (3) (a) Perigynous; (b) Epigynous
 (4) (a) Perigynous; (b) Perigynous

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Q.4 Match List I with List II

List - I		List - II	
A.	Rose	I.	Twisted aestivation
B.	Pea	II.	Perigynous flower
C.	Cotton	III.	Drupe
D.	Mango	IV.	Marginal placentation

Choose the correct answer from the options given below :

[NEET (UG) 2024]

- (1) A-II, B-IV, C-I, D-III (2) A-I, B-II, C-III, D-IV
 (3) A-IV, B-III, C-II, D-I (4) A-II, B-III, C-IV, D-I

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Q.5 Match List I with List II

List-I (Types of Stamens)		List-II (Example)	
A.	Monadelphous	I.	Citrus
B.	Diadelphous	II.	Pea
C.	Polyadelphous	III.	Lily
D.	Epiphyllous	IV.	China-rose

Choose the correct answer from the options given below:

[NEET (UG) 2024]

- (1) A-IV, B-II, C-I, D-III (2) A-IV, B-I, C-II, D-III
 (3) A-I, B-II, C-IV, D-III (4) A-III, B-I, C-IV, D-II

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Q.6 Match List-I with List-II :

List - I		List - II	
A.	Vexillary aestivation	I.	Brinjal
B.	Epipetalous stamens	II.	Peach
C.	Epiphyllous stamens	III.	Pea
D.	Perigynous flower	IV.	Lily

Choose the correct answer from the options given below :

[RE-NEET (UG) 2024]

- (1) A-III, B-I, C-IV, D-II (2) A-III, B-IV, C-I, D-II
 (3) A-III, B-II, C-I, D-IV (4) A-II, B-I, C-IV, D-III

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Q.7 Given below are two statements : One is labelled as Assertion A and the other is labelled as Reason R:
Assertion (A): A flower is defined as modified shoot wherein the shoot apical meristem changes to floral meristem.

Reason (R): Internode of the shoot gets condensed to produce different floral appendages laterally at successive nodes instead of leaves.

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

[NEET (UG) 2023]

- (1) Both A and R are true but R is NOT the correct explanation of A
 (2) A is true but R is false
 (3) A is false but R is true
 (4) Both A and R are true and R is the correct explanation of A

Scan or tap for the full solution



Q.8 The flowers are Zygomorphic in :

- A. Mustard B. Gulmohar
 C. Cassia D. Datura
 E. Chilli

Choose the correct answer from the options given below :

[NEET (UG) 2022]

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

Scan or tap for the full solution



Q.9 Diadelphous stamens are found in

[NEET (UG) 2021]

- (1) China rose and citrus (2) China rose
 (3) Citrus (4) Pea

Scan or tap for the full solution



Q.10 Ray florets have

[NEET (UG) 2020]

- (1) Superior ovary (2) Hypogynous ovary
 (3) Half inferior ovary (4) Inferior ovary

Scan or tap for the full solution



Q.11 The ovary is half inferior in:

[NEET (UG) 2020]

- (1) Mustard (2) Sunflower
 (3) Plum (4) Brinjal

Scan or tap for the full solution



Q.12 The term 'polyadelphous' is related to

[NEET 2016 (Phase 2)]

- (1) gynoecium (2) androecium
 (3) corolla (4) calyx.

Scan or tap for the full solution



Q.13 How many plants among *Indigofera*, *Sesbania*, *Salvia*, *Allium*, *Aloe*, mustard, groundnut, radish, gram and turnip have stamens with different lengths in their flowers?

[NEET 2016 (Phase 2)]

- (1) Three (2) Four (3) Five (4) Six

Scan or tap for the full solution



Q.14 Radial symmetry is found in the flowers of

[NEET 2016 (Phase 2)]

- (1) *Brassica* (2) *Trifolium*
 (3) *Pisum* (4) *Cassia*.

Scan or tap for the full solution



Q.15 Among China rose, mustard, brinjal, potato, guava, cucumber, onion and tulip, how many plants have superior ovary?

[AIPMT 2015]

- (1) Three (2) Four (3) Five (4) Six

Scan or tap for the full solution



Q.16 Perigynous flowers are found in

[AIPMT 2015 (Cancelled)]

- (1) China rose (2) rose
 (3) guava (4) cucumber.

Scan or tap for the full solution



Q.17 Among bitter gourd, mustard, brinjal, pumpkin, china rose, lupin, cucumber, sunhemp, gram, guava, bean, chilli, plum, petunia, tomato, rose, *Withania*, potato, onion, aloe and tulip how many plants have hypogynous flower?

[NEET 2013]

- (1) Fifteen (2) Eighteen
 (3) Six (4) Ten

Scan or tap for the full solution



Q.18 The gynoecium consists of many free pistils in flowers of

[AIPMT 2012 (Prelims)]

- (1) *Aloe* (2) tomato (3) *Papaver* (4) *Michelia*

Scan or tap for the full solution



Q.19 Which one of the following statements is correct?

[AIPMT 2011 (Prelims)]

- (1) In tomato, fruit is a capsule.
 (2) Seeds of orchids have oil-rich endosperm.
 (3) Placentation in primrose is basal.
 (4) Flower of tulip is a modified shoot.

Scan or tap for the full solution



Q.20 Flowers are zygomorphic in

[AIPMT 2011 (Prelims)]

- (1) mustard (2) gulmohur
 (3) tomato (4) *Datura*

Scan or tap for the full solution



Q.21 Ovary is half-inferior in the flowers of

[AIPMT 2010 (Prelims)]

- (1) guava (2) plum (3) brinjal (4) cucumber

Scan or tap for the full solution



Q.22 The ovary is half inferior in flowers of

[AIPMT 2011 (Prelims)]

- (1) peach (2) cucumber
(3) cotton (4) guava

Scan or tap for the
full solution



Q.23 The technical term used for the androecium in a flower of China rose (*Hibiscus rosa-sinensis*) is

[AIPMT 2010 (Prelims)]

- (1) monadelphous (2) diadelphous
(3) polyandrous (4) polyadelphous

Scan or tap for the
full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	1	1	4	1	1	1	4	2	4	4	3
Ques.	12	13	14	15	16	17	18	19	20	21	22
Ans.	2	2	1	4	2	1	4	4	2	2	1
Ques.	23										
Ans.	1										