

NEET MORPHOLOGY OF FLOWERING PLANTS — AESTIVATION AND PLACENTATION — PYQS

Max. Marks: 84

Questions: 21

Section A (MCQ) — 21 questions

Q.1 Match **List I** with **List II** : [NEET (UG) 2026]

List-I (Placentation)		List-II (Example)	
A.	Marginal	I.	Mustard
B.	Axile	II.	Pea
C.	Parietal	III.	Marigold
D.	Basal	IV.	Lemon

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

Scan or tap for the full solution 

Q.2 Match **List-I** with **List-II**. [RE-NEET (UG) 2026]

List-I		List-II	
A.	Marginal placentation	I.	<i>Argemone</i>
B.	Axile placentation	II.	Tomato
C.	Parietal placentation	III.	Primrose
D.	Free central placentation	IV.	Pea

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

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Q.3 Match **List-I** with **List-II** :

List - I		List - II	
A.	China rose	I.	Free central
B.	Mustard	II.	Basal
C.	Primrose	III.	Axile
D.	Marigold	IV.	Parietal

Choose the correct answer from the options given below :

[RE-NEET (UG) 2024]

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

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Q.4 Axile placentation is observed in [NEET (UG) 2023]

- (1) China rose, Beans and Lupin
(2) Tomato, Dianthus and Pea
(3) China rose, Petunia and Lemon
(4) Mustard, Cucumber and Primrose

Scan or tap for the full solution 

Q.5 Which one of the following plants shows vexillary aestivation and diadelphous stamens?

[NEET (UG) 2022]

- (1) *Colchicum autumnale*
(2) *Pisum sativum*
(3) *Allium cepa*
(4) *Solanum nigrum*

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

List - I		List - II	
a.	Imbricate	i.	Calotropis
b.	Valvate	ii.	Cassia
c.	Vexillary	iii.	Cotton
d.	Twisted	iv.	Bean

Choose the correct answer from the options given below

[NEET (UG) 2022 (Phase 2)]

- (1) (a) - (i), (b) - (iii), (c) - (iv), (d) - (ii)
(2) (a) - (ii), (b) - (i), (c) - (iii), (d) - (iv)
(3) (a) - (ii), (b) - (i), (c) - (iv), (d) - (iii)
(4) (a) - (ii), (b) - (iv), (c) - (iii), (d) - (i)

Scan or tap for the full solution 

Q.7 Placentation, in which ovules develop on the inner wall of the ovary or in peripheral part, is :

[NEET (UG) 2019]

- (1) Parietal (2) Free central
(3) Basal (4) Axile

Scan or tap for the full solution 

Q.8 The standard petal of a papilionaceous corolla is also called [NEET 2016 (Phase 1)]

- (1) vexillum (2) corona
(3) carina (4) pappus.

Scan or tap for the full solution



Q.9 Free-central placentation is found in

[NEET 2016 (Phase 2)]

- (1) *Dianthus* (2) *Argemone*
(3) *Brassica* (4) *Citrus*.

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Q.10 Axile placentation is present in [AIPMT 2015]

- (1) pea (2) *Argemone*
(3) *Dianthus* (4) lemon.

Scan or tap for the full solution



Q.11 When the margins of sepals or petals overlap one another without any particular direction, the condition is termed as [AIPMT 2014]

- (1) vexillary (2) imbricate
(3) twisted (4) valvate.

Scan or tap for the full solution



Q.12 In China rose the flowers are [NEET 2013]

- (1) zygomorphic, hypogynous with imbricate aestivation
(2) zygomorphic, epigynous with twisted aestivation
(3) actinomorphic, hypogynous with twisted aestivation
(4) actinomorphic, epigynous with valvate aestivation

Scan or tap for the full solution



Q.13 Among flowers of *Calotropis*, tulip, *Sesbania*, *Asparagus*, *Colchicum*, sweet pea, *Petunia*, *Indigofera*, mustard, soybean, tobacco and groundnut, how many plants have corolla with valvate aestivation? [NEET 2013 (Karnataka)]

- (1) Six (2) Seven (3) Eight (4) Five

Scan or tap for the full solution



Q.14 How many plants in the list given below have marginal placentation?

Mustard, Gram, Tulip, *Asparagus*, Arhar, Sun hemp, Chilli, *Colchicum*, Onion, Moong, Pea, Tobacco, Lupin [AIPMT 2012 (Mains)]

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

Scan or tap for the full solution



Q.15 Placentation in tomato and lemon is

[AIPMT 2012 (Prelims)]

- (1) parietal (2) free central
(3) marginal (4) axile

Scan or tap for the full solution



Q.16 Vexillary aestivation is characteristic of the family

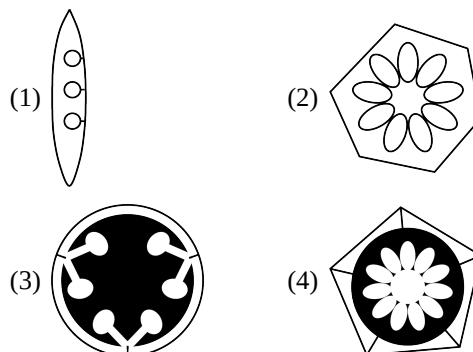
[AIPMT 2012 (Prelims)]

- (1) Fabaceae (2) Asteraceae
(3) Solanaceae (4) Brassicaceae

Scan or tap for the full solution



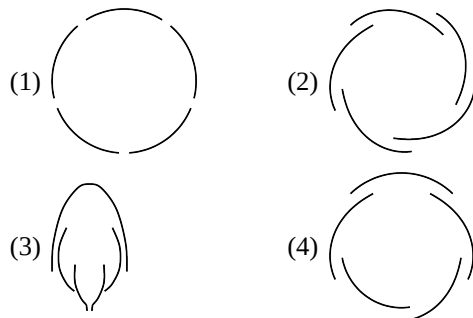
Q.17 Which one of the following figures represents the placentation in *Dianthus*? [AIPMT 2011 (Mains)]



Scan or tap for the full solution



Q.18 Aestivation of petals in the flower of cotton is correctly shown in [AIPMT 2010 (Mains)]



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Q.19 Keel is characteristic of the flowers of

[AIPMT 2010 (Prelims)]

- (1) gulmohur (2) *Cassia*
(3) *Calotropis* (4) bean

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Q.20 An example of axile placentation is [AIPMT 2009]

- (1) *Dianthus* (2) lemon
(3) marigold (4) *Argemone*

Scan or tap for the full solution



Q.21 Replum is present in the ovary of flower of

[AIPMT 2008]

- (1) sunflower (2) pea
(3) lemon (4) mustard

Scan or tap for the
full solution



ANSWER KEY

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