

NEET MORPHOLOGY OF FLOWERING PLANTS — THE FRUIT AND THE SEED (DICOT AND MONOCOT) — PYQS

Max. Marks: 124

Questions: 31

Section A (MCQ) — 31 questions

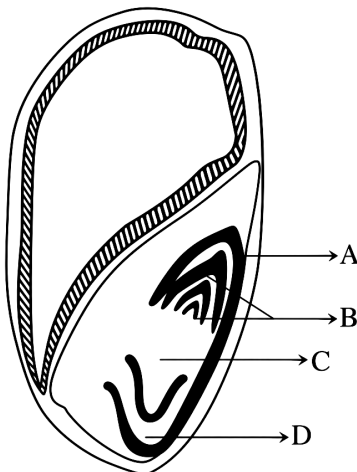
Q.1 In the seeds of cereals, the outer covering of endosperm separates the embryo by a protein-rich layer called: [NEET (UG) 2025]

- (1) Integument (2) Aleurone layer
(3) Coleoptile (4) Coleorhiza

Scan or tap for the full solution



Q.2 Identify the part of the seed from the given figure which is destined to form root when the seed germinates. [NEET (UG) 2024]



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

Scan or tap for the full solution



Q.3 Coconut fruit is a [NEET 2017]

- (1) berry (2) nut (3) capsule (4) drupe

Scan or tap for the full solution



Q.4 Cotyledon of maize grain is called

[NEET 2016 (Phase 1)]

- (1) coleoptile (2) scutellum
(3) plumule (4) coleorhiza.

Scan or tap for the full solution



Q.5 The hilum is a scar on the [AIPMT 2015 (Cancelled)]

- (1) seed, where funicle was attached
(2) fruit, where style was present
(3) fruit, where it was attached to pedicel
(4) seed, where micropyle was present

Scan or tap for the full solution



Q.6 Placenta and pericarp are both edible portions in

[AIPMT 2014]

- (1) apple (2) banana (3) tomato (4) potato

Scan or tap for the full solution



Q.7 Which one of the following statements is correct?

[AIPMT 2014]

- (1) The seed in grasses is not endospermic.
(2) Mango is a parthenocarpic fruit.
(3) A proteinaceous aleurone layer is present in maize grain.
(4) A sterile pistil is called a staminode.

Scan or tap for the full solution



Q.8 An aggregate fruit is one which develops from

[AIPMT 2014]

- (1) multicarpellary syncarpous gynoecium
(2) multicarpellary apocarpous gynoecium
(3) complete inflorescence
(4) multicarpellary superior ovary.

Scan or tap for the full solution



Q.9 Seed coat is not thin, membranous in [NEET 2013]

- (1) groundnut (2) gram
(3) maize (4) coconut.

Scan or tap for the full solution



Q.10 How many plants in the list given below have composite fruits that develop from an inflorescence? Walnut, poppy, radish, fig, pineapple, apple, tomato, mulberry. [AIPMT 2012 (Prelims)]

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

Scan or tap for the full solution



Q.11 The coconut water and the edible part of coconut are equivalent to [AIPMT 2012 (Prelims)]

- (1) endosperm (2) endocarp
(3) mesocarp (4) embryo

Scan or tap for the full solution



Q.12 A drupe develops in [AIPMT 2011 (Prelims)]

- (1) mango (2) wheat (3) pea (4) tomato

Scan or tap for the full solution



Q.13 The scutellum observed in a grain of wheat or maize is comparable to which part of the seed in other monocotyledons? [AIPMT 2010 (Prelims)]

- (1) Cotyledon (2) Endosperm
(3) Aleurone layer (4) Plumule

Scan or tap for the full solution



Q.14 A fruit developed from hypanthodium inflorescence is called [AIPMT 2009]

- (1) sorosis (2) syconus
(3) caryopsis (4) hesperidium

Scan or tap for the full solution



Q.15 Cotyledons and testa respectively are edible parts in [AIPMT 2009]

- (1) walnut and tamarind
(2) french bean and coconut
(3) cashew nut and litchi
(4) groundnut and pomegranate

Scan or tap for the full solution



Q.16 An example of a seed with endosperm, perisperm, and caruncle is [AIPMT 2009]

- (1) coffee (2) lily (3) castor (4) cotton

Scan or tap for the full solution



Q.17 The fleshy receptacle of syconus of fig encloses a number of [AIPMT 2008]

- (1) berries (2) mericarps
(3) achenes (4) samaras

Scan or tap for the full solution



Q.18 Dry indehiscent single-seeded fruit formed from bicarpellary syncarpous inferior ovary is [AIPMT 2008]

- (1) berry (2) cremocarp
(3) caryopsis (4) cypsella

Scan or tap for the full solution



Q.19 The fruit is chambered, developed from inferior ovary and has seeds with succulent testa in [AIPMT 2008]

- (1) guava (2) cucumber
(3) pomegranate (4) orange

Scan or tap for the full solution



Q.20 Endosperm is consumed by developing embryo in the seed of [AIPMT 2008]

- (1) pea (2) maize (3) coconut (4) castor

Scan or tap for the full solution



Q.21 Pineapple (ananas) fruit develops from [AIPMT 2006]

- (1) a multilocular monocarpellary flower
(2) a unilocular polycarpellary flower
(3) a multipistillate syncarpous flower
(4) a cluster of compactly borne flowers on a common axis

Scan or tap for the full solution



Q.22 In which of the following fruits, the edible part is the aril? [AIPMT 2006]

- (1) Litchi (2) Custard apple
(3) Pomegranate (4) Orange

Scan or tap for the full solution



Q.23 Which of the following represents the edible part of the fruit of litchi? [AIPMT 2005]

- (1) Mesocarp (2) Endocarp
(3) Pericarp (4) Juicy aril

Scan or tap for the full solution



Q.24 Edible part of mango is [AIPMT 2004]

- (1) endocarp (2) receptacle
(3) epicarp (4) mesocarp

Scan or tap for the full solution



Q.25 Juicy hair-like structures observed in the lemon fruit develop from [AIPMT 2003]

- (1) exocarp
(2) mesocarp
(3) endocarp
(4) mesocarp and endocarp.

Scan or tap for the full solution



- Q.26** The aleurone layer in maize grain is specially rich in :-
 (1) Lipids (2) Proteins (3) Auxins (4) Starch

Scan or tap for the full solution



- Q.27** Geocarpic fruit is
 (1) potato (2) peanut (3) onion (4) garlic.

Scan or tap for the full solution



- Q.28** Edible part in mango is
 (1) mesocarp (2) epicarp
 (3) endocarp (4) epidermis

Scan or tap for the full solution



- Q.29** Edible part of banana is
 (1) epicarp
 (2) mesocarp and less developed endocarp
 (3) endocarp and less developed mesocarp
 (4) epicarp and mesocarp

Scan or tap for the full solution



- Q.30** Which is correct pair for edible part?
 (1) Tomato-thalamus (2) Maize-cotyledons
 (3) Guava-mesocarp (4) Date palm-mesocarp

Scan or tap for the full solution



- Q.31** Geocarpic fruit is
 (1) carrot (2) radish
 (3) ground nut (4) turnip.

Scan or tap for the full solution



ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	2	3	4	2	1	3	3	2	4	4	1
Ques.	12	13	14	15	16	17	18	19	20	21	22
Ans.	1	1	2	4	3	3	4	3	1	4	1
Ques.	23	24	25	26	27	28	29	30	31		
Ans.	4	4	3	2	2	1	3	4	3		