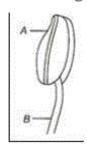
Sexual Reproduction in Flowering Plants

1. Flower - A Fascinating Organ of Angiosperms

Identify A and B in diagram given below:



Q1.

(A) A-Stamen; B-Pistil

(B) A-Filament; B-Anther

(C) A-Anther; B-Filament

(D) A-Pistil, B-Stamen

Correct Answer: (C) Level: Easy Tagging: Remembering

Q2. Characteristics of wind pollinated pollens is, they are

(A) Non-sticky

(B) Light

(C) Large number in production

(D) All of these

Correct Answer: (D) Level: Easy Tagging: Understanding

Q3. Cleistogamous flowers are strictly autogamous because they remain

(A) Always open

(B) Always close

(C) Always fragrance

(D) Are brighty coloured

Correct Answer: (B) Level: Easy Tagging: Remembering

Q4. Embryo sac is also known as

(A) Micro-gametophyte

(B) Mega-gametophyte

(C) Micro-sporangium

(D) Mega-sporangium

Correct Answer: **(B)** Level: **Easy** Tagging: **Understanding**

Q5. Endosperm is consumed by developing embryo in the seed of

(A) Pea

(B) Maize

(C)	Coconut		
(D)	Castor		
Corr	rect Answer: (A)	Level: Easy	Tagging: Understanding
Q6.	False fruit is a fruit in which		
(A)	Only ovary take part in fruit developm	nent	
(B)	Only embryo take part an fruit develo	pment	
(C)	Only chalazal cells take part an fruit d	levelopment	
(D)	Ovary and other floral part included in	n fruit	
Corr	rect Answer: (D)	Level: Easy	Tagging: Understanding
Q7.	Flower is a		
(A)	Modified male plant only		
(B)	Modified female plant only		
(C)	Modified reproductive shoot		
(D)	Vegetative shoot system		
Corr	rect Answer: (C)	Level: Easy	Tagging: Analyzing
Q8.	In chasmogamy pollination takes place	ce in	
(A)	Open flower		
(B)	Closed flower		
(C)	Large flower		
(D)	Geitonogamy flower		
Corr	rect Answer: (A)	Level: Easy	Tagging: Understanding
Q9.	In wind pollination the pollens are fea	athery, whether it is	
(A)	True		
(B)	False		
(C)	Sometimes (a) and sometimes (b)		
(D)	Neither (a) nor (b)		
Corr	rect Answer: (A)	Level: Easy	Tagging: Understanding
Q10	• Individual part or segment of calyx	is called	
(A)	Sepal		
(B)	Petal		
(C)	Tepal		
(D)	Corolla		
Corr	rect Answer: (A)	Level: Easy	Tagging: Understanding
Q11	. Insect pollinated flowers are		
(A)	Nector producing		

(B) Colourful		
(C) Fragnance producing		
(D) All of these		
Correct Answer: (D)	Level: Easy	Tagging: Understanding
Q12. Micropyle helps in		
(A) Germination of pollen grain		
(B) Growth of pollen tube		
(C) Coming out of pollen tube from po	llen grain	
(D) Allowing entry of pollen tube		
Correct Answer: (D)	Level: Easy	Tagging: Understanding
Q13. Microspore develops into ova. Th	is sentence is	
(A) True		
(B) False		
(C) Sometimes (a) and sometimes (b)		
(D) Neither (a) nor (b)		
Correct Answer: (B)	Level: Easy	Tagging: Understanding
Q14. Ornithophily refers to the pollina	tion by which of the following?	
(A) Insects		
(B) Birds		
(C) Snails		
(D) Air		
Correct Answer: (B)	Level: Easy	Tagging: Remembering
Q15. Parthenocarpic fruit		
(A) Develops from fertilization		
(B) Developed from fertilized ovary		
(C) Develops from unfertilized ovary		
(D) Develops from ovules		
Correct Answer: (C)	Level: Easy	Tagging: Understanding
Q16. Pollen grains of different plants,	differ in	
(A) Size and shape only		
(B) Colour and design only		
(C) Size, shape and design only		
(D) Size, shape, colour and design		
Correct Answer: (D)	Level: Easy	Tagging: Analyzing
017 Pollen bit material is secreted by		

Q17. Pollen kit material is secreted by

(A) Tapetum			
(B) Endotheci	um		
(C) Epidermis			
(D) Endoderm	is		
Correct Answe	·: (A)	Level: Easy	Tagging: Understanding
Q18. Seed is			
(A) Ripened o	vule		
(B) Plant part	having two generation		
(C) Both (a) a	nd (b)		
(D) Miniature	plant		
Correct Answe	r: (A)	Level: Easy	Tagging: Understanding
Q19. Single n	negasporic development is o	called	
(A) Single spo	ric		
(B) Unisporic			
(C) Monospor	С		
(D) Nulleipori	3		
Correct Answe	r: (C)	Level: Easy	Tagging: Understanding
Q20. Sporopo	ollenin is chemically		
(A) Homopoly	saccharide		
(B) Fatty subs	tance		
(C) Protein			
(D) Heteropol	ysaccharide		
Correct Answe	r: (B)	Level: Easy	Tagging: Understanding
Q21. Tapetun	n is found in		
(A) Anther			
(B) Microspor	Э		
(C) Male gam	etophyte		
(D) Female ga	ametophyte		
Correct Answe	~: (A)	Level: Easy	Tagging: Understanding
Q22. Which o	f the following statements is	s wrong?	
(A) Pollen gra	ins remain viable for severa	I months because their outer covering is	s made of sporopollenin
(B) No enzym	e can degrade sporopollenir	١	
(C) Pollen gra	ins are well represented in f	fossil strata due to sporopollenin	
(D) Pollen wa	I has cavities containing pro	oteins	
Caa.	(D)	Lavel, Face	Tanaina. Damaanah salasa

Correct Answer: **(D)** Level: **Easy** Tagging: **Remembering**

Q23. Wind pollinated flower have long (A) TRUE	well exposed stigma. This statement is	
(B) FALSE		
(C) Sometimes (a) and sometimes (b)		
(D) Neither (a) nor (b)		
Correct Answer: (A)	Level: Easy	Tagging: Understanding
Q24. Entry of pollen tube with two ma	le gametes and tube nucleus through mic	ropyle, is
(A) Mesogamy		
(B) Porogamy		
(C) Chalazogamy		
(D) None of these		
Correct Answer: (C)	Level: Moderate	Tagging: Understanding
Q25. Hermaphrodite flower have		
(A) Male and female on same plant		
(B) Male and female on same flower		
(C) Male and female on different flower	r	
(D) Male and female on difference plan	nt	
Correct Answer: (B)	Level: Moderate	Tagging: Understanding
Q26. If stem has 2n=10 number of ch	Level: Moderate stromosomes than find out A – number of control of the control	thromosomes in endosperm
Q26. If stem has 2n=10 number of ch B – number of chromosomes in egg cell (A) 15, 15, 20 (B) 10, 15, 20 (C) 15, 5, 10	romosomes than find out A – number of c	thromosomes in endosperm
Q26. If stem has 2n=10 number of ch B – number of chromosomes in egg cell (A) 15, 15, 20 (B) 10, 15, 20 (C) 15, 5, 10 (D) 10, 5, 15	romosomes than find out A – number of c C – number of chromosomes in polar nuc Level: Moderate	chromosomes in endosperm clei
Q26. If stem has 2n=10 number of ch B – number of chromosomes in egg cell (A) 15, 15, 20 (B) 10, 15, 20 (C) 15, 5, 10 (D) 10, 5, 15 Correct Answer: (C)	romosomes than find out A – number of c C – number of chromosomes in polar nuc Level: Moderate	chromosomes in endosperm clei
Q26. If stem has 2n=10 number of chemosomes in egg cells (A) 15, 15, 20 (B) 10, 15, 20 (C) 15, 5, 10 (D) 10, 5, 15 Correct Answer: (C) Q27. Long silky hairs on cob of maize	romosomes than find out A – number of c C – number of chromosomes in polar nuc Level: Moderate	chromosomes in endosperm clei
Q26. If stem has 2n=10 number of chemosomes in egg cells (A) 15, 15, 20 (B) 10, 15, 20 (C) 15, 5, 10 (D) 10, 5, 15 Correct Answer: (C) Q27. Long silky hairs on cob of maize (A) Anthers	romosomes than find out A – number of c C – number of chromosomes in polar nuc Level: Moderate	chromosomes in endosperm clei
Q26. If stem has 2n=10 number of chemosomes in egg cells (A) 15, 15, 20 (B) 10, 15, 20 (C) 15, 5, 10 (D) 10, 5, 15 Correct Answer: (C) Q27. Long silky hairs on cob of maize (A) Anthers (B) Style	romosomes than find out A – number of c C – number of chromosomes in polar nuc Level: Moderate	chromosomes in endosperm clei
Q26. If stem has 2n=10 number of chemosomes in egg cells (A) 15, 15, 20 (B) 10, 15, 20 (C) 15, 5, 10 (D) 10, 5, 15 Correct Answer: (C) Q27. Long silky hairs on cob of maize (A) Anthers (B) Style (C) Stigma	romosomes than find out A – number of c C – number of chromosomes in polar nuc Level: Moderate	chromosomes in endosperm clei
Q26. If stem has 2n=10 number of chemosomes in egg cells (A) 15, 15, 20 (B) 10, 15, 20 (C) 15, 5, 10 (D) 10, 5, 15 Correct Answer: (C) Q27. Long silky hairs on cob of maize (A) Anthers (B) Style (C) Stigma (D) Both (b) and (c)	romosomes than find out A – number of concentration of the concentration	chromosomes in endosperm clei Tagging: Understanding
Q26. If stem has 2n=10 number of chemosomes in egg cells (A) 15, 15, 20 (B) 10, 15, 20 (C) 15, 5, 10 (D) 10, 5, 15 Correct Answer: (C) Q27. Long silky hairs on cob of maize (A) Anthers (B) Style (C) Stigma (D) Both (b) and (c) Correct Answer: (B)	romosomes than find out A – number of concentration of the concentration	chromosomes in endosperm clei Tagging: Understanding
Q26. If stem has 2n=10 number of chemosomes in egg cells (A) 15, 15, 20 (B) 10, 15, 20 (C) 15, 5, 10 (D) 10, 5, 15 Correct Answer: (C) Q27. Long silky hairs on cob of maize (A) Anthers (B) Style (C) Stigma (D) Both (b) and (c) Correct Answer: (B) Q28. Mass of cells enclosed by integure	romosomes than find out A – number of concentration of the concentration	chromosomes in endosperm clei Tagging: Understanding

(D)	Pollen		
Corr	rect Answer: (A)	Level: Moderate	Tagging: Remembering
Q29	. Maximum viability of rice and whe	eat is	
(A)	60 min		
(B)	50 min		
(C)	40 min		
(D)	30 min		
Corr	rect Answer: (D)	Level: Moderate	Tagging: Analyzing
Q30	• One advantage of cleistogamy is		
(A)	It leads to greater genetic diversity		
(B)	Seed dispersal is more efficient and	widespread	
(C)	Seed set is not dependent on pollina	ators	
(D)	Each visit of a pollinator results in to	ransfer of hundreds of pollen grains	
Corr	rect Answer: (C)	Level: Moderate	Tagging: Understanding
Q31	. Parthenium or carrot grass is impo	orted with	
(A)	Wheat		
(B)	Grass		
(C)	Rise		
(D)	Maize		
Corr	rect Answer: (A)	Level: Moderate	Tagging: Remembering
Q32	• Pollens have two prominent walls	which are A and B Here A and E	refers to
(A)	A-Intine B-Protein coat		
(B)	A-Exine B-Intine		
(C)	A-Sporopollenin B-Intine		
(D)	A-Sporopollenin B-Exine		
Corr	rect Answer: (B)	Level: Moderate	Tagging: Understanding
Q33	Pollination by bats is called		
(A)	Anemophily		
(B)	Hydrophily		
(C)	Ornithophily		
(D)	None of these		
Corr	rect Answer: (D)	Level: Moderate	Tagging: Remembering
Q34	Pollination by insect is		
(A)	Entomophily		
(B)	Chiropterophily		

(C) Anemophily

(D) Zoophily

Correct Answer: (A) Level: Moderate Tagging: Remembering

Q35. Pollination by snail and slug is called

(A) Ornithophily

(B) Chiropterophily

(C) Entomophily

(D) Malacophily

Correct Answer: (D) Level: Moderate Tagging: Remembering

Q36. The cylindrical portion below the cotyledons is ...A... that terminates to ...B... and tip called ...C... A, B and C here refers to

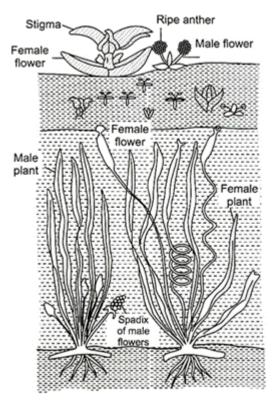
(A) A-radicle, B-hypocotyle, C-root cap

(B) A- root cap, B- radicle, C- hypocotyle

(C) A- hypocotyle, B-root cap, C-radicle

(D) A- hypocotyle, B-radicle, C-root cap

Correct Answer: (D) Level: Moderate Tagging: Analyzing



Q37. The diagram depicts

- (A) Water pollination in Vallisneria (tape-grass)
- (B) Air pollination in Vallisneria (tape-grass)
- (C) Anemophily in Vallisneria (tape-grass)
- (D) Zoophily in Vallisneria (tape-grass)

Correct Answer: (A) Level: Moderate Tagging: Understanding

	f pollen sac, tapetum is	
(A) Dehiscence		
(B) Nutritive		
(C) Mechanical		
(D) Protective		
Correct Answer: (B)	Level: Moderate	Tagging: Understanding
Q39. The fusion of male and female p	ronuclei of the gametes is called	
(A) Fertilization		
(B) Conjugation		
(C) Amphimixis		
(D) Panmixis		
Correct Answer: (C)	Level: Moderate	Tagging: Understanding
Q40. The movement of pollen tube is	called	
(A) Chemotropism or chemotaxis		
(B) Thermotaxis		
(C) Thermonastic		
(D) Hydrotropism		
Correct Answer: (A)	Level: Moderate	Tagging: Understanding
Q41. The process of transfer of pollen	grains from anther to stigmatic surface \boldsymbol{w}	ith the help of water is
Q41. The process of transfer of pollen called	grains from anther to stigmatic surface w	ith the help of water is
	grains from anther to stigmatic surface w	ith the help of water is
called	grains from anther to stigmatic surface w	ith the help of water is
called (A) Anemophily (B) Zoophily (C) Hydrophily	grains from anther to stigmatic surface w	ith the help of water is
called (A) Anemophily (B) Zoophily	grains from anther to stigmatic surface w	ith the help of water is
called (A) Anemophily (B) Zoophily (C) Hydrophily	grains from anther to stigmatic surface w Level: Moderate	ith the help of water is Tagging: Understanding
called (A) Anemophily (B) Zoophily (C) Hydrophily (D) Ornithophily	Level: Moderate	
called (A) Anemophily (B) Zoophily (C) Hydrophily (D) Ornithophily Correct Answer: (C)	Level: Moderate	
called (A) Anemophily (B) Zoophily (C) Hydrophily (D) Ornithophily Correct Answer: (C) Q42. The wall of pollen tube is made of	Level: Moderate	
called (A) Anemophily (B) Zoophily (C) Hydrophily (D) Ornithophily Correct Answer: (C) Q42. The wall of pollen tube is made of the content of the cont	Level: Moderate	
called (A) Anemophily (B) Zoophily (C) Hydrophily (D) Ornithophily Correct Answer: (C) Q42. The wall of pollen tube is made of the content of the cont	Level: Moderate	
called (A) Anemophily (B) Zoophily (C) Hydrophily (D) Ornithophily Correct Answer: (C) Q42. The wall of pollen tube is made of the content of the cont	Level: Moderate	
called (A) Anemophily (B) Zoophily (C) Hydrophily (D) Ornithophily Correct Answer: (C) Q42. The wall of pollen tube is made of the content of the cont	Level: Moderate	Tagging: Understanding Tagging: Understanding
called (A) Anemophily (B) Zoophily (C) Hydrophily (D) Ornithophily Correct Answer: (C) Q42. The wall of pollen tube is made of the content of the cont	Level: Moderate of Level: Moderate or the complete development of male game	Tagging: Understanding Tagging: Understanding
called (A) Anemophily (B) Zoophily (C) Hydrophily (D) Ornithophily Correct Answer: (C) Q42. The wall of pollen tube is made of the content of the cont	Level: Moderate of Level: Moderate or the complete development of male gament	Tagging: Understanding Tagging: Understanding

(D) two meiotic cell division

Correct Answer: (A) Level: Moderate Tagging: Applying

Q44. Unisexuality of flowers prevents

- (A) Autogamy, but not geitonogamy
- (B) Geitonogamy and xenogamy
- (C) Geitonogamy, but not xenogamy
- (D) Autogamy and Geitonogamy

Correct Answer: (A) Level: Moderate Tagging: Analyzing

Q45. What is pollen grain?

- (A) Microspore mother cell
- (B) Male gamete
- (C) Male gametophyte
- (D) Partially developed embryo

Correct Answer: (C) Level: Moderate Tagging: Understanding

Q46. Which one of the following is not a correct explanation of cross-pollination?

- (A) The pollen grains are transferred from one flower to another flower situated on the same plant
- (B) The pollen grains are transferred from one flower to another flower, of another plant the same species
- (C) The pollen grains of male flower are transferred to the stigma of the female flower
- (D) The pollen grains of the flower are transferred to the stigma of the same flower

Correct Answer: (D) Level: Moderate Tagging: Understanding

Q47. Wind pollinated flowers are

- (A) Small, brightly coloured, producing large number of pollen grains
- (B) Small, producing large number of dry pollen grains
- (C) Large producing abundant nectar and pollen
- (D) Small, producing nectar and dry pollen

Correct Answer: (B) Level: Moderate Tagging: Understanding

Q48. Wind pollination is common in

- (A) Lilies
- (B) Grasses
- (C) Orchids
- (D) Legumes

Correct Answer: (B) Level: Moderate Tagging: Analyzing

Q49. Xenia refers to

- (A) Effect of pollen on endosperm
- (B) Effect of embryo on sperm

(C)	Both (a) and (b)		
(D)	None of the above		
Cor	rect Answer: (A)	Level: Moderate	Tagging: Understanding
Q50	. Selaginella and Salvinia conside	red to represent a significant step	towards evolution of seed habit
beca			
(A)	Female gametophyte is free and g	•	
(B)	Female gametophyte lacks archeg		
(C)	Megaspore possess endosperm an		
(D)	Embryo develops in female gamet		
Cor	rect Answer: (D)	Level: Difficult	Tagging: Understanding
Q51	Which of the following perform i	microsporogenesis?	
(A)	Microspore mother cell		
(B)	Pollen mother cell		
(C)	Both (a) and (b)		
(D)	None of these		
Cor	rect Answer: (C)	Level: Difficult	Tagging: Evaluating
2. F	Pre-fertilisation: Structures a	nd Events	
Q52	2. 'Microspores arranged in a clust	er of four cells called megaspore	tetrad'. The above statement is
Q52 (A)	2. 'Microspores arranged in a clust True	er of four cells called megaspore	tetrad'. The above statement is
_	•	er of four cells called megaspore t	tetrad'. The above statement is
(A)	True		tetrad'. The above statement is
(A) (B) (C)	True False		tetrad'. The above statement is
(A) (B) (C) (D)	True False Sometimes (a) and sometimes (b)		tetrad'. The above statement is Tagging: Understanding
(A) (B) (C) (D) Cor	True False Sometimes (a) and sometimes (b) Neither (a) nor (b)) Level: Easy	
(A) (B) (C) (D) Cor	True False Sometimes (a) and sometimes (b) Neither (a) nor (b) rect Answer: (B)) Level: Easy	
(A) (B) (C) (D) Cor	True False Sometimes (a) and sometimes (b) Neither (a) nor (b) rect Answer: (B) Anemophily is a type of pollination) Level: Easy	
(A) (B) (C) (D) Cor Q53 (A)	True False Sometimes (a) and sometimes (b) Neither (a) nor (b) rect Answer: (B) Anemophily is a type of pollinations of pollinations (B)) Level: Easy	
(A) (B) (C) (D) Cor Q53 (A) (B)	True False Sometimes (a) and sometimes (b) Neither (a) nor (b) rect Answer: (B) 3. Anemophily is a type of pollination of the solution of the) Level: Easy	
(A) (B) (C) (D) Cor Q53 (A) (B) (C) (D)	True False Sometimes (a) and sometimes (b) Neither (a) nor (b) rect Answer: (B) Anemophily is a type of pollination of the salvia Bottle brush Vallisneria) Level: Easy	
(A) (B) (C) (D) Cor Q53 (A) (B) (C) (D) Cor	True False Sometimes (a) and sometimes (b) Neither (a) nor (b) rect Answer: (B) 3. Anemophily is a type of pollination of the solution of the	Level: Easy ion found in Level: Easy	Tagging: Understanding
(A) (B) (C) (D) Cor Q53 (A) (B) (C) (D) Cor	True False Sometimes (a) and sometimes (b) Neither (a) nor (b) rect Answer: (B) 3. Anemophily is a type of pollination of the solution of the	Level: Easy ion found in Level: Easy	Tagging: Understanding
(A) (B) (C) (D) Cor Q53 (A) (B) (C) (D) Cor Q54	True False Sometimes (a) and sometimes (b) Neither (a) nor (b) rect Answer: (B) 3. Anemophily is a type of pollination of egg takes place in the salvalum o	Level: Easy ion found in Level: Easy	Tagging: Understanding
(A) (B) (C) (D) Cor Q53 (A) (B) (C) (D) Cor Q54 (A)	True False Sometimes (a) and sometimes (b) Neither (a) nor (b) rect Answer: (B) 3. Anemophily is a type of pollination of egg takes place in Anther	Level: Easy ion found in Level: Easy	Tagging: Understanding

Level: **Easy**

Tagging: **Understanding**

Correct Answer: (D)



Q55. Identify A and B in diagram given below:

(A) A-Stamen; B-Pistil

(B) A-Filament; B-Anther

(C) A-Anther; B-Filament

(D) A-Pistil, B-Stamen

Correct Answer: (C) Level: Easy Tagging: Understanding

Q56. Microsporangium produces

(A) Male gametes

(B) Female gametes

(C) Pollen

(D) Both (a) and (c)

Correct Answer: (A) Level: Easy Tagging: Understanding

Q57. Orthotropous ovule belongs to

(A) Urtica

(B) Polygonum

(C) Peperomea

(D) All of these

Correct Answer: **(D)** Level: **Easy** Tagging: **Remembering**

Q58. Scutellum is

(A) Cotyledon in dicots

(B) Cotyledon in gymnosperm

(C) Monocot root

(D) Cotyledon in grass family

Correct Answer: (D) Level: Easy Tagging: Understanding

Q59. The 'eyes' of the potato tuber are

(A) Flower buds

(B) Shoot buds

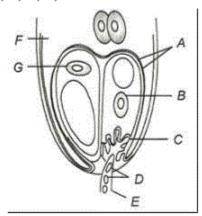
(C) Axillary buds

(D) Root buds

Correct Answer: (C)	Level: Easy	Tagging: Understanding
Q60. The arrangement of the nuclei in a	normal embryo sac in the dicot plants,	is
(A) 2+4+2		
(B) 3+2+3		
(C) 2+3+3		
(D) 3+3+2		
Correct Answer: (B)	Level: Easy	Tagging: Evaluating
Q61. The outermost layer of maize endo	sperm is known as	
(A) Perisperm		
(B) aleurone		
(C) Tapetum		
(D) endothelium		
Correct Answer: (B)	Level: Easy	Tagging: Understanding
Q62. The ovule in which the funicle, chal	aza and micropyle lie in one vertical pla	ne, is called
(A) Campylotropous		
(B) Amphitropous		
(C) Orthotropous		
(D) Anatropous		
Correct Answer: (C)	Level: Easy	Tagging: Remembering
Q63. The pollens are liberated in cassyth	na by	
(A) Porous dehiscence		
(B) Longitudinal dehiscence		
(C) Transverse dehiscence		
(D) Valvular dehiscence		
Correct Answer: (D)	Level: Easy	Tagging: Understanding
Q64. Which of the following plant produc	cts is the hardest?	
(A) Lignin		
(B) Cutin		
(C) Suberin		
(D) Sporopollenin		
Correct Answer: (D)	Level: Easy	Tagging: Analyzing
Q65. Zygote is always		
(A) Haploid		
(B) Diploid		
(C) Triploid		

Correct Answer: (B) Level: Easy Tagging: Understanding

Identify Point A, B, C, D, E, F and G

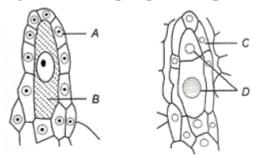


Q66.

- (A) A-Synergid, B-Filiform apparatus, C-Male gamete, D-Plasma membrane, E-Central cell, F-Egg nucleus, G-Vegetative nucleus
- (B) A- Filiform apparatus, B- Central cell, C- Egg nucleus, D- Vegetative nucleus, E- Male gamete, F- Synergid, G- Plasma membrane
- (C) A- Plasma membrane, B- Synergid ,C- Filiform apparatus,D- Male gamete,E- Vegetative nucleus,F- Central cell,G-Egg nucleus
- (D) A- Central cell, B- Egg nucleus, C- Vegetative nucleus, D- Male gamete, E- Synergid, F-Plasma membrane

Correct Answer: (C) Level: Moderate Tagging: Understanding

Identify the labelling of given diagrams



Q67.

- (A) A-MMC, B-Megaspore dyad, C-Nucellus, D-Nucleus
- (B) A- Nucellus, B- Megaspore dyad, C- Nucellus, D-MMC
- (C) A- Nucellus, B-MMC, C- Nucellus, D- Megaspore dyad
- (D) A-MMC, B- Nucellus, C- Megaspore dyad, D- Nucleus

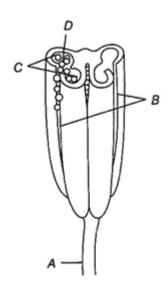
Correct Answer: (C) Level: Moderate Tagging: Understanding

Q68. Fruit and seed develops

- (A) Simultaneously
- (B) First seed than fruit
- (C) First fruit than seed

(D) Both develops after endosperm formation

Correct Answer: (A) Level: Moderate Tagging: Understanding



Q69. Identify A to D in the following diagram

- (A) A-Filament, B-Pollen sac, C-Pollen grain, D-Line of dehiscence
- (B) A-Filament, B-Pollen sac, C-Line of dehiscence, D-Pollen grain
- (C) A-Filament, B- Line of dehiscence, C- Pollen sac, D-Pollen grains
- (D) A-Filament, B- Line of dehiscence, C- Pollen sac, D-Pollen grains

Correct Answer: (D) Level: Moderate Tagging: Understanding

Q70. In artificial hybridization the steps involved are I. Bagging II. Emasculation III. Rebagging Their right arrangement is

- (A) $I \rightarrow II \rightarrow III$
- (B) $II \rightarrow I \rightarrow III$
- (C) $III \rightarrow II \rightarrow I$
- (D) $II \rightarrow III \rightarrow I$

Correct Answer: (A) Level: Moderate Tagging: Understanding

Q71. The process in which haploid embryo is formed from haploid egg without fertilization is called

- (A) Apospory
- (B) Agamospermy
- (C) Apogamy
- (D) Vegetative reproduction

Correct Answer: **(B)** Level: **Moderate** Tagging: **Understanding**

Q72. Which one of the following is a reference to xenogamy?

- (A) Ripening of androecium earlier to gynoecium
- (B) Pollen grains of one flower reaching the stigma of another flower present on the same plant
- (C) Pollen grains of one flower reaching the stigma of another flower present on a different plant of the same species

(D)	The inability of pollen tube to termin	nate on the stigma of the same flower	
Corr	rect Answer: (C)	Level: Moderate	Tagging: Understanding
Q73	. Wind pollinated flowers often have	2	
(A)	Single ovule in each ovary		
(B)	Numerous flowers packed into inflor	escence	
(C)	Both (a) and (b)		
(D)	None of the above		
Corr	rect Answer: (C)	Level: Moderate	Tagging: Understanding
_	. What would be the number of chromosomes in its synergids?	omosomes in the cells of the aleurone lay	er in a plant species with 8
(A)	16		
(B)	24		
(C)	32		
(D)	8		
Corr	rect Answer: (B)	Level: Difficult	Tagging: Creating
3. A	pomixis and Polyembryony		
Q75	. 'Cells at the chalazal end are calle	d synergid cells'. The above statement is	
(A)	True		
(B)	False		
(C)	Sometimes (a) and sometimes (b)		
(D)	Neither (a) nor (b)		
Corr	rect Answer: (B)	Level: Easy	Tagging: Understanding
Q76	. 'In coconut the cellular endosperm	surrounds the nuclear endosperm'. The	above statement is
(A)	True		
(B)	False		
(C)	Sometimes (a) and sometimes (b)		
(D)	Neither (a) nor (b)		
Corr	rect Answer: (A)	Level: Easy	Tagging: Understanding
Q77	. 8-nucleated embryo sac are		
(A)	Monosporic		
(B)	Bisporic		
(C)	Tetrasporic		
(D)	Any of these		
Corr	rect Answer: (A)	Level: Easy	Tagging: Understanding
Q78	. A bisexual flower which never ope	n, is known as	

(A) Autogamous		
(B) Cleistogamous		
(C) Homogamous		
(D) Allogamous		
Correct Answer: (B)	Level: Easy	Tagging: Remembering
Q79. A micropyle is a		
(A) Small pore through which water enters	5	
(B) Small aperture where no integuments	are present	
(C) Small pore needed for seed existence		
(D) All of the above		
Correct Answer: (D)	Level: Easy	Tagging: Understanding
Q80. An ovule is a		
(A) Differentiated megasporangium		
(B) Dedifferentiated megasporangium		
(C) Integumented megasporangium		
(D) Redifferentiated megasporangium		
Correct Answer: (C)	Level: Easy	Tagging: Remembering
Q81. Apomixis arises due to		
(A) Rapid reproduction in plants		
(B) Slow reproduction in plants		
(C) Both (a) and (b)		
(D) None of the above		
Correct Answer: (A)	Level: Easy	Tagging: Understanding
Q82. Apomixis is like		
(A) Sexual reproduction		
(B) Fertilization		
(C) Parthenogenesis		
(D) Asexual reproduction		
Correct Answer: (D)	Level: Easy	Tagging: Understanding
Q83. Center of each microsporangium is o	occupied by	
(A) Sporogenous tissue		
(B) Spongious tissue		
(C) Central tissue		
(D) Microspore mother cell		
Correct Answer: (D)	Level: Easy	Tagging: Remembering

Q84. Chances of pollination in air and wa	ter are increased by increasing number	of pollens. This statement
(A) TRUE		
(B) False		
(C) Sometimes (a) and sometimes (b)		
(D) Neither (a) nor (b)		
Correct Answer: (A)	Level: Easy	Tagging: Understanding
Q85. Devices for self-pollination are		
(A) Dicliny or unisexuality		
(B) Dichogamy		
(C) Heterostyly		
(D) None of these		
Correct Answer: (D)	Level: Easy	Tagging: Understanding
Q86. During the formation of embryo sac	, the functional megaspore undergoes	
(A) Two mitotic divisions		
(B) Two meiotic divisions		
(C) Three meiotic divisions		
(D) Three mitotic divisions		
Correct Answer: (D)	Level: Easy	Tagging: Understanding
Q87. Function of aleurone layer is to		
(A) Prepare amylase		
(B) Prepare proteinase		
(C) Prepare peptidase		
(D) Prepare food		
Correct Answer: (A)	Level: Easy	Tagging: Understanding
Q88. Grass family (Poaceae) contains		
(A) Exposed stigma		
(B) Versatile anther		
(C) Both (a) and (b)		
(D) Large pollens		
Correct Answer: (C)	Level: Easy	Tagging: Understanding
Q89. How many nuclei are found in fema	le gametophyte?	
(A) 8		
(B) 7		
(C) 6		

(D)	5		
Corr	ect Answer: (A)	Level: Easy	Tagging: Understanding
Q90	. In a type of apomixes known as ac	dventive embryony, embryos develop dire	ectly from the
(A)	Nucellus or integuments		
(B)	Synergids or antipodals in an embry	o sac	
(C)	Accessory embryo sacs in the ovule		
(D)	Zygote		
Corr	ect Answer: (A)	Level: Easy	Tagging: Understanding
Q91	. In angiosperm functional megaspo	re develops into	
(A)	Embryo sac		
(B)	Ovule		
(C)	Endosperm		
(D)	Pollan sac		
Corr	ect Answer: (A)	Level: Easy	Tagging: Understanding
Q92	. A scion is grafted to a stock. The o	quality of fruits produced will be determin	ed by the genotype of
(A)	Stock		
(B)	Scion		
(C)	Both (a) and (b)		
(D)	Neither (a) nor (b)		
		Level: Moderate	Tagging: Understanding
Corr			Tagging: Understanding
Corr	ect Answer: (B)		Tagging: Understanding
Corr Q93 (A)	ect Answer: (B) . A typical angiosperm embryo sac a		Tagging: Understanding
Corr Q93 (A) (B)	ect Answer: (B) A typical angiosperm embryo sac a 4 – nucleate, 2 – celled		Tagging: Understanding
Corr Q93 (A) (B) (C)	ect Answer: (B) A typical angiosperm embryo sac a 4 – nucleate, 2 – celled 8 – nucleate, 7 – celled		Tagging: Understanding
Corr Q93 (A) (B) (C) (D)	ect Answer: (B) A typical angiosperm embryo sac a 4 – nucleate, 2 – celled 8 – nucleate, 7 – celled 4 – nucleate, 4 – celled		Tagging: Understanding Tagging: Analyzing
(A) (B) (C) (D) Corr	ect Answer: (B) A typical angiosperm embryo sac a 4 – nucleate, 2 – celled 8 – nucleate, 7 – celled 4 – nucleate, 4 – celled 8– nucleate, 4 – celled	at maturity, is Level: Moderate	
(A) (B) (C) (D) Corr	ect Answer: (B) A typical angiosperm embryo sac a 4 – nucleate, 2 – celled 8 – nucleate, 7 – celled 4 – nucleate, 4 – celled 8 – nucleate, 4 – celled ect Answer: (B)	Level: Moderate on or increase cross-pollination is	
(A) (B) (C) (D) Corr	ect Answer: (B) A typical angiosperm embryo sac a 4 – nucleate, 2 – celled 8 – nucleate, 7 – celled 4 – nucleate, 4 – celled 8 – nucleate, 4 – celled ect Answer: (B) Device to discourage self-pollination	Level: Moderate on or increase cross-pollination is are not synchronized	
(A) (B) (C) (D) Corr (Q94 (A)	ect Answer: (B) A typical angiosperm embryo sac at 4 - nucleate, 2 - celled 8 - nucleate, 7 - celled 4 - nucleate, 4 - celled 8- nucleate, 4 - celled ect Answer: (B) Device to discourage self-pollination	Level: Moderate on or increase cross-pollination is are not synchronized	
Corr Q93 (A) (B) (C) (D) Corr Q94 (A) (B)	ect Answer: (B) A typical angiosperm embryo sac at 4 - nucleate, 2 - celled 8 - nucleate, 7 - celled 4 - nucleate, 4 - celled 8- nucleate, 4 - celled ect Answer: (B) Device to discourage self-pollination Pollen release and stigma receptivity Anther and stigma placed at different	Level: Moderate on or increase cross-pollination is are not synchronized	
Corr Q93 (A) (B) (C) (D) Corr Q94 (A) (B) (C) (D)	ect Answer: (B) A typical angiosperm embryo sac at 4 - nucleate, 2 - celled 8 - nucleate, 7 - celled 4 - nucleate, 4 - celled 8- nucleate, 4 - celled ect Answer: (B) Device to discourage self-pollination Pollen release and stigma receptivity Anther and stigma placed at different Same height of stamen and stigma Both (a) and (b)	Level: Moderate on or increase cross-pollination is are not synchronized	
Corr Q93 (A) (B) (C) (D) Corr Q94 (A) (B) (C) (D)	ect Answer: (B) A typical angiosperm embryo sac at 4 - nucleate, 2 - celled 8 - nucleate, 7 - celled 4 - nucleate, 4 - celled 8- nucleate, 4 - celled ect Answer: (B) Device to discourage self-pollination Pollen release and stigma receptivity Anther and stigma placed at different Same height of stamen and stigma Both (a) and (b) ect Answer: (D)	Level: Moderate on or increase cross-pollination is are not synchronized at position	Tagging: Analyzing
Corr Q93 (A) (B) (C) (D) Corr Q94 (A) (B) (C) (D) Corr	ect Answer: (B) A typical angiosperm embryo sac at 4 - nucleate, 2 - celled 8 - nucleate, 7 - celled 4 - nucleate, 4 - celled 8- nucleate, 4 - celled ect Answer: (B) Device to discourage self-pollination Pollen release and stigma receptivity Anther and stigma placed at different Same height of stamen and stigma Both (a) and (b) ect Answer: (D)	Level: Moderate on or increase cross-pollination is are not synchronized at position	Tagging: Analyzing

(C)	Both (a) and (b)		
(D)	Parthenocarpic seeds are developed	d by fertilized ovary	
Cor	rect Answer: (C)	Level: Moderate	Tagging: Understanding
Q96	If there are four cells in a anther,	what will be the number of pollen grains?	•
(A)	4		
(B)	9		
(C)	12		
(D)	16		
Cor	rect Answer: (D)	Level: Moderate	Tagging: Understanding
Q97	. In orthotropous ovule, the microp	oyle and chalaza are	
(A)	Oblique to funiculus		
(B)	Parallel to funculus		
(C)	At right angle to funiculus		
(D)	In straight line with funiculus		
Cor	rect Answer: (D)	Level: Moderate	Tagging: Understanding
Q98	In the fully organized Polygonum	type of embryo sac, what is the ratio of h	aploid, diploid and triploid
nucl	ei?		
(A)	3:1:3		
	06:00:01		
	06:01:00		
(D)	3:2:3		
Cor	rect Answer: (C)	Level: Moderate	Tagging: Evaluating
Q99	. Intine is made up of		
(A)	Cellulose		
(B)	Pectin		
(C)	Both (a) and (b)		
(D)	Protein		
Cor	rect Answer: (C)	Level: Moderate	Tagging: Understanding
Q10	0. Majority of plants are		
(A)	Biotic agent for pollination		
(B)	Non- biotic agent for pollination		
(C)	Air for pollination		
(D)	Animals for pollination		
Cor	rect Answer: (A)	Level: Moderate	Tagging: Understanding

Q101. Meiotic cell division takes place during

(A) Gametogenesis		
(B) Embryogenesis		
(C) Organogenesis		
(D) Parthenogenesis		
Correct Answer: (A)	Level: Moderate	Tagging: Understanding
Q102. Mesogamy is		
(A) Fusion of male and female gametes	S	
(B) Fusion of physiologically similar and	d morphologically different gametes	
(C) Entry of pollen tube through integu	ments	
(D) None of the above		
Correct Answer: (C)	Level: Moderate	Tagging: Understanding
Q103. Micropyle is formed by		
(A) Absence of integuments		
(B) Absence of funicle		
(C) Absence of nucellus		
(D) Absence of embryo sac		
Correct Answer: (A)	Level: Moderate	Tagging: Understanding
Q104. Nuclear polyembryony is reported	ed in	
(A) Citrus		
(B) Gossypium		
(C) Triticum		
(D) Brassica		
Correct Answer: (A)	Level: Moderate	Tagging: Analyzing
Q105. Occurrence of more than four sp	pores from a spore mother cell is called	
(A) Polysiphony		
(B) Polyspermy		
(C) Polyspory		
(D) Polyembryony		
Correct Answer: (C)	Level: Moderate	Tagging: Remembering
Q106. Occurrence of more than one er	mbryo is called	
(A) Polyembryony		
(B) Embryony		
(C) Parthenogenesis		
(D) Fertilization		
Correct Answer: (A)	Level: Moderate	Tagging: Understanding

Q107. Ovules contain many embryo in		
(A) Citrus		
(B) Orange		
(C) Mango		
(D) All of these		
Correct Answer: (D)	Level: Moderate	Tagging: Analyzing
Q108. Pericarp is		
(A) Wall of ovary		
(B) Wall of fruit		
(C) Both (a) and (b)		
(D) wall of embryo		
Correct Answer: (C)	Level: Moderate	Tagging: Analyzing
Q109. Perisperm is found in		
(A) Black pepper		
(B) apple		
(C) Beet		
(D) Both (a) and (c)		
Correct Answer: (A)	Level: Moderate	Tagging: Understanding
Q110. Pollen grains can cause		
(A) Bronchial afflications		
(B) Asthma		
(C) Bronchitis		
(D) All of these		
Correct Answer: (A)	Level: Moderate	Tagging: Understanding
Q111. Raphe is		
(A) Part of flower		
(B) Funicle attached to ovule		
(C) Ridge formed by funiculus		
(D) Part of nucellus		
Correct Answer: (C)	Level: Moderate	Tagging: Remembering
Q112. Some plant have a habit of harb is known as	ouring ants to save the plants from dama	age by other animals which
(A) Entomophily		
(B) Myrmecophily		
(C) Anemophily		

(D) Hydrophily

Correct Answer: (B) Level: Moderate Tagging: Understanding

Q113. Synergid's filiform apparatus

(A) Guide the pollen tube

(B) Guide the style for development

(C) Present near the micropylar end

(D) Both (a) and (c)

Correct Answer: (D) Level: Moderate Tagging: Understanding

Q114. Syngamy is the process in which

(A) Male gamete fuses with female gamete

(B) Pollen tube enter into the ovule through micropyle

(C) Pollen tube enter into the ovule through chalaza

(D) Vegetative cell and tube cell fuse

Correct Answer: (A) Level: Moderate Tagging: Understanding

Q115. The onagrad type embroyo, development is found in

(A) Solanum

(B) Capsella

(C) Lilium

(D) Hibiscus

Correct Answer: (B) Level: Moderate Tagging: Analyzing

Q116. The type of pollination adaptation found in calotropis is

(A) Dicliny

(B) Herkogamy

(C) Heterostyly

(D) Dichogamy

Correct Answer: **(B)** Level: **Moderate** Tagging: **Analyzing**



Q117. This diagram given below depicts

(A) Wind pollinated plant

(B)	Well exposed stamen		
(C)	Compact inflorescence		
(D)	All of these		
Cor	rect Answer: (A)	Level: Moderate	Tagging: Understanding
Q11	8. True fruit is directly derived from	ı	
(A)	Stem		
(B)	Root		
(C)	Ovule		
(D)	None of the above		
Cor	rect Answer: (D)	Level: Moderate	Tagging: Analyzing
Q11	9. Type of pollination in commelina	is	
(A)	Chasmogamy		
(B)	Geitonogamy		
(C)	Xenogamy		
(D)	Cleistogamy		
Cor	rect Answer: (D)	Level: Moderate	Tagging: Understanding
Q12	0. Vegetative/Asexual reproduction	and apomixis are common in	
(A)	Type of cell division		
(B)	Clone nature of offsprings		
(C)	Both (a) and (b)		
(D)	Only in dicot plant		
Cor	rect Answer: (B)	Level: Moderate	Tagging: Remembering
Q12	1. What does the filiform apparatus	s do at the entrance into ovule?	
(A)	It helps in the entry of pollen tube i	nto a synergid	
(B)	It prevents entry of more than one	pollen tube into the embryo sac	
(C)	It brings about opening of the poller	n tube	
(D)	It guides pollen tube from a synerg	id to egg	
Cor	rect Answer: (D)	Level: Moderate	Tagging: Understanding
Q12	2. What is the ratio of equational d	ivisions that take place in Cycas and angi	osperms respectively
lead	ing to the formation to male gametes	s from pollen grains?	
(A)	3: 2		
(B)	3: 1		
(C)	2: 1		
(D)	2: 3		
Cor	rect Answer: (C)	Level: Moderate	Tagging: Understanding

Q123. When pollen is transferred from the same plant, it is referred to as	n anther of a flower to stigma of the anoth	ner of the another flower of
(A) Allogamy		
(B) Xenogamy		
(C) Geitonogamy		
(D) Autogamy		
Correct Answer: (C)	Level: Moderate	Tagging: Remembering
Q124. Which cell is bigger and have a	bundant food reserve material during mic	rosporogenesis?
(A) Generative cell		
(B) Vegetative cell		
(C) Vacuole		
(D) Spore mother cell		
Correct Answer: (B)	Level: Moderate	Tagging: Understanding
Q125. Which is most crucial for seed s	storage?	
(A) Dehydration and dormancy		
(B) Endosperm and water		
(C) Least amount of development		
(D) Endosperm in large quantity		
(b) Endosperm in large quantity		
Correct Answer: (A)	Level: Moderate	Tagging: Understanding
		Tagging: Understanding
Correct Answer: (A)		Tagging: Understanding
Correct Answer: (A) Q126. Which of these is not essential		Tagging: Understanding
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility		Tagging: Understanding
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility (B) Dichogamy		Tagging: Understanding
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility (B) Dichogamy (C) Heterogamy		Tagging: Understanding Tagging: Understanding
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility (B) Dichogamy (C) Heterogamy (D) None of these Correct Answer: (D)	for allogamy?	Tagging: Understanding
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility (B) Dichogamy (C) Heterogamy (D) None of these Correct Answer: (D)	for allogamy? Level: Moderate nts an ovule, where the embryo sac becor	Tagging: Understanding
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility (B) Dichogamy (C) Heterogamy (D) None of these Correct Answer: (D) Q127. Which one of following represent	for allogamy? Level: Moderate nts an ovule, where the embryo sac becor	Tagging: Understanding
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility (B) Dichogamy (C) Heterogamy (D) None of these Correct Answer: (D) Q127. Which one of following represent the funiculus and micropyle are close to	for allogamy? Level: Moderate nts an ovule, where the embryo sac becor	Tagging: Understanding
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility (B) Dichogamy (C) Heterogamy (D) None of these Correct Answer: (D) Q127. Which one of following represent the funiculus and micropyle are close to (A) Circinotropous	for allogamy? Level: Moderate nts an ovule, where the embryo sac becor	Tagging: Understanding
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility (B) Dichogamy (C) Heterogamy (D) None of these Correct Answer: (D) Q127. Which one of following represe the funiculus and micropyle are close to (A) Circinotropous (B) Anatropous	for allogamy? Level: Moderate nts an ovule, where the embryo sac becor	Tagging: Understanding
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility (B) Dichogamy (C) Heterogamy (D) None of these Correct Answer: (D) Q127. Which one of following represent the funiculus and micropyle are close to (A) Circinotropous (B) Anatropous (C) Amphitropous	for allogamy? Level: Moderate nts an ovule, where the embryo sac becor	Tagging: Understanding
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility (B) Dichogamy (C) Heterogamy (D) None of these Correct Answer: (D) Q127. Which one of following represent the funiculus and micropyle are close to (A) Circinotropous (B) Anatropous (C) Amphitropous (D) Atropous Correct Answer: (C)	for allogamy? Level: Moderate Ints an ovule, where the embryo sac become each other	Tagging: Understanding mes horse-shoe shaped and
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility (B) Dichogamy (C) Heterogamy (D) None of these Correct Answer: (D) Q127. Which one of following represent the funiculus and micropyle are close to (A) Circinotropous (B) Anatropous (C) Amphitropous (D) Atropous Correct Answer: (C)	for allogamy? Level: Moderate Ints an ovule, where the embryo sac become each other Level: Moderate	Tagging: Understanding mes horse-shoe shaped and
Correct Answer: (A) Q126. Which of these is not essential (A) Self-sterility (B) Dichogamy (C) Heterogamy (D) None of these Correct Answer: (D) Q127. Which one of following represe the funiculus and micropyle are close to (A) Circinotropous (B) Anatropous (C) Amphitropous (D) Atropous Correct Answer: (C) Q128. Which one of the following is not	for allogamy? Level: Moderate Ints an ovule, where the embryo sac become each other Level: Moderate	Tagging: Understanding mes horse-shoe shaped and

(D)	Dichogamy		
Corr	rect Answer: (A)	evel: Moderate	Tagging: Understanding
only	9. Xenogamy or cross-pollination is possible Select the correct option for the given I and III II and III Only III I and II	performed by I. Abiotic agencies II. Bioti question	c agencies III. Insects
` ,		evel: Moderate	Tagging: Understanding
-		dual plant of crotalaria. In each microspo mother cells. How many pollen grains a	,
Corr	rect Answer: (D)	Level: Difficult	Tagging: Evaluating
4. P	ost-fertilisation: Structures and	Events	
Q13	1. Apomictic embryos in Citrus arise	from	
(A) (B) (C) (D)	Maternal sporophytic tissue in ovule Antipodal cells Haploid cells Synergids		
	rect Answer: (A)	Level: Easy	Tagging: Understanding
(A) (B) (C) (D) Corr	2. Apomictic embryos in Citrus arise Synergids Maternal sporophytic tissue in ovule Antipodal cells Diploid egg rect Answer: (B) 3. Apomixis is seen in Asteracea Grasses Both (a) and (b) None of these	from Level: Easy	Tagging: Understanding
Corr	rect Answer: (C)	Level: Easy	Tagging: Understanding

Q134. Cloves are obtained from		
(A) Seed		
(B) Fruit		
(C) Coat		
(D) Flower bud		
Correct Answer: (D)	Level: Easy	Tagging: Remembering
Q135. Continued self-pollination results i	n	
(A) Inbreeding depression		
(B) Out breeding depression		
(C) Hybrid vigour		
(D) Better result in offsprings		
Correct Answer: (A)	Level: Easy	Tagging: Remembering
Q136. Development of an embryo withou	it fertilization is called as	
(A) Apomixis		
(B) Polyembryony		
(C) Parthenocarphy		
(D) Parthenogenesis		
Correct Answer: (A)	Level: Easy	Tagging: Understanding
Q137. False fruits are found in		
(A) Guava, pear and sapota		
(B) Black pepper and beet		
(C) Apple, strawberry and cashew		
(D) Banana and apple		
Correct Answer: (C)	Level: Easy	Tagging: Understanding
Q138. Find out the correct statement		
(A) Parthenocarpic fruits are seedless		
(B) Parthenocarpy is developed are hormo	ones	
(C) Both (a) and (b)		
(D) Parthenocarpic seeds are developed b	oy fertilized ovary	
Correct Answer: (A)	Level: Easy	Tagging: Understanding
Q139. How many cells are found in fema	le gametophyte?	
(A) 6		
(B) 8		
(C) 7		
(D) 5		

Correct Answer: (C) Level: **Easy** Tagging: Understanding Q140. How many number of nuclei are involved in fertilization? (A) 1 (B) 2 (C) 3 (D) 5 Correct Answer: (D) Level: Easy Tagging: Understanding **Q141.** Identify the type of ovary in diagram (A) Multicarpellary apocarpous (B) Multicarpellary syncarpous (C) Multicarpellary pistillate (D) Monocarpellary apocarpous Correct Answer: (B) Level: Easy Tagging: Understanding Q142. In a flowering plants, megaspore develops into an embryo sac, which contains (A) 4 cells, one of which is an egg (B) 6 cells, one of which is an egg (C) 8 cells, one of which is an egg (D) None of the above Correct Answer: (D) Tagging: Understanding Level: Easy **Q143.** Male gametes in angiosperms are formed by the division of (A) Microspore (B) Generative cell (C) Vegetative cell (D) Microspore mother cell Correct Answer: (B) Level: Easy Tagging: Understanding Q144. Megasporogenesis is (A) Formation of fruit (B) Formation of seeds (C) Formation of seeds (D) Both (b) and ©

Correct Answer: (C)	Level: Easy	Tagging: Applying
Q145. Non-albuminous seed		
(A) Has no reserve food		
(B) Also called exalbuminous		
(C) Has thin cotyledons		
(D) All of these		
Correct Answer: (D)	Level: Easy	Tagging: Understanding
Q146. Non-endospermic seeds are seen in	n	
(A) Groundnut		
(B) Pea		
(C) Beans		
(D) All of these		
Correct Answer: (D)	Level: Easy	Tagging: Understanding
Q147. Nucellar Polyembryony is report in		
(A) Chitrus		
(B) Gossypium		
(C) Triticum		
(D) Brassica		
Correct Answer: (A)	Level: Easy	Tagging: Remembering
Q148. Nucellar polyembryony is reported	in species of	
(A) Gossypium		
(B) Triticum		
(C) Brassica		
(D) Citrus		
Correct Answer: (D)	Level: Easy	Tagging: Remembering
Q149. Nucellar polyembryony is reported	in species of	
(A) Gossypium		
(B) Triticum		
(C) Brassica		
(D) Citrus		
Correct Answer: (D)	Level: Easy	Tagging: Remembering
Q150. Number of seeds is equals to the		
(A) Number of ovules		
(B) Number of ovaries		
(C) Both (a) and (b)		

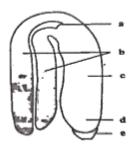
(D)	None of these		
Corr	ect Answer: (A)	Level: Easy	Tagging: Analyzing
Q15	1. Out of the following choose the p	ost-fertilisation events	
(A)	Endospermeogenesis		
(B)	Embryogenesis		
(C)	Both (a) and (b)		
(D)	Organogenesis		
Corr	ect Answer: (C)	Level: Easy	Tagging: Understanding
Q15	2. Ovule integument gets transform	ned into	
(A)	Seed		
(B)	Fruit wall		
(C)	Seed coat		
(D)	Cotyledons		
Corr	ect Answer: (A)	Level: Easy	Tagging: Analyzing
Q15	3. Parthenogenesis is a type of		
(A)	Sexual reproduction		
(B)	Asexual reproduction		
(C)	Budding		
(D)	Regeneration		
Corr	ect Answer: (B)	Level: Easy	Tagging: Understanding
Q15	4. Select the dry fruits from the foll	owing.	
(A)	Guava, orange and mango		
(B)	Groundnut and mustard		
(C)	Guava, groundnut and mustard		
(D)	Mango, guava and mustard		
Corr	ect Answer: (B)	Level: Easy	Tagging: Understanding
Q15	5. Sexual reproduction leads to		
(A)	Genetic recombination		
(B)	Polyploidy		
(C)	Aneuploidy		
(D)	euploidy		
Corr	ect Answer: (A)	Level: Easy	Tagging: Understanding
Q15	6. Stalk with which ovules attached	to the placenta is called	
(A)	Funicle		
(B)	Raphe		

	2. Which of these cells is the largest Antipodal cell	cell of the ovule?	
	rect Answer: (A)	Level: Easy	Tagging: Understanding
(D)	100 yr		
(C)	500 yr		
(B)	1000 yr		
(A)	2000 yr		
Q16	1. Viability of date palm seed is		
Corr	rect Answer: (D)	Level: Easy	Tagging: Analyzing
(D)	Mitosis		
(C)	Both (a) and (b)		
(B)	Meiosis		
(A)	Reductional		
Q16	0. Type of cell division takes place in	apomixis is	
Corr	rect Answer: (C)	Level: Easy	Tagging: Understanding
(D)	Seed		
(C)	Fruit		
(B)	Endosperm		
(A)	Embryo		
Q15	9. The ovary after fertilization is conv	verted into	
Corr	rect Answer: (B)	Level: Easy	Tagging: Understanding
(D)	Micropylar polar nucleus		
(C)	Chalazal polar nucleus		
(B)	Secondary nucleus		
(A)	Zygote		
Q15	8. The endosperm in angiosperm dev	velops from	
Corr	rect Answer: (D)	Level: Easy	Tagging: Understanding
(D)	Endomitosis as well as endopolyploidy	<i>'</i>	
(C)	Endomitosis		
(B)	Meiotic division		
(A)	Mitotic division		
Q15	7. Tapetal cells are characterized by		
Corr	rect Answer: (A)	Level: Easy	Tagging: Understanding
(D)	Chalaza		
(C)	Hilum		

- (B) Central cell
- (C) Megaspore mother cell
- (D) The size of the cells varies from species to species and none of the given above can be treated as largest

Correct Answer: **(D)** Level: **Easy** Tagging: **Understanding**

Recognise the figure and fing out the correct matching.



Q163.

- (A) a-radicle, b- hypocotyl, c- epicotyl, d- plumule, e- coleorthiza
- (B) a- plumule, b- epicotyl, c- hypocotyl, d- radicle, e- root cap
- (C) a- plumule, b- cotyledons, c- epicotyl, d- radicle, e- root cap
- (D) a- plumule, b- cotyledons, c- hypocotyl, d- radicle, e- root cap

Correct Answer: (D) Level: Moderate Tagging: Understanding

Q164. A natural sequence of developmental stages in the life cycle of an angiosperm is

- (A) Cleavage → Fertilization → Differentiation Fruit formation
- (B) Pollination \rightarrow Fertilization \rightarrow Seed Formation \rightarrow Germination
- (C) Germination → Double Fertilization → Endosperm Formation → Seed Dispersal
- (D) Maturation \rightarrow Mitosis \rightarrow Differentiation \rightarrow Fertilization

Correct Answer: **(B)** Level: **Moderate** Tagging: **Understanding**

- **Q165.** A normal plant suddenly started reproducing parthenogenetically. The number of chromosomes of the second generation as compared to the parent will be
- (A) One half
- (B) One fourth
- (C) Same
- (D) Double

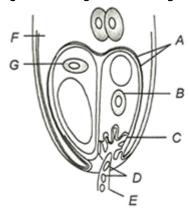
Correct Answer: (A) Level: Moderate Tagging: Understanding

Q166. Chalazal pole is present

- (A) Opposite to micropyle
- (B) At the origin of integuments
- (C) Opposite to nucellus
- (D) Near the embryo sac

Correct Answer: (A) Level: Moderate Tagging: Understanding

Q167. Diagram showing entry of pollen tube to the embryo sac. Identify A to G in the diagram



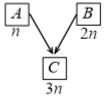
- (A) A-Synergid, B-Filiform apparatus, C-Male gamete, D-Plasma membrane, E-Central cell, F-Egg nucleus, G-Vegetative nucleus
- (B) A- Filiform apparatus, B- Central cell, C- Egg nucleus, D- Vegetative nucleus, E- Male gamete, F- Synergid, G- Plasma membrane
- (C) A- Plasma membrane, B- Synergid , C- Filiform apparatus, D- Male gamete, E- Vegetative nucleus, F- Central cell, G-Egg nucleus
- (D) A- Central cell, B- Egg nucleus, C- Vegetative nucleus, D- Male gamete, E- Synergid, F-Plasma membrane

Correct Answer: (C) Level: Moderate Tagging: Understanding

Q168. Fibrous thickenings of hygroscopic nature are found in which part of the anther wall?

- (A) Epidermis
- (B) Endothecium
- (C) Middle layers
- (D) Tapetum

Correct Answer: (B) Level: Moderate Tagging: Understanding



- Q169. Find out A,B and C in the flow chart given below
- (A) A-Female gamete, B-Male gamete, C-Endosperm
- (B) A- Endosperm, B- Female gamete, C- Male gamete
- (C) A- Female gamete, B-Polar nuclei, C- Endosperm
- (D) A- Female gamete, B- Endosperm C-Male gamete

Correct Answer: (C) Level: Moderate Tagging: Understanding

Q170. Find out right statement (s) I. Most common endosperm is of nuclear type II. Coconut water is male gametophyte III. Coconut has both nucellar and cellular type of endosperm

- (A) I, II and III
- (B) I and III
- (C) II and III
- (D) I and II

Correct Answer: (B) Level: Moderate Tagging: Understanding

Q171. First three layers of microsporangium which does the function of protection are

- (A) Epidermis, endothecium, middle layer
- (B) Epidermis, mesocarp, endocarp
- (C) Epidermis, middle layer, endothecium
- (D) Epidermis, endocarp, mesocarp

Correct Answer: (C) Level: Moderate Tagging: Understanding

Q172. For a gene if AA = male plant, BB = female plant. Find out the genotype of endosperm and embryo

- (A) AAB, BBA
- (B) AAB, AB
- (C) ABB, AB
- (D) BBA, AAB

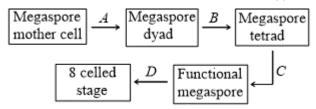
Correct Answer: **(C)** Level: **Moderate** Tagging: **Analyzing**

Q173. Functional megaspore develops into ...A... also called ...B... A and B in the above sentence is

- (A) A-Female gametophyte; B-Embryo sac
- (B) A-Embryo sac; B-Female gametophyte
- (C) A-Endosperm; B-Nucellus
- (D) A-Microsporangium; B-Megasporangium

Correct Answer: (A) Level: Moderate Tagging: Understanding

Q174. Give the of name the cell division type at A,B,C and D



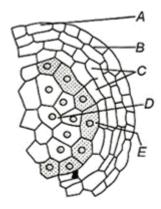
- (A) A-Meiosis-I, B-Mitosis, C-Mitosis, D-Meiosis
- (B) A- Meiosis-I, B- Meiosis-II, C-No division, D- Mitosis
- (C) A- Mitosis, B-No division, C- Meiosis-II, D- Meiosis-I
- (D) A- Mitosis, B- Mitosis, C- Meiosis-I, D- Meiosis-I

Correct Answer: (B) Level: Moderate Tagging: Remembering

Q175. I. Antipodal cell II. Egg cell III. Synergid cell IV. Polar nuclei V. Male gamete VI. Nuclear cell IV. Chalazal cell Out of the seven names given above, find out haploid cells

- (A) I, II, IV, V
- (B) II, IV, VI, VII
- (C) I, II, III, V
- (D) II, IV, III, I

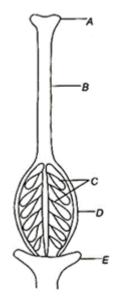
Correct Answer: (C) Level: Moderate Tagging: Understanding



Q176. Identify A to E in the following diagram

- (A) A-Tapetum, B-Microspore mother cell, C-Middle layer, D-Endothecium, E-Epidermis
- (B) A- Epidermis, B- Middle layer, C- Microspore mother cell, D- Tapetum, E- Endothecium
- (C) A- Middle layer, B- Epidermis, C- Tapetum, D- Microspore mother cell, E- Endothecium
- (D) A- Epidermis, B- Endothecium, C-Middle layer, D- Microspore mother cell, E- Tapetum

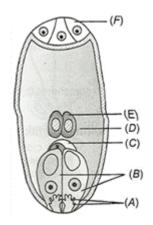
Correct Answer: (D) Level: Moderate Tagging: Understanding



Q177. Identify A to E in the following diagram

- (A) A-Style, B-Stigma, C-Ovules, D-Thalamus, E-Ovary
- (B) A- Ovary, B- Thalamus, C- Ovules, D- Style, E- Stigma
- (C) A- Thalamus, B- Style, C- Stigma, D- Ovary, E- Ovules
- (D) A- Stigma, B- Style, C- Ovules, D- Ovary, E- Thalamus

Correct Answer: (D) Level: Moderate Tagging: Understanding



Q178. Identify A to F in the diagram

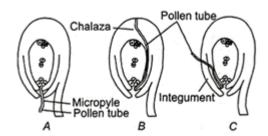
- (A) A-Egg, B-Filiform apparatus, C-Synergid, D-Antipodal cell, E-Polar nuclei, F-Central cell
- (B) A-Egg, B-Synergid, C-Filiform apparatus, D-Antipodal cell, E-Central cell, F-Polar nuclei
- (C) A-Central cell, B-Egg, C-Synergid, D-Antipodal cell, E-Filiform apparatus, F-Polar nuclei
- (D) A-Filiform apparatus, B-Synergid, C-Egg, D-Central cell, E-Polar nuclei, F-Antipodal cell

Correct Answer: (D) Level: Moderate Tagging: Understanding

- **Q179.** Identify the characters with reference to the plant in which eight nucleated embryo sac was first studied by strasburger. I Micropyle, chalaza and funiculus are arranged in the same vertical line In the ovule.
- (A) I and IV
- (B) II and III
- (C) I and II
- (D) III and IV

Correct Answer: (C) Level: Moderate Tagging: Understanding

Q180. Identify the correct modes of entry of pollen tube in the diagrams given below



- (A) A-Mesogamy, B-Chalazogamy, C-Porogamy
- (B) A-Chalazogamy, B-Porogamy, C-Mesogamy
- (C) A-Porogamy, B-Chalazogamy, C-Monogamy
- (D) A-Porogamy, B-Mesogamy, C-Chalazogamy

Correct Answer: (C) Level: Moderate Tagging: Understanding

Q181. Identify the correct statement.

- (A) Because of marked climatic variations, plants growing near the sea shore do not produce annual rings
- (B) The age of the plant can be determined by its height

- (C) Healing of damaged tissue is because of the activity of sclerenchyma cells
- (D) Grafting is difficult in monocot plants as they have scattered vascular bundles

Correct Answer: (D) Level: Moderate Tagging: Understanding

Q182. Identify the wrong statements regarding post-fertilization development.

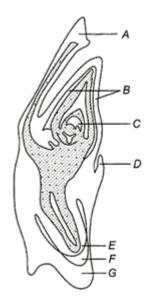
- (A) The ovary wall develops into pericarp
- (B) The outer integument of ovule develops into tegmen
- (C) The fusion nucleus (triple nucleus) develops into endosperm
- (D) The ovule develops into seed

Correct Answer: (B) Level: Moderate Tagging: Understanding

Q183. If the number of chromosomes in egg cell is 8, then what is the number of chromosomes on endosperm?

- (A) 24
- (B) 8
- (C) 16
- (D) 12

Correct Answer: (A) Level: Moderate Tagging: Understanding



Q184. In figure find out coleoptile, shoot apex and epiblast

- (A) A,B and C
- (B) B,C and D
- (C) D,F and G
- (D) E,F and G

Correct Answer: (B) Level: Moderate Tagging: Understanding

Q185. In previous question name out I, II and III

- (A) I-Radicle, II-Suspensor, III-Cotyledon
- (B) I- Suspensor, II- Radicle, III- Cotyledon

- (C) I- Cotyledon II- Radicle, III- Suspensor
- (D) I- Suspensor, II- Cotyledon, III- Radicle

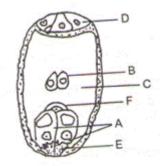
Correct Answer: (B) Level: Moderate Tagging: Understanding

Q186. In some plants, anthers and stigmas grow and mature at same time. This phenomenon is called

- (A) Homogamy
- (B) Syngamy
- (C) Allogamy
- (D) Fusion

Correct Answer: (A) Level: Moderate Tagging: Understanding

Q187. In the given diagram, parts labelled as A, B, C, D, E and F are respectively identified as



- (A) Synergids, polar nuclei, central cell, filiform apparatus and egg
- (B) Polar nuclei, egg, antipodals, central cell, filiform apparatus and polar nucei
- (C) Egg, synergids, central cell, filiform apparatus, antipodals and polar nuclei
- (D) Central cell, polar nuclei filiform apparatus, antipodals, synergids and egg

Correct Answer: (A) Level: Moderate Tagging: Understanding

Q188. Male gametes wheather 2 celled or 3-celled are identical in genetic make up because

- (A) Of mitosis
- (B) Of meiosis
- (C) Of amitosis
- (D) Binary fission

Correct Answer: (A) Level: Moderate Tagging: Understanding

Q189. Match the columns I and II, and choose the correct combination from the options given.

Column - I

Column - II

A. Apomixis

1. Mango

B. Polyembryony

2. Seedless fruit

C. Parthenocarpy

3. Asteraceae

- (A) $A \rightarrow 3$, $B \rightarrow 1$, $C \rightarrow 2$
- (B) $A\rightarrow 2$, $B\rightarrow 3$, $C\rightarrow 1$

(C) $A\rightarrow 1$, $B\rightarrow 2$, $C\rightarrow 3$

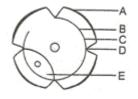
(D) $A\rightarrow 3$, $B\rightarrow 2$, $C\rightarrow 1$

Correct Answer: (A) Level: Moderate Tagging: Understanding

Q190. Megaspore mother cell is found near the region of

- (A) Micropyle
- (B) Chalaza
- (C) Nucellus
- (D) Integuments

Correct Answer: (A) Level: Moderate Tagging: Analyzing



Q191. Name the parts A, B, C, D and E in the given diagram.

- (A) a) A Germ pore B Generative cell C Intine D Exine E Vegetation cell
- (B) A Germ pore B Generative cell C Exine D Intine E Vegetation cell
- (C) A Intine B -Exine C Germ pore D Generative cell E Vegetation cell
- (D) A exine B -Intine C vegetation cell D -Germ pore E-Generative cell

Correct Answer: (D) Level: Moderate Tagging: Understanding

Q192. Nuclear endosperm has

- (A) Every nuclear division followed by wall formation
- (B) Initially free-nuclear divisions followed by wall formation
- (C) First division followed by wall formation and other free nuclear
- (D) None of the above

Correct Answer: **(B)** Level: **Moderate** Tagging: **Understanding**

Q193. Select the correct and incorrect statement.

- A. Tapetum nourishes developing pollen grains
- B. Hilum represents junction between ovule and funicle
- C. In aquatic plants, Water Hyacinth and Water Lily, pollination is by water
- D. Primary endosperm nucleus is triploid
- (A) A,B, Correct; C, D Incorrect
- (B) A,B, D Correct; C Incorrect
- (C) B, C, D, Correct; A Incorrect
- (D) A, D, Correct; B, C Incorrect

Correct Answer: **(B)** Level: **Moderate** Tagging: **Understanding**

Q194. Self-incompatibility is a device for I. Ensuring cross-pollination II. Preventing self-pollination III. Ensuring self-fertilisation IV. Genetic control for self-fertilisation Choose the correct statements from those

given above

- (A) I, II and III
- (B) I, II, III and IV
- (C) I, III and IV
- (D) I, II and IV

Correct Answer: (B) Level: Moderate Tagging: Understanding

Q195. Self-pollination means

- (A) Occurrence o male and female sex organs in the same flower
- (B) Germination of pollens within the anther
- (C) Transference of pollens from anther to the stigma within the same flower
- (D) Transference of pollens from one flower to another on the same plant

Correct Answer: (C) Level: Moderate Tagging: Understanding

Q196. What would be number of chromosomes in aleurone layer if megaspore mother cell contains 10 chromosomes?

- (A) 10
- (B) 20
- (C) 15
- (D) 30

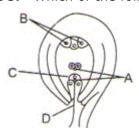
Correct Answer: (C) Level: Moderate Tagging: Analyzing

Q197. Which of the following floral parts forms pericarp after fertilization?

- (A) Nucellus
- (B) Outer integument
- (C) Ovary wall
- (D) Inner integument

Correct Answer: **(C)** Level: **Moderate** Tagging: **Analyzing**

Q198. Which of the following indicates correct names of A, B, C and D regions of the given diagram?



- (A) A- Male gamete B Antipodals C Egg cell D Pollen tube
- (B) A -synergids B Secondary nucleus C Egg apparatus D Integuments
- (C) A Antipodals B Male gametes C Zygote D Micropyle
- (D) A Secondary nucleus B Synergids C Egg cell D Integuments

Correct Answer: (A) Level: Moderate Tagging: Understanding

Q199. Which one of the following pairs of plants structures has haploid number of chromosomes?

- (A) Megaspore mother cell and antipodal cells
- (B) Egg cell and antipodal cells
- (C) Nucellus and antipodal cells
- (D) Egg nucleus and secondary nucleus

Correct Answer: (B) Level: Moderate Tagging: Understanding

Q200. Why sometimes, even diploid offspring is produced through parthenogenesis?

- (A) When offspring is produced without fertilization of diploid egg cell
- (B) When offspring is produced through fertilization of diploid egg cell
- (C) When offspring is produced without fertilization of haploid egg cell
- (D) When offspring is produced through fertilization of haploid egg cell

Correct Answer: (A) Level: Moderate Tagging: Understanding

Q201. Read the following statement and find out the incorrect statement.

- A. Embryo development precedes endosperm development.
- B. Though the seeds differs greatly the early stages of embryo development (embryogeny) are similar in both monocotyledons and dicotyledonous.
- C. A typical dicotyledonous embryo consists of an embryonal axis and two cotyledons.
- D. Endosperm may either be completely consumed by the developing embryo (e.g., castor and coconut) before seed maturation or it may persist in the mature seed (e.g., wheat, rice, maize, pea, groundnut and beans).
- E. The coconut water from tender coconut is cellular endosperm and the surrounding kernel is the nuclear endosperm.
- (A) A, B and C
- (B) B, C and D
- (C) C, D and E
- (D) A, D and E

Correct Answer: (D) Level: Difficult Tagging: Understanding

- **Q202.** Syngamy and triple fusion is called ...A... . The central cell becomes ...B... develops into ...C... and zygote develops into ...D... A, B, C, D in the above statement are
- (A) A-Fusion, B-haploid, C-diploid cell, D-embryo
- (B) A-double fertilization, B-PEN, C-endosperm, D-embryo
- (C) A-embryo, B-endosperm, C-PEN, D-diploid cell
- (D) A-PEN, B-endosperm, C-syngamy, D-fertilisation

Correct Answer: **(B)** Level: **Difficult** Tagging: **Understanding**

- **Q203.** The correct sequence of embryogeny in dicot seed is
- (A) Zygote, proembryo, globular, heart-shaped and mature embryo
- (B) Zygote, globular, proembryo, heart-shaped and mature embryo

- (C) Zygote, proembryo, heart-shaped, proembryo and mature embryo (D) Zygote, globular, heart-shaped and mature embryo. Correct Answer: (A) Level: **Difficult** Tagging: Understanding 5. Double Fertilisation **Q204.** Dicot embryo consists of (A) Radicle and plumule (B) Radicle, plumule, cotyledons and sometimes endosperm (C) Radicle, plumule, cotyledons and tegmen (D) Radicle, plumule, cotyledons and tegmen and testa Correct Answer: (B) Tagging: Understanding Level: **Easy Q205.** Double fertilization involves (A) Fertilization of the egg by two male gametes (B) Fertilization of the egg in the same embryo sac by two sperms brought by one pollen tube (C) Fertilization of the egg and the central cell by two sperms brought by different pollen tubes (D) Fertilization of the egg and the central cell by two sperms brought by the same pollen tube Correct Answer: (D) Level: **Easy** Tagging: Understanding **Q206.** Double fertilization is fusion of (A) Two eggs (B) Two eggs and polar nuclei (C) One male gamete with egg and other with synergid (D) One male gamete with egg and other with secondary nucleus Correct Answer: (D) Level: Easy Tagging: Understanding **Q207.** Double fertilization occurs among (A) Algae (B) Bryophytes (C) Angiosperms (D) Gymnosperms Correct Answer: (C) Level: **Easy** Tagging: Understanding Q208. Double fertilization was discovered by (A) Nawaschin (B) Strasburger (C) Emerson (D) None of these Correct Answer: (A) Level: Easy Tagging: Remembering
- **Q209.** In ovule protective covering (integuments) are generally in number

(A) 3		
(B) 2		
(C) 4		
(D) 1		
Correct Answer: (B)	Level: Easy	Tagging: Understanding
Q210. Nucellus forms which of the following	ng parts of fruit?	
(A) Seed coat		
(B) Perisperm		
(C) Seed		
(D) Raphe		
Correct Answer: (B)	Level: Easy	Tagging: Understanding
Q211. PEC (Primary Endosperm Cell) is fo	ormed	
(A) After triple fusion		
(B) Before triple fusion		
(C) At the time of syngamy		
(D) Always persisted		
Correct Answer: (A)	Level: Easy	Tagging: Understanding
Q212. Pollen grains are shed at		
(A) 1-celled stage		
(B) 2- celled stage		
(C) 2,3- celled stage		
(D) 5- celled stage		
Correct Answer: (B)	Level: Easy	Tagging: Analyzing
Q213. The number of female nuclei involv	ved in double fertilization is	
(A) 2		
(B) 3		
(C) 4		
(D) 1		
Correct Answer: (B)	Level: Easy	Tagging: Analyzing
Q214. Two nuclei with one cell are found	in	
(A) Antipodal cell		
(B) Chalazal cell		
(C) Central cell		
(D) Synergid cell		
Correct Answer: (C)	Level: Easy	Tagging: Analyzing

021	5 Vegetative fertilization leading t	o the formation of endosperm refers to	
(A)	Triple fusion	o the formation of endosperm refers to	
(B)	True fertilization		
(C)	Syngamy		
(D)	Generative fertilization		
Cor	rect Answer: (A)	Level: Easy	Tagging: Understanding
Q21	.6. Which of the following is the res	sult of double fertilization?	
(A)	Cotyledon		
(B)	Nucellus		
(C)	Endosperm		
(D)	None of these		
Cor	rect Answer: (C)	Level: Easy	Tagging: Analyzing
Q21	.7. Grafting is successful in dicots b	out not in monocots because the dicots ha	ve
(A)	Vascular bundles arranged in a ring	I	
(B)	Cambium for secondary growth		
(C)	Vessels with element arranged end	to end	
(D)	Cork cambium		
Cor	rect Answer: (B)	Level: Moderate	Tagging: Understanding
Q21		Level: Moderate crospore culture are preferred over diploid	
Q21	8. Haploid plants derived from mic	rospore culture are preferred over diploid	
Q21 beca (A)	.8. Haploid plants derived from micause in haploids	rospore culture are preferred over diploid	
Q21 beca (A)	.8. Haploid plants derived from mic ause in haploids Recessive mutations express imme	rospore culture are preferred over diploid	
Q21 becan (A) (B)	.8. Haploid plants derived from mice ause in haploids Recessive mutations express immediations are readily induced	crospore culture are preferred over diploid	
(A) (B) (C) (D)	.8. Haploid plants derived from mice ause in haploids Recessive mutations express immediations are readily induced Haploid cells can be easily cultured	crospore culture are preferred over diploid	
(A) (B) (C) (D) Cor	.8. Haploid plants derived from mice ause in haploids Recessive mutations express immediations are readily induced Haploid cells can be easily cultured Dominant mutations express immediates	crospore culture are preferred over diploid diately diately Level: Moderate	s for mutation studies,
(A) (B) (C) (D) Cor	.8. Haploid plants derived from mice ause in haploids Recessive mutations express immediately induced Haploid cells can be easily cultured Dominant mutations express immediately induced The provided Haploid cells can be easily cultured and the provided Haploid cells can be easily cultured and the provided Haploid cells can be easily cultured and the provided Haploid cells can be easily cultured and the provided Haploid cells can be easily cultured and the provided Haploid cells can be easily cultured the provided Haploid cells can be easily contained to the provided Haploid cells ca	crospore culture are preferred over diploid diately diately Level: Moderate the fusion of second sperm with	s for mutation studies,
Q21 beca (A) (B) (C) (D) Corr	.8. Haploid plants derived from mice ause in haploids Recessive mutations express immediately induced Mutations are readily induced Haploid cells can be easily cultured Dominant mutations express immediately express immediately express immediately. Priple fusion in angiosperm is the	crospore culture are preferred over diploid diately diately Level: Moderate the fusion of second sperm with	s for mutation studies,
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(A) (B) (C) (D) Cor (A) (B)	.8. Haploid plants derived from mice ause in haploids Recessive mutations express immediately induced Mutations are readily induced Haploid cells can be easily cultured Dominant mutations express immediately express immediately. P. Triple fusion in angiosperm is the Antipodal cell and one synergid cell Two antipodal cells	crospore culture are preferred over diploid diately diately Level: Moderate the fusion of second sperm with	s for mutation studies,
(A) (B) (C) (D) Cor (A) (B) (C) (D)	.8. Haploid plants derived from mice ause in haploids Recessive mutations express immediately induced Mutations are readily induced Haploid cells can be easily cultured Dominant mutations express immediately express immediately. P. Triple fusion in angiosperm is the Antipodal cell and one synergid cell two antipodal cells Two synergid cells	crospore culture are preferred over diploid diately diately Level: Moderate the fusion of second sperm with	s for mutation studies,
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Q21 beca (A) (B) (C) (D) Cor Q21 (A) (B) (C) (D) Cor Q22	Recessive mutations express immediate in haploids Recessive mutations express immediated Mutations are readily induced Haploid cells can be easily cultured Dominant mutations express immediated Answer: (A) 9. Triple fusion in angiosperm is the Antipodal cell and one synergid cell Two antipodal cells Two synergid cells Two polar nuclei rect Answer: (D) 10. Vegetative fertilization leading to	crospore culture are preferred over diploid diately diately Level: Moderate de fusion of second sperm with Level: Moderate to the formation of endosperm refers to secondary nucleus	Tagging: Understanding

(D) Fusion of two male gametes

Correct Answer: **(C)** Level: **Moderate** Tagging: **Analyzing**