



**ABHIGYAN
ACADEMY**

PLANT KINGDOM PYQs (2015-2024)



**ABHIGYAN
ACADEMY**

An irregular mode of reproduction resulting in the development of an embryo without fertilization is called

1. Parthenogenesis
2. Apogamy
3. Sporophytic budding

Select the correct answer using the code given below.

- (a) 1 only
- (b) 2 only
- (c) 2 and 3 only
- (d) 1, 2 and 3



**ABHIGYAN
ACADEMY**

Most antibiotics target bacterial parasites interfering with various factors of growth or metabolism such as

1. synthesis of cell wall
2. bacterial protein synthesis
3. synthesis of nuclear membrane
4. mitochondrial function

Select the correct answer using the code given below.

- (a) 1, 2 and 3
(b) 1 and 4
(c) 2 and 3 only
(d) 1 and 2 only



**ABHIGYAN
ACADEMY**

Syngamy results in formation of

- (a) haploid zygote
- (b) diploid zygote
- (c) non-motile male gametes
- (d) motile male gametes

11. The term, Phyllotaxy refers to the pattern of :

- (a) arrangement of leaves.
- (b) branching in stem.
- (c) flower formation on branch.
- (d) arrangement of flowers.



**ABHIGYAN
ACADEMY**

14. Which one of the following denotes a 'true' fruit?

- (a) When only the thalamus of the flower grows and develops into a fruit
- (b) When only the receptacle of the flower develops into a fruit
- (c) When fruit originates only from the calyx of a flower
- (d) When only the ovary of the flower grows into a fruit



**ABHIGYAN
ACADEMY**

90. Hyphae are :

- (a) produced by yeast.
- ☒ (b) thin threads formed by many fungi.
- (c) reproductive cells.
- (d) responsible for preventing the cell from losing water in wet conditions.



**ABHIGYAN
ACADEMY**

- 13.** Bacteria have an undefined nuclear region which lacks a nuclear membrane and contains only DNA without proteins. Such a region is called :
- (a) Nucleosome
 - (b) Nucleus
 - (c) Nucleoprotein
 - (d) Nucleoid



**ABHIGYAN
ACADEMY**

49. In ovules of Angiosperms, which one of the following is **not** a haploid cell ?

- (a) Nucellus
- (b) Synergid
- (c) Egg
- (d) Antipodal



**ABHIGYAN
ACADEMY**

45. Cell wall is absent in which one of the following organisms ?

- (a) Bacteria
- (b) Diatom
- (c) Mushroom
- (d) Tapeworm



**ABHIGYAN
ACADEMY**

79. Chlorophyll in photosynthetic prokaryotic bacteria is associated with

- (a) plastids
- (b) membranous vesicles
- (c) nucleoids
- (d) chromosomes



**ABHIGYAN
ACADEMY**

120. *Marsilea*, Fern and Horse-tail are examples of which one of the following plant groups ?

- (a) Pteridophyta
- (b) Bryophyta
- (c) Gymnosperms
- (d) Angiosperms



**ABHIGYAN
ACADEMY**

79. Chlorophyll in photosynthetic prokaryotic bacteria is associated with

- (a) plastids
- (b) membranous vesicles
- (c) nucleoids
- (d) chromosomes



**ABHIGYAN
ACADEMY**

91. Under the Kingdom Plantae, which of the following individuals are predominantly aquatic?

- (a) Bryophytes
- (b) Algae
- (c) Pteridophyta
- (d) Gymnosperms



**ABHIGYAN
ACADEMY**

95. Apart from hyper acid secretion, peptic ulcers are also developed due to bacterial infection. The causative agent is

- (a) *Helicobacter pylori*
- (b) *E. coli*
- (c) *Streptococcus pneumoniae*
- (d) *Salmonella typhimurium*



**ABHIGYAN
ACADEMY**

16. Which one of the following is the correct sequence of events during sexual reproduction in plants?

- (a) Seedling, formation of embryo, pollination, fertilization, division of zygote
- (b) Formation of embryo, seedling, pollination, fertilization, division of zygote
- (c) Pollination, fertilization, division of zygote, formation of embryo, seedling
- (d) Seedling, formation of embryo, division of zygote, pollination, fertilization



**ABHIGYAN
ACADEMY**

