

DPP

DAILY PRACTICE PROBLEMS

Class : XIIth
Date :

Solutions

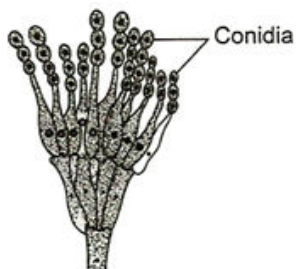
Subject : BIOLOGY
DPP No. : 7

Topic :- Reproduction in Organisms

- 3 (a)
Bamboo is the monocarpic plant (which reproduce once in their life time). They reproduce once in 50-100 yrs after their birth and after flowering they die

- 6 (a)
Asexual reproduction in plants called vegetative reproduction. Rhizome, runner, sucker all are the examples of asexual reproduction

- 7 (c)
Bodies involved in asexual reproduction
Conidia are non-motile gametes found singly or in chain on the parent body, *e.g.*, *Penicillium*



Conidia formation in *Penicillium*

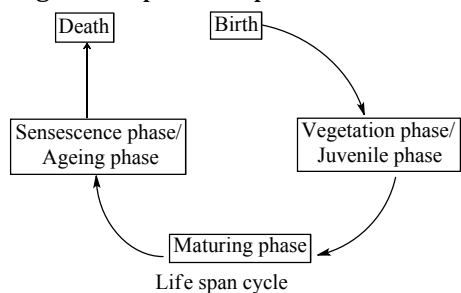
False **Gemmule formation** is the type of reproduction in which the buds are formed with in the parent body, *e.g.*, Sponge



Gemmule formation in sponge

- 9 (a)
Juvenile phase is the phase of life span in which growth of body and full development of

reproductive organ takes place. It is called vegetative phase in plants



- 10 **(d)**
Very essential event in sexual reproduction is fertilization and in fertilization the fusion of male and female gametes takes place
- 11 **(a)**
Budding In this type of asexual reproduction the daughter individual is formed on the small outgrowth of parent body, *e.g*, Yeast, *Hydra*, etc
- 15 **(a)**
Self-fertilisation is very common phenomenon in plants. This phenomenon takes place only when there is the presence of bisexual flower
- 18 **(c)**
Hermaphrodite/bisexual/monoecious/homothallic term used when both the sexes are present in same organism. Term 'hermaphrodite' is used in case of animals. Bisexual and monoecious used in both (animal/plant)
- 19 **(d)**
Male gametes are called antherozoids in case of lower organism like fungi and algae and in higher organism it is called sperm like mammals, reptiles, etc.

ANSWER-KEY										
Q.	1	2	3	4	5	6	7	8	9	10
A.	D	D	A	C	A	A	C	B	A	D
Q.	11	12	13	14	15	16	17	18	19	20
A.	A	D	B	C	A	B	A	C	D	B