

Class : XI<sup>th</sup>  
Date :

Subject : BIOLOGY  
DPP No. : 4

## Topic :- Plant Kingdom

- Pteridophytes are also known as
  - Cryptogams
  - Vascular cryptogams
  - Amphibious plants
  - Phanerogams
- Endosperm of gymnosperm is
  - Diploid
  - Tetraploid
  - Haploid
  - None of the above
- Have capacity of absorbing water used to replace cotton and used as a fuel is
  - Marchantia*
  - Riccia*
  - Sphagnum*
  - Funaria*
- Which of the following plant materials, is an efficient water imbibant?
  - Lignin
  - Pectin
  - Agar
  - Cellulose
- The first plants to appear after a forest fire are the ferns, this is because of the survival of their
  - Spores
  - Leaves
  - Fronds
  - Rhizomes
- If you are asked to classify the various algae into distinct groups, which of the following characters you should choose?
  - Types of pigments present in the cell
  - Nature of stored food materials in the cell
  - Structural organization of thallus
  - Chemical composition of the cell wall
- Which of the following is /are grouped under phanerogams?
  - Angiosperms
  - Gymnosperms
  - Pteridophytes
  - Both (a) and (b)
- Calyptra is derived from
  - Archegonia
  - Capsule
  - Antheridia
  - Columella
- Megaspore mother cell divides ...A... to give rise ...B... megaspores  
Identify the A and B and choose correct option
  - A-mitotically; B-two
  - A-mitotically; B-four
  - A-amitotically; B-four
  - A-dinomitotically; B-four

10. In *Cycas*
- |                           |                           |
|---------------------------|---------------------------|
| a) Archegonia are present | b) Antheridia are present |
| c) Archegonia are absent  | d) Both (a) and (b)       |
11. In angiospermic plant pollen grain reaches to embryo sac after its germination on ...A... and through ...B... . Here A and B refer to
- |                          |                            |
|--------------------------|----------------------------|
| a) A-anther; B-micropyle | b) A-stigma; B-pollen tube |
| c) A-stigma; B-micropyle | d) A-anther; B-pollen tube |
12. Largest gametophyte is found in
- |                |                       |                       |                 |
|----------------|-----------------------|-----------------------|-----------------|
| a) Angiosperms | b) <i>Polytrichum</i> | c) <i>Nephrolepis</i> | d) <i>Cycas</i> |
|----------------|-----------------------|-----------------------|-----------------|
13. Which is the source of turpentine oil?
- |                      |                      |                      |                      |
|----------------------|----------------------|----------------------|----------------------|
| a) Gymnospermic wood | b) Angiospermic wood | c) Gymnospermic seed | d) Angiospermic seed |
|----------------------|----------------------|----------------------|----------------------|
14. What is the ratio of equational division that takes place in *Cycas* and angiosperms respectively during the formation of male gametes from pollen grains?
- |          |          |          |          |
|----------|----------|----------|----------|
| a) 3 : 2 | b) 3 : 1 | c) 2 : 1 | d) 2 : 3 |
|----------|----------|----------|----------|
15. In moss, the sporophyte is differentiated into
- |                                |                           |
|--------------------------------|---------------------------|
| a) Seta and capsule            | b) Foot and seta          |
| c) Protonema, foot and capsule | d) Foot, seta and capsule |
16. In algae, sexual reproduction takes place through the fusion of two
- |           |              |            |              |
|-----------|--------------|------------|--------------|
| a) Spores | b) Fragments | c) Gametes | d) Zoospores |
|-----------|--------------|------------|--------------|
17. In *Spirogyra*, sometimes a ladder-like structure is present due to
- |                            |                            |
|----------------------------|----------------------------|
| a) Vegetative reproduction | b) Asexual reproduction    |
| c) Lateral conjugation     | d) Scalariform conjugation |
18. Embryo sac consists of
- |   |                     |
|---|---------------------|
| a) One egg cell                         | b) Two synergids    |
| c) Three antipodal and two polar nuclei | d) All of the above |
19. Triple fusion in angiosperms is the fusion of second male gamete with
- |   |   |
|---|---|
| a) Two polar nuclei (secondary nucleus) | b) Two antipodal cells                  |
| c) One antipodal cell                   | d) Antipodal cell and one synergid cell |
20. Carpel consists of
- |                             |                             |
|-----------------------------|-----------------------------|
| a) Style and stigma         | b) Style, stigma and pistil |
| c) Style, anther and pistil | d) Anther, style and stigma |