



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Biological Sciences Class: XI Date: 18.07.2020

Plant Kingdom: Gymnosperms F.M:15

WORKSHEET – 24

(1x15=15)

- i) Which of the following gymnosperms is a climber?
(1) *Cycas* (2) *Pinus* (3) *Gnetum* (4) ***Ephedra***
- ii) The roots of gymnosperms are
(1) Prop roots (2) Stilt roots (3) **Tap roots** (4) Fibrous roots
- iii) Which of the following organisms lack branched stems?
(1) *Pinus* (2) *Gnetum* (3) ***Cycas*** (4) All of these
- iv) The vessels in xylem is absent except
(1) *Pinus* (2) *Cycas* (3) *Ephedra* (4) ***Gnetum***
- v) Secondary growth is observed in
(1) *Riccia* (2) *Dryopteris* (3) ***Pinus*** (4) *Pteris*
- vi) Pollination in gymnosperms is
(1) Hydrophilous (2) **Anemophilous** (3) Entomophilous (4) Ornithophilous
- vii) Which of the following have ciliated male gamete?
(1) *Cycas* (2) *Ginkgo* (3) **Both (1) and (2)** (4) None of these
- viii) In which of the following polyembryony is observed?
(1) *Marchantia* (2) *Angiopteris* (3) ***Pinus*** (4) All of these
- ix) In *Pinus*, the seeds germinate to form-
(1) Gametophyte (2) **Sporophyte** (3) Both (1) and (2) (4) None of these
- x) The similarities between gymnosperms and pteridophytes
(1) Secondary growth (2) Ovule formation (3) Seed formation (4) **Presence of vascular bundles**
- xi) Ginkgolide is obtained from
(1) Bryophyte (2) Pteridophyte (3) **Gymnosperms** (4) Angiosperms
- xii) Turpentine is obtained from-
(1) ***Pinus*** (2) *Ginkgo* (3) *Cycas* (4) *Ephedra*
- xiii) Flowers are unisexual in -
(1) *Cedrus* (2) *Araucaria* (3) *Cryptomeria* (4) **All of these**
- xiv) 'Showers of Sulphur' is due to the deposition of _____ of *Pinus* on the forest floor
(1) Seeds (2) Flowers (3) **Pollen** (4) None of these
- xv) Pollens grains of *Pinus* are-
(1) **Bisaccate** (2) Monosaccate (3) Nonsaccate (4) Trisaccate

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