

SEM	SET	PAPER CODE	TITLE OF THE PAPER
II	2014	14PBC2202A	LIFE SCIENCES FOR COMPETITIVE EXAMINATIONS – I

SECTION - A**Answer all the questions:****30 × 1 = 30****Choose the correct answer:**

- A related group of genera comprise
 - order
 - family
 - class
 - phylum
- The binomial system of classification was developed by
 - Darwin
 - Wallace
 - Linnaeus
 - Malthus
- Which one of the following is not a unicellular organism?
 - E.Coli
 - yeast
 - Blue green algae
 - mushroom
- The functional unit of living organism is
 - tissue
 - organ
 - cell
 - atom
- In order to preserve the specimen in Herbarium sheet _____ is sprayed.
 - Ethylene
 - DDT
 - Bromohexane
 - Mercuric chloride

6. The credit for discovery of cell goes to
- a) Robert Brown
 - b) Robert Hooke
 - c) Robertson
 - d) Anton Van Leeuwenhoek
7. Which one of the following is not present in plants.
- a) cell wall
 - b) cell membrane
 - c) centrioles
 - d) chloroplast
8. In Bentham and Hooker classification of plants, the present day 'orders' were referred to by them as
- a) series
 - b) order
 - c) families
 - d) cohorts
9. One statement is not correct regarding prokaryote.
- a) They have distinct nuclear membrane
 - b) They do not contain mitochondria
 - c) They have DNA as genetic material
 - d) They have cell wall.
10. Cell wall of fungi is predominantly made up of
- a) cellulose
 - b) Chitin
 - c) Glycoprotein
 - d) Tubulin
11. Which one of the following is not bounded by double membrane?
- a) nucleus
 - b) chloroplast
 - c) mitochondria
 - d) lysosome
12. Ribosomes are associated with
- a) photosynthesis
 - b) Respiration
 - c) protein synthesis
 - d) photorespiration
13. Which one of the following is not a phytohormone?
- a) Auxin
 - b) Anthocyanin
 - c) Cytokinin
 - d) Abscisic acid

14. The precursor for the synthesis of auxin in plants is
- a) Tryptophan
 - b) Tyrosine
 - c) Phenylalanine
 - d) Acetic acid
15. Gibberallins are derivatives of
- a) Monoterpenes
 - b) Sesquiterpenes
 - c) Diterpenes
 - d) triterpenes
16. The ripening of fruit is carried out by _____.
- a) Auxin
 - b) Cytokinin
 - c) Abscisic acid
 - d) Ethylene
17. Major form of nitrogen taken up by majority of plants from soil is
- a) Nitrates and Nitrites
 - b) Molecular nitrogen
 - c) Amino acid
 - d) Ammonia
18. The movement of plant parts towards light is known as
- a) geotropism
 - b) phototropism
 - c) Androtropism
 - d) epitropism
19. Which one of the following cannot carry out photosynthesis?
- a) Algae
 - b) Bluegreen algae
 - c) higher plants
 - d) Fungi
20. The product of light reaction are
- a) only ATP
 - b) only NADPH + H⁺
 - c) Both ATP and NADPH + H⁺
 - d) Both ATP and NADH₂
21. Photorespiration pathway is otherwise known as
- a) C₃ cycle
 - b) C₄ cycle
 - c) CAM pathway
 - d) C₂ cycle
22. Which one of the following is not a secondary metabolites?
- a) Alkaloid
 - b) Cephalin
 - c) Terpenoid
 - d) Saponin

23. The plants that grow in high salt concentration are called _____.
- a) Halophytes
 - b) Xerophytes
 - c) Hydrophytes
 - d) epiphytes
24. The plants of _____ region are not susceptible to chilling injury.
- a) Tropical
 - b) sub-tropical
 - c) Desert
 - d) Temperate
25. Decibel is a measuring unit for which types of pollution.
- a) Air pollution
 - b) Noise pollution
 - c) Water pollution
 - d) Soil pollution
26. Which of the following country is not rich in biodiversity?
- a) India
 - b) Brazil
 - c) China
 - d) Saudi Arabia
27. Gir National park is famous for which animal.
- a) Leopard
 - b) Tiger
 - c) Lion
 - d) Crocodile
28. Removal of waste or pollutant using microorganism is called _____.
- a) Biotransformation
 - b) Bioconcentration
 - c) Biomagnification
 - d) Bioremediation
29. A method of disposing solid waste where they are allowed to decompose in a safe way.
- a) composting
 - b) Landfill
 - c) pyrolysis
 - d) Incineration
30. Biofiltration means
- a) Treatment of solid waste
 - b) Treatment of liquid waste
 - c) Treatment of contaminated vapour and gases
 - d) All the above
