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BIOLOGY

BOOKS - SARAS PUBLICATION

DO YOU KNOW QUESTIONS AND ANSWER

Exercise

1. ___ is the oldest viable seed of Arctic Tundra



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2. Powered seeds of moringa oleifera is used
to _____



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3. _____ seed was isolated from king Herod's
palace near dead sea



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4. The local name of phoenix dactylifera is



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5. The size of ribosomes and their sub units

are give in

A. SI unit

B. Solubility factor

C. Svedberg unit

D. Sub - cellular unit

Answer:



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6. _____ word is used by the wood anatomists to refer the vessels as pores in transverse section.

A. Tyloses

B. Porous

C. Vessels

D. Fibers

Answer:



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7. _____ are tylose like ingrowths found in gymnosperms and angiosperms.

A. Phellogen

B. Tylosoids

C. complementary tissue

D. Sap wood

Answer:



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8. Which of the following is used in fumigation.

A. Potassium permanganate

B. Phosphorus

C. Sulphur

D. Magnesium sulfate

Answer:



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9. Aquaporin is discovered by

A. Peter Agre

B. Went

C. Ringer

Answer:



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10. _____ is a Ca^{2+} modulating protein in eukaryotic cells.

A. Chlorophyll

B. Calmodulin

C. Auxin

D. none of these

Answer:



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11. _____ are indicators of SO_2 pollution.

A. Lichens

B. Mycorrhizae

C. Anthoceros

D. Nostoc

Answer:



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12. The most abundant protein found on earth
is

- A. Elastin
- B. RUBISCO
- C. Actin
- D. Collagen

Answer:



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13. Kranz anatomy is one of the characteristics
of the leaves of _____

A. C_1 plants

B. C_2 plants

C. C_3 plants

D. C_4 plants

Answer:



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14. _____ resistant respiration is believed to be responsible for the climacteric in fruits.
- A. Cyanide
 - B. Oligomycin
 - C. 2,4 DNP
 - D. Rotenone

Answer:



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15. Red colour in various parts of plants is due to the presence of _____

A. Carotenoids

B. Phytochrome

C. Anthocyanin

D. A and B

Answer:



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16. One single maize root apical meristem can give rise to _____ new cells per hour.

A. 17000

B. 16500

C. 17500

D. 16000

Answer:



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17. Who was first to obtain viruses in crystalline form?

A. Edward Jenner

B. W.M stanely

C. Adolf Mayer

D. Beijierink

Answer:



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18. The Nobel prize in chemistry 1946 was awarded to

A. stanley and Northrop

B. Luc Montagnier and Robert Gallo

C. Dimitry Ivanowsky

D. Beijerink

Answer:



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19. Tulip breaking virus belong to

A. Arenaviridae

B. Filoviridae

C. Potyviridae

D. Flaviviridae

Answer:



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20. Viruses of _____ group are commercially exploited as insecticides

A. Baculoviridae

B. bunyaviridae

C. Arenaviridae

D. polyviridae

Answer:



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21. Which algae cause red tide?

- A. Euglenoids
- B. Dinoflagellae
- C. Xanthophyta
- D. Pyrrophyta

Answer:



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22. Founder of modern Bacteriology _____

- A. Robert Koch
- B. Christian Gram
- C. Fredrick Griffith
- D. Lederberg

Answer:



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23. The Nobel Prize in Medicine 1905 was awarded to

A. David H. Bergy

B. C.G Ehrenberg

C. Robert Koch

D. Copeland

Answer:



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24. Which gram negative bacterium caused duodenal and gastric ulcers?

A. *Bacillus thuringiensis*

B. *Helicobacter pylori*

C. *Baculovirus*

D. *Adenovirus*

Answer:



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25. PHB is a

A. Synthetic plastic

B. Synthetic fibre

C. Microbial fibre

D. Microbial plastic

Answer:



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26. _____ is a superbug which breakdown hydrocarbons

A. (a) *Pseudomonas putida*

B. (b) *Agrobacterium*

C. (c) *Thermus aquaticus*

D. (d) *Methanobacterium*

Answer:



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27. What is Pruteen?

- A. Algal protein
- B. Single cell protein
- C. Fungi
- D. Viral disease

Answer:



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28. Pruteen is derived from

A. (a) Halobacterium

B. (b) Pseudomonas

C. (c) Methylophilus

D. (d) Methenobacterium

Answer:



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29. Write notes on *Thermus aquaticus*

A. Taq polymerase

B. Single cell protein

C. Fatty acid

D. Minerals

Answer:



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30. _____ is exploited for the production of β carotene.

A. Agrobacterium

B. *Thermus aquiticus*

C. *Halobacterium*

D. *Pseudomonas*

Answer:



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31. Who is the Father of Indian Mycology?

A. E.J. Butler

B. P.A.Micheli

C. H.R.Buller

D. T.S. Sadasivan

Answer:



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32. Who is the Father of Indian Phycology?

A. M.O. Parthasarathy

B. Shiv Ram Kashyap

C. Prof. Bibal Sahni

D. H.R. Buller

Answer:



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33. Father of Indian Palaeobotany

A. M.O. Parthasarathy

B. Shiv Ram Kashyap

C. Prof. Birbal Sahni

D. H.R. Buller

Answer:



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34. Shiv ram kashyap has done a lot of work on

.....

- A. Father of India Phycology
- B. Father of India Mycology
- C. Father of Indian Bryology
- D. Father of Palaeobotany

Answer:



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35. Kelps are the rich source of

- A. Iodine
- B. Potassium
- C. Magnesium
- D. Phosphorus

Answer:



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36. _____ deals with the cultivation of flowers and ornamental crops .

A. Floriculture

B. pomology

C. Fruticulture

D. Flower culture

Answer:



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37. Asexual reproductive stage of fungus is called _____



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38. Sexual reproductive stage of fungus is called _____



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39. World 's smallest water-lily is

- A. *Nymphaea ondinea*
- B. *Nymphaea petaloidea*
- C. *Nymphaea thermarum*
- D. *Nymphaea nucifera*

Answer:



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40. International year of pules

A. 1015

B. 2016

C. 2017

D. 2018

Answer:



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41. The seeds of _____ are used in necklaces.

- A. *Adenanthera paronina*
- B. *Abrus precatorius*
- C. *Galega officinalis*
- D. *Clitoria ternatea*

Answer: *Lathyrus odoratus*



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42. Metformin present in

- A. *Butea monosperma*
- B. *Galega officinalis*
- C. *Tephrosea purpurea*
- D. *Lathyrus odoratus*

Answer:



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43. The seeds of *Adenanthera pavonia* have been used as



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44. In yucca the cross pollination carried out by

A. *Pronuba yuccasella*

B. *Bombyx mori*

C. *Actias luna*

D. Lymantria dispar

Answer:



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45. Water loving polar molecules are called

A. hydrophobic molecule

B. hydrophilic molecule

C. hygroscopic molecule

D. hydrolytic molecule

Answer:



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46. The production of gameters was introduced by

- A. Robert Brown
- B. Anton Scheider
- C. Walther Flemming
- D. Edward Strasburger

Answer:



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47. The DNA of cell in _____ state do not replicate

A. G

B. G_0

C. S

D. G_1

Answer:



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48. Father of plant anatomy

A. Katherine Esau

B. Nehemiah Gwew

C. Hanstein

D. Harting

Answer:



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49. A legendary role model for women in science is

A. (a) Katherine Esau

B. (b) Tschirch

C. (c) Bloch

D. (d) Sanio

Answer:



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50. Anatomy of seed plants written by

A. Haberland

B. Hofmeister

C. Schleiden

D. Katherin Esau

Answer:



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51. Longest fibers occur in

A. Boehmeria

B. Cotton

C. Coconut

D. Abaca

Answer:



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52. The length of ramie fibre is

A. 35cm

B. 45cm

C. 55cm

D. 65cm

Answer:



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53. Membrane which inhibit the movement of both solvent and solute molecules is

- A. Inpermeable
- B. Semipermeable membrane
- C. Permeable membrane
- D. All the above

Answer:



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54. Cellulosic cell wall is an example of

- A. Permeable membrane
- B. Semi permeable membrane
- C. Impermeable membrane
- D. None of the above

Answer:



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55. In _____, the biomembranes allow some solutes to pass in addition to the solvent molecules.

- A. Permeable membrane
- B. Semipermeable membrane
- C. Selectively permeable membrane
- D. Impermeable membrane

Answer:



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56. _____ made first observation of mineral nutrition.

- A. Wood word
- B. Liebig
- C. Van Helmont
- D. William

Answer:



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57. "Soil provides mineral nutrients required for their growth". Explained by

- A. Wood word
- B. De Saussure
- C. Liebig
- D. Julius Von Sachs

Answer:



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58. "plant growth depends on by roots from soil." - Explained by

- A. Wood word
- B. De Saussure
- C. Liebig
- D. Julius Von Sachs

Answer:



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59. _____ demonstrated growing a plant in a defined nutrient solution.

- A. Wood word
- B. De Saussure
- C. Liebig
- D. Julius Von Sachs

Answer:



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60. Who coined the term hydroponics ?

- A. Julius Von Sachs
- B. William Frederick Goerick
- C. Liebig
- D. Wood word

Answer:



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61. Which of the following is chemical chelating agent?

A. Siderophores

B. EDTA

C. NPK fertilizer

D. All of these

Answer:



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62. Tricarboxylic Acid (TCA) cycle was described by

- A. Embden
- B. Pepys and Blackman
- C. Lipmann
- D. Adolf Kerbs

Answer:



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63. Who received Nobel Prize for chemistry in 1978 for his work on the coupling of oxidation and phosphorylation in mitochondria.

A. nKerbs

B. Lipmann

C. Peter Mitchell

D. (a) and (b)

Answer:



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64. Two phenoxy herbicides are

A. 2,4-D and 2,4,5-T

B. IAA and PAA

C. TIBA and 2,4-D

D. IBA and TIBA

Answer:



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65. The term florigen was coined by

A. Maheswari

B. Chailkyan

C. R.Gane

D. Richmond Hang

Answer:



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