

BIOLOGY FULL PORTION (ONE MARK, COMPULSORY QUESTIONS)

TOTAL MARKS : 40

BIO - BOTANY

14×1 = 14

- 1. If naming the plant is from a source of error it is regarded as**
a) Tautonym b) herbarium c) ambiguum d) species
- 2. rapinat herbarium is in**
a) chennai b) Coimbatore c) trichy d) Kolkata
- 3. the binomial system was introduced in 1623 by**
a) carlous linnacus b) gaspard bauhin c) prantl d) Darwin
- 4. the root hairs are produced from**
a) Rhizodermis b) trichomes c) accessory cell d) trichoglasts
- 5. the casparian strips are found in the endodermis of**
a) Dicot stem b) dicot root c) monocot stem d) dicot leaf
- 6. which of the following carries genetic information from DNA to ribosome**
a) mRNA b) tRNA c) rRNA d) SRNA
- 7. lamp brush chromosome were first observed by**
a) flemming b) balbiani c) bridges d) waldeyear
- 8. the enzyme that is used to join two DNA fragments together is**
a) frestriction endohyclease b) cellulose c) DNA ligase d) DNA polymerase
- 9. a loxic protein called delta endotoxin is insecticidal and it is produced by ...**
a) Escherichia coli b) streptomyces giriseus c) bacillus thuringiensis d) bacillus lacti
- 10. an example for saprophytic angiosperm is.....**
a) drosera b) viscum c) monotropa d) vanda
- 11. auxin prevents are.....**
a) apical dominance b) ageing process c) parthinacarp d) abscission
- 12. which of the following is C₄ plants**

a)rice b) wheat c) sugarcane d) potato

13. the binomial of vilvam is

a) a calypha indica b)aegle marmelos c)cissus quadrangularis d)mimosa pudica

14. powdered seeds of cola nitida can be used a substitute for

a) tea b) coffee c) cold drinks d) fruit juice

BIO ZOOLOGY

16×1=16

15. the fertilized eggs are selected for the transfer of

a) whole nuclei b)whole chromosome c) DNA segment d) some gene to cultured cells

16.the person suffering from sickle cell anaemia but survive have the genotype.

a) Hb Hb b) Hb Hb c) Hb Hb d) Hb Hb

17. the most abundant green house gas is

a)NO₂ b) CO₂ c) O₂ d) SO₂

18. Which of the following is considered as a future source of power that can meet our unlimited demand?

a) hydel power b) hydrogen power c) solar power d) thermal power

19. the condition of wrinkled and keratinised corneal epithelium is called

a)xerosis b) xerophthalmia c) dementia d) oesteo malacia

20. the percentage of oxygenin the inhaled air is

a) 79.0 b)0.04 c) 21.00 d) 15.70

21. which part of the brain aids in visual tracking of moving object ?

a) superior colliculi b)inferior colliculi c) cerebellum d)primary motor area

22. graves disease is otherwise known as

a) diabetes b)thyrotoxicosis c) cretinism d) dwarfism

23. the milk fever is due to the inability of the animal to assimilate ...from the feed.

- a) Mg b) K c) P d) C
24. The cattle breeds belonging to dairy breed are
- a) sindhi and gir b) kangayam and siri c) hariyana and ongole d) bos taures
25. the diluting fluid used for counting of WBC is
- a) hayems solution b) turks solution c) eosin solution d) red litmus solution
26. when the phenotypic features coincide with normal environmental situation the selection is said to be
- a) stabilizing selection b) polymorphism c) directional selection d) disruptive selection
27. the production of scattered purplish lesions over the chest and abdomen is due to
- a) pernicious anaemia b) pernicious malaria c) kaposi sarcoma d) syphilis
28. the diarrhoea in children is associated with
- a) yersinia pestis b) rabies c) giardia intestinalis d) trichomonads
29. which of the following is the largest of all?
- a) pox virus b) hepatitis – B c) TMV d) SV 15
30. The graft of transplanting an organ from pig to human is known as.....
- a) autograft b) isograft c) xenograft d) allograft

COMPULSORY QUESTIONS

31. Write a short notes on antibody mediated immunity. (BIO – ZOOLOGY)
32. write any five salient features of ICBN.(BIO – BOTANY)