

12th Biology – Half Yearly Exam Answer Keys 2017

Bio-Botany

SECTION-A

- 1).d)Differentiation
2. b)Mouse eared cress
- 3) a)Solanum melongena
- 4). d) Malic acid
- 5.) c)400-700nm
- 6). b) Bacitracin
- 7) c) Musaceae
- 8) a) Muton
- 9) b) Polyethylene Glycol
- 10) a) Compound cyme
11. b) Polyploidy
12. a) Ribosomal RNA
- 13) c) Phloem parenchyma
- 14) b) Monotropa

SECTION –B

15. it produces flowers and fruits once during its life time. Eg. Musa
- 16,RNA molecules capable of controlling and expression of a particular enzymes which are involved in the process of ripening. Eg .tomato
- 17.suppression of growth in lateral bud by apical bud due to auxin produced by apical bud is termed as apical dominance
18. diagram
19. i) PSI only remains active
 - ii) photolysis of water doesn't remain active
 - iii) requirement of ATP is more
 - iv) non availability ofATP is more

20. Bicollateral vascular bundle-diagram

21. photorespiration and dark respiration

22. polynomials: composed of several words in series constituting more or less the description of the plant ex (caryophyllum)

23. dicot and monocot difference (pg no56)

24. Recurrent parent

Repeated backcrosses are attempted with the parent crop with more desirable characters and such a crop is known as recurrent parent

SECTION-C

25. Pg no:10

26:pg no :42,43

27.pg no :77

28. pg no: 98

29. pg no :117

30.pg no :141

31.pg no :167

SECTION-D

32. pg no:30

33:pg no:48

34.pg no :100

35.pg no:129

BIO-ZOOLOGY

SECTION-A

1. C) When sunlight strikes on skin ergosterol present beneath the skin will be converted into calciferol.it is good to our body
2. C)After long rest muscle contraction ability would be half to the maximum ability
3. B) At premotor area of brain ,motor impulses are produced integrated through post motor nerves the impulses are taken to muscles
4. D) sound waves---vibrate tympanic membrane—movement of ear ossicles—vibration of oval window---wave in perilymph---waves in endolymph---basilar membrane disturbed----bending of hair cells---transmission by auditory nerve
5. B) iii) i) iv) ii)
6. D)assertion is correct ,reason is also correct , reason explains the assertion perfectly
7. A) HIV-Spherical shaped virus
8. C) A outlet duct B inlet duct C capsule D lymphatic blood vessels
9. D) The cells of tadpole larva of frogs are totipotent
10. D) amino acid sequences – fat molecules
11. D) i),ii)iv) only
12. D) a and b
13. A)our local breed cows produce small quantity of milk but exoticbreeds produce large quantity of milk
14. C) this breed of fowl grows rapidly and benefits
15. D) b and c
16. B) second law

SECTION-B

17. Cardio-pulmonary resuscitation
18. Nyctalopia-deficiency of vit-A
19. Anthroponoses -127
20. Thymus gland chief organ-production of t-lymphocyte -140
21. Antigen-antibody Difference -142
22. Differentiation-160
23. Pedigree analysis
24. Merits 2 points
25. Solar energy,tidal energy,ocean energy,geothermal energy,bio gas
26. Bendicts reagent method,glucose oxidase method ,thin layer chromatography o-toluidene method
27. CT scan combines the use of digital computer together with a rotating X-ray device to creat detailed cross sectional image sor slices of the different organs.
28. Hardy Weinberg law- $p+q=1$

SECTION-C

29. Sleep-57
30. Bacterial genetics

31. Inflammatory barrier –
32. Cloning method
33. Mac dougall's experiment

SECTION-D

34. Small intestine-12,13
35. Adrenaline hormone -74,75
36. Poverty-200,201
37. The maintenance of poultry farming-219

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