



Perfect solution to all problems

Tips, Tricks, General Knowledge, Current Affairs, Latest Sample,
Previous Year, Practice Papers with solutions.

CBSE 12th Biology 2015 Unsolved Paper Delhi Board

By Solution: <http://www.4ono.com/cbse-12th-biology-previous-year-solved-papers/>

Note

This pdf file is downloaded from www.4ono.com. Editing the content or publicizing this on any blog or website without the written permission of [Rewire Media](#) is punishable, the suffering will be decided under

DMC

Q. 10. Many fresh water animals cannot survive in marine environment. Explain. *2 marks*

OR

How are productivity, gross productivity, net primary productivity and secondary productivity interrelated?

SECTION-C

Q. 11. Double fertilization is reported in plants of both, castor and groundnut. However, the mature seeds of groundnut are non-albuminous and castor are albuminous. Explain the post fertilization events that are responsible for it. *3 marks*

Q. 12. Describe the process of parturition in humans. *3 marks*

Q. 13. A teacher wants his/her students to find the genotype of pea plants bearing purple coloured flowers in their school garden. Name and explain the cross that will make it possible. *3 marks*

Q. 14. (a) A NDA segment has a total of 1000 nucleotides, out of which 240 of them are adenine containing nucleotides. How many pyrimidine bases this DNA segment possesses?

(b) Draw a diagrammatic sketch of a portion of DNA segment to support your answer. *3 marks*

Q. 15. Explain adaptive radiation with the help of a suitable example. *3 marks*

Q. 16. Enlist the steps involved in inbreeding of cattle. Suggest two disadvantages of this practice. *3 marks*

Q. 17. A team of students are preparing to participate in the inter school sports meet. During a practice session you find some vials with labels of certain cannabinoids. *3 marks*

OR

"Determination of Biological Oxygen Demand (BOD) can help in suggesting the quality of a water body." Explain.

Q.22. Draw a labelled sketch of sparged-stirred-tank bioreactor. Write its application. 3 marks

SECTION-D

Q. 23. Since October 02, 2014 "Swachh Bharat Abhiyan" has been launched in our country. 4 marks

- Write your views on this initiative giving justification.**
- As a biologist name two problems that you may face while implementing the programme in your locality.**
- Suggest two remedial methods to overcome these problems.**

SECTION -E

Q.24. A flower of tomato plant following the process of sexual reproduction produces 240 viable seeds. 5 marks

Answer the following questions giving reasons:

- What is the minimum number of pollen grains that must have been involved in the pollination of its pistil?**
- What would have been the minimum number of ovules present in the ovary?**
- How many megaspore mother cells were involved?**
- What is the minimum number of microspore mother cells involved in the above case?**
- How many male gametes were involved in this case?**

OR

During the reproductive cycle of a human female, when, where and how does a placenta develop? What is the function of placenta during pregnancy and embryo development?

Q.25. Explain the genetic basis of blood grouping in human population. 5 marks.

OR

How did Hershey and Chase established that DNA is transferred from virus to bacteria?

Q. 26. "Analysis of age-pyramids for human population can provide important inputs for long-term planning strategies." Explain. 5 marks

OR

Describe the advantages for keeping the ecosystems healthy.



**All
the Best**