

**Government College of Engineering, Aurangabad**  
(An Autonomous Institute of Government of Maharashtra)  
**F. E. (Civil/Mechanical/Electrical) Examination (CBCS)**  
End Semester Examination/Re Examination

**BS1005 - BIOLOGY**

Time: Three Hours

Max. Marks: 60

19 DEC 2016

*“Verify the Course Code and check whether you have got the correct question paper”*

**N.B:-**

1. All questions are compulsory
2. Figures to the right indicate full marks
3. Assume suitable data if necessary and state it clearly
4. Use of non-programmable calculator is allowed

**Q1. Attempt any Two.**

**(12)**

- i. Write a note on Polypeptide
- ii. Explain the structure of DNA with neat diagram.
- iii. What are carbohydrates? Explain their classification?

**Q2. Attempt any Two.**

**(12)**

- i. Write notes on site of ATP synthesis.
- ii. Explain significance of mitosis.
- iii. Write notes on Plant tissues with suitable diagrams.

**Q3. Attempt any Two.**

**(12)**

- i. Explain chromosomes with neat diagrams.
- ii. Explain Biomolecules with examples.
- iii. Differentiate prokaryotic and eukaryotic cells.

**Q4. Attempt any Two.**

**(12)**

- i. Explain law of segregation with appropriate example.
- ii. Write a brief note on origin of life.
- iii. Explain the theory of Lamarckism

**Q5. Attempt any Two.**

**(12)**

- i. Explain work of Linnaeus.
- ii. Explain economic importance of oil seeds.
- iii. Write economic importance of sugars.

