

Code No: R07A12102

R07

Set No. 2

**I B.Tech Examinations, June 2011
FUNDAMENTALS OF BIOLOGY
Bio-Technology**

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. How the nervous system does exert a profound influence on all digestive processes? [16]
2. Give an account of microbial enzymes and biotransformation. [16]
3. What are senses? What are the senses that fall under the category of chemoreception? Explain the structure of taste buds, types of tastes and disorders of tongue. [16]
4. Explain the endoerythrocytic and exoerythrocytic cycle of malarial parasite. [16]
5. Give an account of gene expression and genetic code. [16]
6. Define photoautotrophic and chemoheterotrophic microbes. [16]
7. Write an essay on the biology of pest relation to ground nut. [16]
8. Give a detailed account on fermentation and aerobic respiration. What energy yielding pathway is common to both fermentation and aerobic respiration? [16]

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R07

Set No. 4

**I B.Tech Examinations, June 2011
FUNDAMENTALS OF BIOLOGY
Bio-Technology**

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. Define photoautotrophic and chemoheterotrophic microbes. [16]
2. Explain the endoerythrocytic and exoerythrocytic cycle of malarial parasite. [16]
3. Give an account of gene expression and genetic code. [16]
4. Give an account of microbial enzymes and biotransformation. [16]
5. What are senses? What are the senses that fall under the category of chemoreception? Explain the structure of taste buds, types of tastes and disorders of tongue. [16]
6. How the nervous system does exert a profound influence on all digestive processes? [16]
7. Write an essay on the biology of pest relation to ground nut. [16]
8. Give a detailed account on fermentation and aerobic respiration. What energy yielding pathway is common to both fermentation and aerobic respiration? [16]

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R07

Set No. 1

**I B.Tech Examinations, June 2011
FUNDAMENTALS OF BIOLOGY
Bio-Technology**

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. Write an essay on the biology of pest relation to ground nut. [16]
2. Give a detailed account on fermentation and aerobic respiration. What energy yielding pathway is common to both fermentation and aerobic respiration? [16]
3. Define photoautotrophic and chemoheterotrophic microbes. [16]
4. Give an account of microbial enzymes and biotransformation. [16]
5. What are senses? What are the senses that fall under the category of chemoreception? Explain the structure of taste buds, types of tastes and disorders of tongue. [16]
6. Explain the endoerythrocytic and exoerythrocytic cycle of malarial parasite. [16]
7. How the nervous system does exert a profound influence on all digestive processes? [16]
8. Give an account of gene expression and genetic code. [16]

Code No: R07A12102

R07

Set No. 3

**I B.Tech Examinations, June 2011
FUNDAMENTALS OF BIOLOGY
Bio-Technology**

Time: 3 hours

Max Marks: 80

**Answer any FIVE Questions
All Questions carry equal marks**

1. Give an account of gene expression and genetic code. [16]
2. Give a detailed account on fermentation and aerobic respiration. What energy yielding pathway is common to both fermentation and aerobic respiration? [16]
3. Define photoautotrophic and chemoheterotrophic microbes. [16]
4. How the nervous system does exert a profound influence on all digestive processes? [16]
5. What are senses? What are the senses that fall under the category of chemoreception? Explain the structure of taste buds, types of tastes and disorders of tongue. [16]
6. Give an account of microbial enzymes and biotransformation. [16]
7. Write an essay on the biology of pest relation to ground nut. [16]
8. Explain the endoerythrocytic and exoerythrocytic cycle of malarial parasite. [16]
