

TALEEMI DUNYA

Test Syllabus: Unit # 2

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|----------|--|-------|------------------|----------|-----|---------|--------|
| St. Name | | Test | Biology | T. Marks | 30 | Time | 60 Min |
| F. Name | | Class | 11 th | T. Code | U#2 | T. Date | |

NOTE: Four possible answers A, B, C and D to each question are given. The choice which you think is correct, fill that circle in front of that Question with Marker or Pen ink. Cutting or filling two or more circles will result in zero mark in that question. **6.**

| | | | | | | | |
|-----|---|-----|-------------------------|-----|------------------|-----|------------|
| 1 | Insulin chain are held together by: | | | | | | |
| (a) | Hydrogen Bond | (b) | Hydrophobic interaction | (c) | Disulfide bridge | (d) | Ionic Bond |
| 2 | Hemoglobin consist of -----chains: | | | | | | |
| (a) | 7 | (b) | 2 | (c) | 3 | (d) | 4 |
| 3 | In each of turn of helix ---- amino acid are present: | | | | | | |
| (a) | 10 | (b) | 3.6 | (c) | 27 | (d) | 20 |
| 4 | Nitrogenous base is attached to which carbon number of ribose: | | | | | | |
| (a) | 1 | (b) | 2 | (c) | 3 | (d) | 5 |
| 5 | Deoxyribose contain an oxygen removed from OH group at carbon number: | | | | | | |
| (a) | 1 | (b) | 2 | (c) | 3 | (d) | 4 |
| 6 | Heat of vaporization is expressed as calories absorbed per ----- vaporized: | | | | | | |
| (a) | Milligram | (b) | Gram | (c) | Kilogram | (d) | May be all |

Q.2 Write short answers of the following questions.

(8x2=16)

1. Define biochemistry with example.
2. Write chemical composition of bacterial and mammalian cell.
3. Differentiate between catabolism and anabolism.
4. Write name of given resources of carbohydrates.
5. Why lipid store double amount of energy than carbohydrates?
6. Write function of protein.
7. Differentiate between purines and pyrimidines.
8. Define nucleoside.

NOTE: Attempt the long questions.

(4+4=8)

3(a) Explain importance of water.

(b) Explain structure of protein.