

TALEEMI DUNYA

Test Syllabus: Unit # 21

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|----------|--|-------|------------------|----------|------|---------|--------|
| St. Name | | Test | Biology | T. Marks | 30 | Time | 60 Min |
| F.Name | | Class | 12 th | T. Code | U#21 | 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. **6x1=6.**

| | | | | | | | |
|-----|--|-----|---------------|-----|-------------|-----|--------------|
| 1 | Individuals with Klinefelter syndrome have sex chromosomes as following: | | | | | | |
| (a) | XO | (b) | XXO | (c) | XXY | (d) | XXXY |
| 2 | Which one is absent in animal cell: | | | | | | |
| (a) | Spindle | (b) | Centriole | (c) | Chromatids | (d) | Phragmoplast |
| 3 | The microtubules are composed of traces of RNA and protein called ____: | | | | | | |
| (a) | Myosin | (b) | Troponin | (c) | Actin | (d) | Tubulin |
| 4 | Synapsis occurs during ____: | | | | | | |
| (a) | Pachytene | (b) | Leptotene | (c) | Zygotene | (d) | Diplotene |
| 5 | Syndrome having trisomy of chromosome 18 is __: | | | | | | |
| (a) | Down's | (b) | Patau's | (c) | Edward's | (d) | Jacob's |
| 6 | Phragmoplast is formed by vesicles originating from _____: | | | | | | |
| (a) | Endoplasmic reticulum | (b) | Golgi complex | (c) | Chloroplast | (d) | Mitochondria |

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Q.2 Write short answers of the following questions.

(6x2=12)

1. Differentiate between apoptosis and necrosis .
2. Describe changes in G1 phase .
3. Explain a tumor .
4. Describe cell cycle. Give its two phases?
5. Explain necrosis ?
6. Is interphase a resting phase? Why?

Q.3 Answers of the following briefly.

(6+6=12)

- 1 Describe prophase I of meiosis in detail.
2. Describe interphase of cell cycle.