

[LB 1012]

OCTOBER 2012

Sub. Code: 3006

MASTER OF AUDIOLOGY AND SPEECH LANGUAGE PATHOLOGY

(MASLP) DEGREE EXAMINATION

FIRST YEAR

PAPER VI – PSYCHOPHYSICS

Q.P. Code : 433006

Time : 3 hours
(180 Min)

Maximum : 100 marks

Answer ALL questions in the same order.

I. Elaborate on :

Pages Time Marks
(Max.)(Max.)(Max.)

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|------------------------------------------------------------------------------------------------------------------------------------------|----|----|----|
| 1. Explain the theory of signal detection. Discuss its applications in detail? | 17 | 40 | 20 |
| 2. Define adaptation. Explain various methods and stimuli for studying adaptation. Discuss the stimulus parameters affecting adaptation. | 17 | 40 | 20 |

II. Write notes on :

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|-----------------------------------------|---|----|---|
| 1. Pathophysiology of fatigue. | 4 | 10 | 6 |
| 2. Weber's law. | 4 | 10 | 6 |
| 3. Factors affecting loudness. | 4 | 10 | 6 |
| 4. Gap detection temporal integration. | 4 | 10 | 6 |
| 5. Critical band concept. | 4 | 10 | 6 |
| 6. Physiology Tuning curves. | 4 | 10 | 6 |
| 7. Absolute and relative DLP's. | 4 | 10 | 6 |
| 8. Factors affecting Timbre perception. | 4 | 10 | 6 |
| 9. Marking level difference. | 4 | 10 | 6 |
| 10. Durlach and Jeffress models. | 4 | 10 | 6 |
