# HCI Viva Syllabus

Please self-study the below topics. You may study individually or with your peers. During the viva, each of you will be asked to explain one or more of the topics listed below in your own words. Use of examples to describe the application of the concepts will be appreciated. You will be provided with a whiteboard & markers. No other aids may be allowed during the viva.

1. Photopic & Scotopic Vision
2. Saccade & Fixation
3. Peripheral Vision
4. Acoustic Shadow
5. Sensory Thresholds
6. Sensory Information Store
7. Visual Masking
8. Auditory Masking
9. Haptic & Tactile Perception
10. Weber-Fechner Law
11. Contrast Effect
12. Modality Effect
13. Constructive & Direct Perception
14. Psychological Refractory Period
15. Sound Localization & The Cone of Confusion
16. Modality Appropriateness Hypothesis
17. Cognitive Inhibition
18. Multiple Resource Theory
19. Maintenance Rehearsal
20. Elaborative Rehearsal
21. Miller's Number
22. Chunking
23. Serial Position Effect
24. Hick-Hyman Law
25. Confirmation Bias
26. Yerkes Dodson Law
27. Ebbinghaus' Forgetting Curve
28. Recall vs Recognition
29. Flashbulb Memory
30. Orienting Response & Habituation
31. Simon Effect
32. Speed-Accuracy Tradeoff
33. Fitts' Law
34. Aesthetic-Usability Effect