1. Speech Digitization and Generation:
    - Digitization: This means converting spoken words into a digital format. It's like turning sound waves of speech into computer-readable data.
    - Generation: Generating speech involves creating spoken words from digital data. This can be useful for things like virtual assistants or automated customer service.
2. When Speech is Preferable:
    - Short Messages: Speech is great for brief and quick messages.
    - Events in Time: Especially useful when dealing with time-sensitive information.
    - Immediate Response: When you need a quick answer, speech can be more convenient.
3. Advantages of Speech in Overloaded Situations:
    - When visual channels are overwhelmed, like in busy or distracting environments.
    - When people need to move around freely.
    - In environments with extreme lighting, vibrations, or unsuitable conditions for visual displays.
4. Telephone-based Systems:
    - Mixing digitized speech and speech generation allows for conveying emotion and presenting up-to-date information.
    - Examples include phone-based services for banking, phone directories, and airline schedules.
5. Applications with Keypad Selections:
    - Useful for services where users input information through keypads.
    - Examples include phone-based banking services and airline schedule inquiries.
6. Preference for Web-based Visual Inquiries:
    - While phone services are widely available, many users prefer using the web for

faster and visually oriented information searches.

Related posts:

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2. Describe the importance of good design.
3. What are the benefits of good design ?
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5. What do you mean by graphical user interface ?
6. What is popularity of graphics ?
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10. Describe the characteristics of intranet versus the internet.
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12. Explain web user interface.
13. Discuss the popularity of web interface.
14. What are the characteristics of web user interface ?
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16. Describe the principles established the foundation for graphical interfaces.
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19. Explain the five commandments for designing user interface
20. Discuss human computer interaction.
21. How a person interact with computer.
22. What are the factors that make system difficult to use ?

23. What are the psychological responses to poor design ?
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25. Explain the important human characteristics.
26. Describe the following term with respect to humancharacteristics in design :
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52. How to convey depth of levels or a three-dimensional appearance ?
53. How information is presented simply and meaningfully ?
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57. Discuss intranet and extranet design guidelines.
58. Write short note on statistical graphics
59. Explain the components of statistical graphics.
60. Discuss technical consideration in interface design for : i. Graphical system ii. Web system iii. Other web consideration
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88. What are the problems related to color ?
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96. Describe pointing devices and types of interaction tasks useful for pointing devices.
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100. What are the characteristics of video display devices ?
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