



Eng511 Final

Compilation

Objectives

1. English language has the mood

Subjunctive. Subjective integrative

2. Broca's aphasia is impairment of the hemisphere

Left frontal Right Frontal middle back

3. Every language has a number of basic color terms

Small large. very large limited

4. Whorf hypothesis has parts.

2 4 3 5

5. According to Lenneberg, bilingual language acquisition can only happen during the age

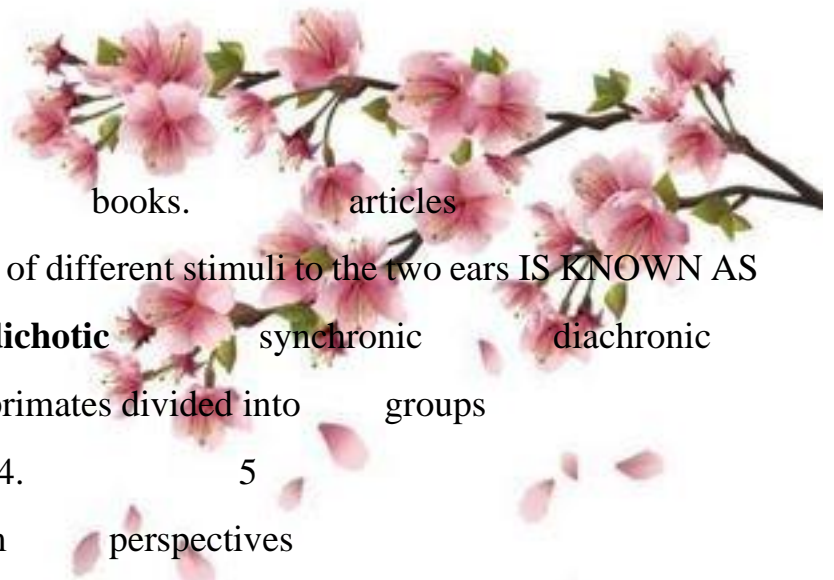
2 4. 5 6

6. SBI(Strategic based Instruction)

7. LSs (Learning styles)

8. Speech depends on or based on or important for

Man From Nowhere



Thought writing books. articles

9. the simultaneous presentation of different stimuli to the two ears IS KNOWN AS

Neuratic listening **dichotic** synchronic diachronic

10. Teaching language to other primates divided into groups

2 3 4. 5

11. language can be viewed from perspectives

1 2. 3 **different**

12. The method in 11 did not take well in public education?

Direct indirect linear

13. Learners desire to communicate with valued and group is called

Accommodative. integrative. **collaborative**

15. Thought is supposed to be _____ and not universal

language-specific. text-specific class-specific

16. variables related to mind and psychology are _____ variable

perspective **cognitive**

17. The Whorf hypothesis was proposed by..... And Benjamin Whorf

Edward Sapir. Michael hakitinjulia. BF Skinner

18. The most popular measurement of personality characteristics in the

Slab test MRI Pet **Myers-briss type indicator**

19. The_____System with its rules or vocabulary is necessary for thought.

Language Idea Logic Monologue

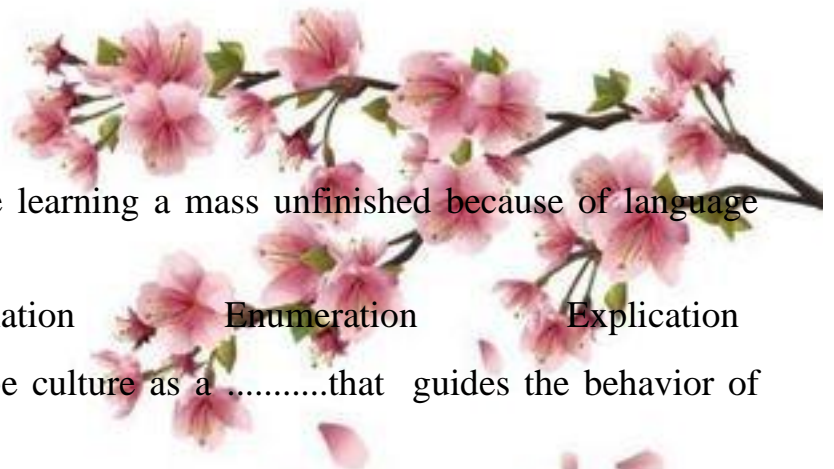
20. Aphasia following traumatic events isin contrast to aphasia arising from brain tumor

Overt Covert linear **non-progressive**

21. children acquire a second language quicker than adults this is known as

Proficiency difference Skill Ability Intellectual

Man From Nowhere



22. _____ strategies involve learning a mass unfinished because of language difficulties

Avoidance Examination Enumeration Explication

23. Larson and smallest describe culture as athat guides the behavior of people in community.

Blueprint Red shad Perception Mode

24. **Neurolinguistics** and Disorders: Disorder of Syntax

25. The nature of explication is the process whereby the rules and structures of a second

language are explained to a **learner**.

26. There are two sides of affectivity. Intrinsic and.....

Extrinsic Covert hidden Overt

27. The purpose of _____ phase is to acquiring children with the shapes of written words.

Word reading word memorizing. **Word familization.** word identification

28. The whole word proponent advocates that the focus be on.....

Structure **Meaning** Syntax grammar

29. In language production language choice is essentially a _____ process.

Top-down upside down Linear. dimensional

30. Processing can be defined as the intersection or shared interest cross linguistics and AI

Unilingual bilingual. **Multilingual.** none of these

31. conduction aphasia is a disturbance caused by

Repetition Contemplation. Retrospection. Vernacular

32. Split-brain is a term to describe the result when the corpus callosum connect to

Right hemisphere. Left hemisphere. **Both** None of these

Man From Nowhere



33. Some scholars view the emergence of language as the consequence of some kind of

Transformation

Cognitive **social.** Mental. Innate

34. The Cromwell's revolution occurred in.....

1650 1660. 1670. 1680

35. Whatever we say we say that to _____ Something

Draw. **Communicate** infer. Audact

36. Intercultural..... Means the ability to effectively interact in an intercultural situation or

context.

Communication aspect. **Competence.** performance

38. The learner desire to communicate with a valued L2 group is called _____ motivation

Accumulative. **Interagative** additive. assimilative

39. children having no.....production can comprehend and think

Speech text. Idea. arguments

40. Chinese were not as able as English speakers to think hypothetically about what is not true

because of certain grammatical features of the Chinese language. **Counterfactuals**

41. UNIVERSAL claims language is..... **English**

42. broca's aphasia is also known as (**telegraphic speech**)

43. there is evidence in neurological research that as the human brain matures certain functions assigned to the left hemisphere is called **lateralized.**

44. Adult learn in _____ way than infants and toddlers.

Same. slightly similar **differently.** slightly different

45. **Intrinsic motivation** refers to L2 learners' desire to either integrate with with the L2 culture or attain their personal goals utilizing L2.

46. One version of how innate processes operate in child language has been called the **language bio program hypothesis** by Bickerton (1981, 1983, 1984, 1999).

47. The term **learning styles** refers to the understanding that every student learns differently. 5. 48. **Language politics** is the way language and linguistic differences between peoples are dealt with in the political arena.

49. There are **two** main approaches to teaching young students how to read.

50. **Darwinian** Theory is based on the concept of continuity, the notion that evolutionary changes are quantitative rather than qualitative.

51. Research on the **neurobiology** of affect highlights the roles of the function of Amygdala in language learning and Sustained Deep learning as the key determinants.

52. Cultural learning is also called cultural **transmission**.

SUBJECTIVE

REFLECTIVE



Q. How you can incorporate SBI (strategy base instruction) into the language classroom?

Much of the work of researchers and teachers on the application of both learning and communication strategies to classroom learning has come to be known generically as strategies-based instruction (SBI) (McDonough, 1999; Cohen. 1998), or as learner strategy training. Cohen (1998) likes to refer to "5581"—styles and strategies-based instruction—to emphasize the productive link between styles and strategies. As we seek to make the language classroom an effective milieu for learning, it has become increasingly apparent that "teaching learners how to learn" is crucial. Wenden (1985) was among the first to assert that learner strategies are the key to learner autonomy,



and that one of the most important goals of language teaching should be the facilitation of that autonomy.

Q. What is the main instrument used for learners' to identify strategies of SLA.

The most widely used instrument for learners to identify strategies is Oxford is (1990a) Strategy Inventory for Language Learning (SILL). Once style preferences have been identified, a learner can proceed to take action through strategies. Other forms include self reports *diaries, portfolios etc. The SILL's 50 items, divided into six categories, each present a possible strategy (i.e "I use rhymes to remember new English words.") which responders must indicate on a five-point scale of "never true of me" to "always true of me."

Q. Three types/levels of self-esteem

Three general levels of self-esteem are follows:

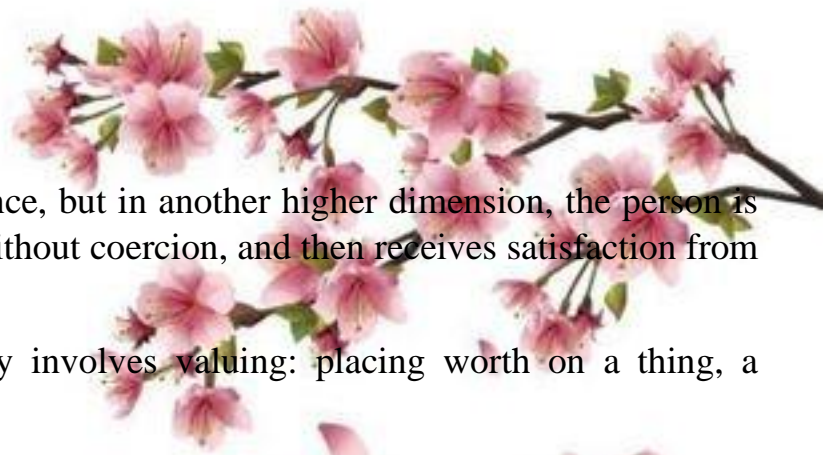
- General or global self-esteem is said to be relatively stable in a mature adult
 - Situational or specific self-esteem refers to one/s self-appraisals in particular life situations
 - Task self-esteem relates to particular tasks within specific situations.
- Hence, the affective domain and self-esteem appears to be an important variable in second language acquisition

Q. Domain of language acquisition/affective domain of language

The affective domain: Affect refers to emotion or feeling. The affective domain is the emotional side of human behavior, and it may be juxtaposed to the cognitive side. The development of affective states or feelings involves a variety of personality factors, feelings both about ourselves and about others with whom we come into contact. Benjamin Bloom and Iris colleagues (Krathwohl, Bloom, & Masia, 1964) provided a useful extended definition of the affective domain that is still widely used today.

1. At the first and fundamental level, the development of affectivity begins with receiving. Persons must be aware of the environment surrounding them and be conscious of situations, phenomena, people, objects; be willing to receive—to tolerate a stimulus, not avoid it—and give a stimulus their controlled or selected attention.

2. Next, persons must go beyond receiving to responding, committing themselves in at least some small measure to a phenomenon or a person. Such responding in one



dimension may be in acquiescence, but in another higher dimension, the person is willing to respond voluntarily without coercion, and then receives satisfaction from that response.

3. The third level of affectivity involves valuing: placing worth on a thing, a behavior, or a person.

Q. Language learning strategies

Learning strategies refer to students' self-generated thoughts, feelings, and actions, which are systematically oriented toward attainment of their goals. Metacognitive strategies refers to methods used to help students understand the way they learn; in other words, it means processes designed for students to 'think' about their 'thinking'. Cognitive strategies are more limited to specific learning tasks and involve more direct manipulation of the learning material itself. Socio affective strategies have to do with social-mediating activity and interacting with others. Learning strategies, as opposed to communication strategies, typically involve the receptive skills of listening and reading. Gender has been shown to be a significant variable in strategy use, both in the case of learning and in communication strategies. Hence, learning strategies help students to self-regulate their learning styles which facilitate them to achieve their goals.

Q. What are the communication strategies in course of learning a second language?

Communication strategies are strategies that learners use to overcome these problems in order to convey their intended meaning. Communication strategies pertain to the employment of verbal or nonverbal mechanisms for the productive communication of information. Faerch and Kasper (1983a, p. 36) defined communication strategies as "potentially conscious plans for solving what to an individual presents itself as a problem in reaching a particular communicative goal." Kasper and Faerch proposed a model of speech production that involved a planning phase and a production phase. Researchers have identified three components of communication strategies problematicity, consciousness & intentionality. Some learners' inter languages are characterized by communication strategies. So, learners use communication strategies in second language learning in order to overcome the problems in communication process

Q. Discuss avoidance strategies in case of learning a L2



Avoidance, which takes multiple forms, has been identified as a communication strategy. Learners of a second language may learn to avoid talking about topics for which they lack the necessary vocabulary or other language skills in the second language. Corder points out this fact and states that in such a situation the learner has to choose one of the two principal macro strategies available to him which are risk-taking or resource-expansion strategies and risk avoiding strategies. So, avoidance strategies involve leaving a message unfinished because of language difficulties and avoiding topic areas or concepts that pose language difficulties.

Q. Discuss compensatory strategies

Compensation strategies are communication strategies used by learners to compensate for limitations in their language. Different kinds of learners have preferences for different kinds of learning strategies. Hence, compensatory strategies is one of the types of communication strategies which learners use in order to compensate limitations in learner's language. Few of them are following strategies: Circumlocution, Approximation, Use of all-purpose words, Word coinage.

Q. Cognitive strategy

People who adopt the cognitive strategy tend to analyze and reason. They form internal mental codes and revise them to receive and produce the message in the target language. Adopting this strategy will enable you to internalize the language in direct ways such as through reasoning, analysis, note-taking, summarizing, synthesizing, outlining, and practicing in naturalistic settings, and practicing structures and sounds formally. Things they do: People learning Korean watch Korean dramas and try to replicate how the characters pronounce Korean words. Watch Korean dramas and try to replicate how the characters use certain words in a sentence. Write emails or letters in SL. Read SL reading materials such as magazines and newspapers.

Q. Classical Method of teaching language

Classical Method: locus on grammatical rules, memorization of vocabulary and of various declensions and conjugations, translation of texts, doing written exercises. Classical Method was adopted as the chief means for teaching foreign languages. Late in the nineteenth century, the Classical Method came to be known as the Grammar Translation Method. Grammar Translation Method remarkably withstood attempts at the outset of the twentieth century to "reform" language teaching methodology. Many standardized tests of foreign languages still do not attempt to



tap into communicative abilities, so students have little motivation to go beyond grammar analogies, trivials, and rote exercises

Q. Auditory and musical learner

Auditory learners like to hear solutions and examples explained to them and may gravitate towards music subjects and group learning as a way to understand information. Auditory learners often have a high aptitude for distinguishing notes and tones in music and speech. Auditory learners might say words out loud or hum tones to better learn them. This strategy is a key for keeping musical learners engaged in class lessons.

Q. Discuss reflectivity and impulsivity

A cognitive style in problem solving related to whether the individual tends to make quick decisions or instead weighs up alternatives before deciding. The degree to which in the cognitive domain a person tends to make either a quick or gambling (impulsive) guess at an answer to a problem or a slower more calculated (reflective) decision. Reflectivity and impulsivity is cognitive styles of a learner that shows learner's ability of a solving of a problem.

Q. Perceptual learning style

It is an approach to learning through the five senses. It comprises of auditory learner, visual learner, tactile learner, kinesthetic learner, and haptic learner. Auditory learners learn more through hearing. Visual learners learn more through seeing. Tactile learners discover things through sense of touch. Kinesthetic learners enjoy learning through movement and body experience. Haptic learners are the combination of tactile and kinesthetic learners where they learn more through sense of touch and body involvement.

Q. Can SLA happen only in early childhood?

In early childhood, becoming bilingual is often an unconscious event, as natural as learning to walk or ride a bicycle. But why? According scientific surveys, language aspects such as pronunciation and intonation can be acquired easier during childhood, due to neuromuscular mechanisms which are only active until to the age of 12. Long agrees, but goes further by conditioning the acquisition of a native competence in morphology and syntax to exposure to the second before the age of 15. These assertions are contradicted by empirical studies on older beginners who have reached very high in second language levels of competence. Other factors that



we should take into consideration are children's flexibility, spontaneity and tolerance to new experiences. Kids are more willing to communicate with people than adults, they are curious and they are not afraid of making mistakes. They handle difficulties (such as missing vocabulary) very easily by using creative methods to communicate, such as non-verbal means of communication

Q. Discuss the relationship between age and acquisition

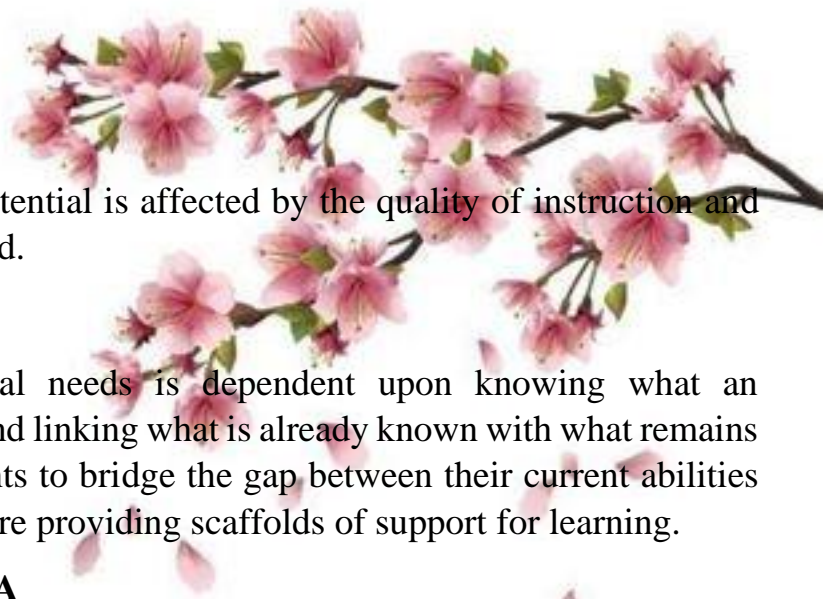
Lenneberg's critical period hypothesis suggests that there is a biologically determined period of life when language can be acquired more easily. Beyond this time a language is more difficult to acquire. According to Lenneberg, bilingual language acquisition can only happen during the critical period (age 2 to puberty). The critical period hypothesis is associated with neurophysiological mechanisms suggesting that in late bilinguals the early and the late acquired languages are represented in spatially separated parts of the brain (Broca's area). In early bilinguals, however, a similar activation in Broca's area takes place for both languages. This loss of the brain's plasticity explains why adults may need more time and effort compared to children in second language learning.

Q. What are the instructional variable?

The instructional factors that teachers should consider in meeting individual needs are much the same for various groups of students. These factors are discussed in the following sections. Meaningful Reading and Writing Tasks In recent years the criteria for effective instruction have undergone a dramatic shift from emphasis on drill and practice to emphasis on meaningful tasks of reading and writing. The focus of instruction should be on ways to help students integrate new knowledge with existing knowledge to construct meaning. Good readers spend the majority of their time engaged in meaning-making activities such as silent reading and peer discussions. It is important for the tasks that students do to require thinking. For example, choosing the correct response to a literal detail question requires significantly less thinking than summarizing the important events in a story.

Expectation Level

Research indicates that children in remedial and compensatory programs spend the majority of their time completing low-level tasks. Not only does this pattern reflect lower expectations, but students do not develop the higher levels of academic functioning necessary to achieve success in later years. While gifted students are academically advanced, they also need special provisions to meet their individual



needs. Like all learners, their potential is affected by the quality of instruction and the learning experiences provided.

Students' Strengths

Successfully meeting individual needs is dependent upon knowing what an individual is already able to do and linking what is already known with what remains to be learned. By helping students to bridge the gap between their current abilities and the intended goal, teachers are providing scaffolds of support for learning.

Q. The natural situation in SLA

A natural situation for second-language learning is one where the second language is experienced in a situation that is similar to that in which the native language is learned. The classroom situation: the classroom for second-learning is planned situation. As we all know physically, there is isolated from the rest of social life.

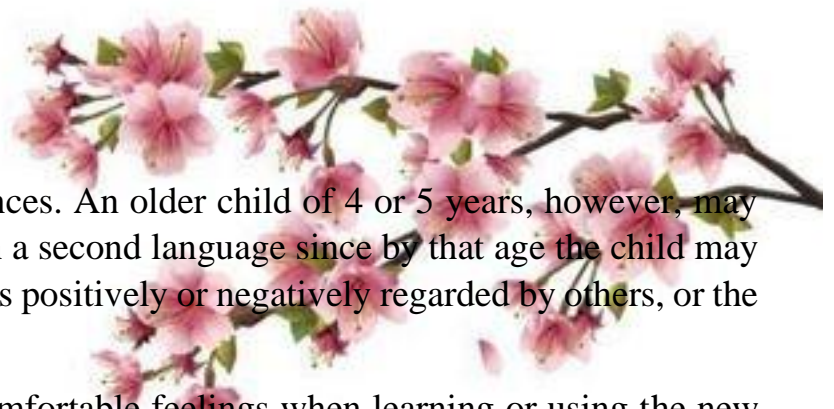
Q. Language learning after the critical age

Adults can learn a second language. Is there any barrier to the learning of a second language and, if so, at what age does this barrier become operational? As far as adult second-language learning is concerned, we have the common observation that a very great number of adults do, in fact, learn the syntax of other languages perfectly. There are those who speak second languages so well that, on the basis of the grammar alone (not the pronunciation, which we shall deal with shortly), they would be judged native speakers. There is no demonstrated critical age for learning syntax. There are, however, studies which demonstrate a differential effect for the age at which acquisition of syntax began. Patkowski (1980) had native speakers of English rate the syntax of transcripts of spontaneous speech from immigrants to the USA who had entered before or after the age of 15. Transcripts were used to remove any possible influence of accent on the raters.

Q. What are learners' characteristics? Or role of motivation in SLL.

Three learner characteristics have consistently been found to be consequential for language learning: motivation, anxiety, and beliefs about language learning.

Motivation: A number of factors that affect second-language learning operate only in certain types of situations. The question of motivation for learning a second language, for instance, is not likely to arise in a natural type of setting such as with a young child. A 1- or 2-year-old needs no motivation to learn a second language; given language input, the young child will automatically learn – with learning even



occurring in negative circumstances. An older child of 4 or 5 years, however, may need motivation in order to learn a second language since by that age the child may be aware of whether a language is positively or negatively regarded by others, or the child may prefer other activities

Anxiety: Anxiety includes uncomfortable feelings when learning or using the new language. Several studies have found that approximately 1/3 of American foreign language learners experience anxiety in response to language learning. Most anxious language learners feel uncomfortable when speaking or listening to the new language, but some language learners also find writing or even reading to be anxiety-provoking.

Learner Beliefs: Beliefs about language learning are important because they influence how students' approach language learning and the language learning strategies that they choose to use. Many language learners, for example, think that they are too old to learn a foreign language well.

Q. Order of Acquisition . What is meant by order of acquisition in language acquisition process

The order of acquisition is a concept in language acquisition describing the specific order in which all language learners acquire the grammatical features of their first language. All children acquire their first language in a fixed, universal order, regardless of the specific grammatical structure of the language they learn. Linguistic research has largely confirmed that this phenomenon is true for first-language learners; order of acquisition for second-language learners is much less consistent.

Q. children have better pronunciation than adults why?

Children learn second languages easier than adults is because of the child's ability to adapt the proper pronunciation of a language. It is true that the younger a child begins to learn a second language, the better their pronunciation. Adults have a more difficult time adapting the pronunciation of a foreign language, and so sound less competent than a child who has the ability to speak a second language with the proper accent.

Q. What are the basic psychological factors affecting Second-Language learning? OR. What are the affective factors in Second Language acquisition self-esteem?



Self-esteem is a term used in psychology to reflect a person's overall evaluation or appraisal of his or her own worth. Self-Esteem: Self-esteem is often seen as a personality trait, which means that it tends to be stable and enduring. Basic psychological factors affecting SLL:

•**Explication:** Explication is the process whereby the rules and Structures of a SL are explained to a learner. Explication is rarely applicable to young children.

•**Induction:** Learning rules by self-discovery is the essence of the process of induction, •**Memory: Memory** is crucial to learning especially of grammatical structures and rules. Children under 7 years display a phenomenal ability at rote memorization.

Motor skills: creation of speech sounds-the ability to control the muscles that manipulate the organs of speech. Decline in general motor skills, decline in ability for new articulations.

Q. Which are the social situations affecting Second-Language learning.

•**The natural situation:** A natural situation for second* language learning is one where the second language is experienced in a situation that is similar to that in which the native language is learned. With age, language is more essential for social interaction. Older children can have problems.

•**The classroom situation:** The classroom is isolated from other social life. Learning language as part of a group and not as an individual •**ESL or EFL community context:** The classroom is a community where the SL is spoken is a matter of some importance, this will allow students to benefit from both a natural situation outside the class and their classroom.

Q. Explain an innatist theory by Noam Chomsky

Nativists contend that a child is born with an innate knowledge of or predisposition toward language, and that this innate property (the LAD or UG) is universal in all human beings. The innateness hypothesis was a possible resolution of the contradiction between the behavioral notion that language is a set of habits that can be acquired by a process of conditioning and the fact that such conditioning is much too slow and inefficient a process to account for the acquisition of a phenomenon as complex as language, But the innateness hypothesis presented a number of problems itself



Q. Discuss children vs. adults in Second-Language learning/ why children learn quick and accurate.

Language acquisition starts in very early childhood, but SLA can happen in childhood, early or late, as well as in adulthood. Children acquiring their first language easily and well, yet individuals learning a second language, particularly in an educational setting, can meet with great difficulty and sometimes failure. One needs to approach the comparison by first considering the differences between children and adults. A 2-year old and an 11-year-old exhibit vast cognitive, affective, and physical differences. In C2-A2 comparison, one is holding language constant and manipulating the differences CI-A2, unfortunately manipulates both variables. To sum up, studies on children vs adults in SLL show that acquiring a first language is easy, but learners face difficulty in second language learning and sometimes face failure in attaining native like proficiency as per CPH

Q. Explain the interference between First and Second languages

L1 is a speaker's first language. L2 is the second, L3 the third etc.

Example: A learner whose L1 is Spanish may find Portuguese and Italian easy languages to learn because of a fairly close connection between the languages.

In the classroom: L1 interference - where a speaker uses language forms and structures from their first language in language they are learning - is an area many teachers are concerned with. In a mono-lingual class where the teacher also speaks the L1, it is easier to identify interference and address it, often discussing it explicitly with learners. L1 interference' has been replaced by 'language transfer'. Language transfer is the effect that one language – particularly the first language – has on another. Transfer can occur at all levels: pronunciation, vocabulary, grammar and discourse. Interference was seen as something negative, whereas transfer may also be positive, especially if the L1 and L2 share many features in common.

Q. What are the symptoms of dyslexia?

- Difficulty in learning to read
- Milestones reached later
- Delayed speech development
- Spelling
- Speech problems



Q. What is the treatment?

Psychological testing: This helps teachers develop a better-targeted program for the child. Guidance and support: Counseling can help minimize any negative impact on self-esteem. On-going evaluation: developing their coping strategies and identify areas where more support is needed.

Q. Deep dyslexia

Deep dyslexia is a form of dyslexia that disrupts reading processes. Deep dyslexia may occur as a result of a head injury, stroke, disease, or operation. This injury results in the occurrence of semantic errors during reading and the impairment of non word reading. Deep dyslexia is considered to be a "central dyslexia" as compared to a "peripheral dyslexia". Deep dyslexia is mainly characterized by the occurrence of semantic reading errors or semantic paralexia. Deep dyslexics have more difficulty reading abstract than concrete and highly imaginable words, more difficulty reading adjectives, adverbs than nouns. The difficulty of deep dyslexics in reading abstract words has been referred to as the "imageability effect". Words with higher ease of predication scores are more easily read aloud by deep dyslexics than words with lower ease of predication scores. Hence deep dyslexia disrupts reading processes. There have been many different studies done in an attempt to treat deep dyslexics, all which have been met with varying success

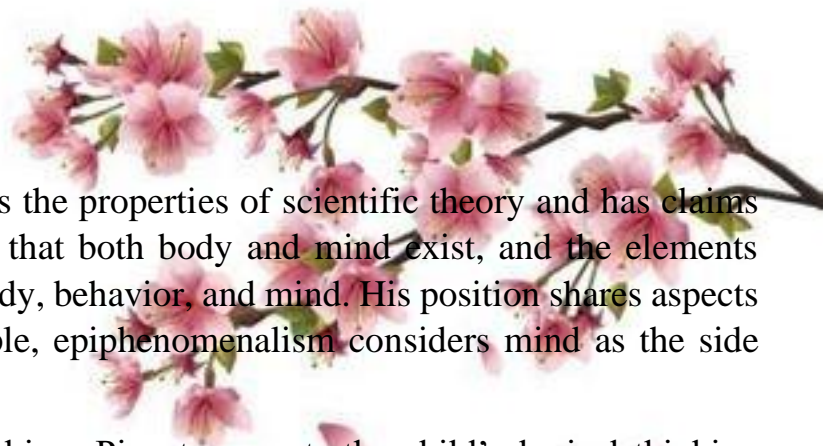
Q. Write some name of prominent theories of language acquisition.

Amongst the most prominent theories of language acquisition that has been put forward by linguists is the:

- Cognitive Development Theory
- Humanistic Approach (Abraham Maslow, Carl Rogers)
- Behaviorist Theory
- Behaviorist Theory for Second Language Learning
 - The Innateness Hypothesis
 - The Critical Period Hypothesis

Q. What are the issues in First language acquisition?

Issue one: Position meeting the criteria for a scientific theory: Chomsky's innateness position seems to meet a convincing criterion for a scientific theory. It covers aspects



of some other theories, possesses the properties of scientific theory and has claims for contents. Chomsky believes that both body and mind exist, and the elements needed for theory-making are body, behavior, and mind. His position shares aspects from other positions; for example, epiphenomenalism considers mind as the side effect of an action.

Issue two: Child's logical thinking: Piaget supports the child's logical thinking which is attributable to his third stage of development called "concrete operational period" (occurring roughly around the age of 7 to 11 years). Piaget labels stage three as "preparation for an achievement of concrete operations."

Issue three: The origins of language: First, we refer to Chomsky's position and then to that of Vygotsky. Chomsky is nativist, and he argues that the ability to acquire language is innate and that children are programmed to learn language. Some form of pre-programming can explain the speed with which children learn the complex skill of using language and the similarity of language acquisition across cultures.

Q. Difference between surface dyslexia and phonological dyslexia.

Phonological dyslexia

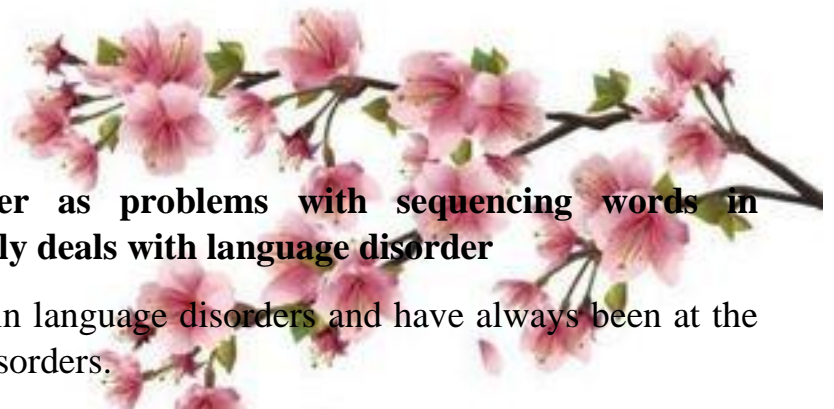
The term "phonological dyslexia" refers to a symptom pattern of difficulty with decoding and connecting sounds to symbols. Individuals with that form of dyslexia typically have difficulty sounding out unfamiliar words and do poorly on tests of non-word reading. It is a disorder of reading characterized by impairment in non-word reading ability.

Surface dyslexia

Surface is a subtype of dyslexia characterized by a difficulty in the lexical access of word meanings. Patients with surface dyslexia of disorder cannot recognize a word as a whole due to the damage of the left parietal or temporal lobe. Individuals with surface dyslexia rely on pronunciation rules. The dual route theory of reading proposes that skilled readers utilize two mechanisms when converting written language to spoken language: the direct, lexical pathway and the indirect, non-lexical pathway

Q. Define dyslexia

Dyslexia is characterized by difficulties with accurate and / or fluent word recognition and by poor spelling and decoding abilities. In a person with dyslexia, the brain processes written material differently.



Q. Discuss syntactic disorder as problems with sequencing words in order/which category commonly deals with language disorder

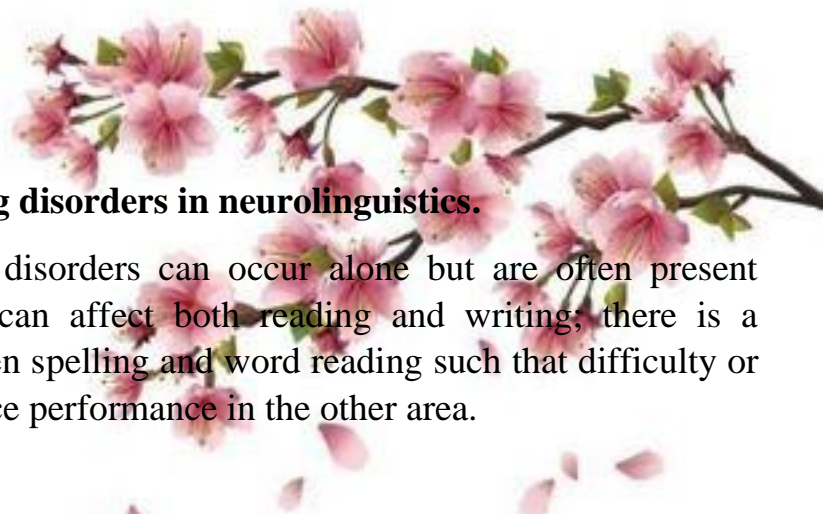
Syntactic deficits are common in language disorders and have always been at the focus of research on language disorders.

- Syntactic deficits a Boca's aphasia an acquired language disorder caused by strokes affecting left frontal regions..
- The core symptoms of Boca's aphasia is an agrammatic spontaneous speech production.
- The dichotomy between intact lexical-semantic and impaired syntactic abilities in Boca's aphasia and spared syntactic but affected lexical-semantic capabilities in Wernicke's aphasia.
- Children with specific language impairments display severe problems in acquiring inflectional morphology, verb movement and complex syntactic constructions.
- The genetic basis underlying the specific syntactic deficits observed in syndrome, ultimately uncovering those aspects of language capacity that are genetically specified in our species.

Q. What is aphasia to Neurolinguistics / while general linguistics is the study of grammar which category deals with disorders in language?

Neurolinguistics is the branch of linguistics that analyzes the language impairments that follow brain damage in terms of the principles of language structure and aphasia is an acquired language disorder subsequent to brain damage in the left hemisphere.

- The most common cause of aphasia is a cerebral vascular accident (CVA) commonly referred to as a stroke.
- Aphasia following traumatic events is non-progressive in contrast to aphasia arising from brain tumor, some types of infection, or language disturbances.
- Primary progressive aphasia based on inclusion and exclusion criteria. • Aphasia involves one or more of the building blocks of language.
- The degree of impairment varies across modalities, with written language often, but not always, more affected than spoken language.
- At the most severe end of the spectrum, a person with aphasia may be unable to communicate.



Q. Explain reading and writing disorders in neurolinguistics.

Reading disorders and writing disorders can occur alone but are often present together. Spelling impairment can affect both reading and writing; there is a bidirectional relationship between spelling and word reading such that difficulty or progress in one area can influence performance in the other area.

Reading Disorders:

Reading and language-based learning disabilities are commonly called dyslexia. Dyslexia is a brain-based type of learning disability that specifically impairs a person's ability to read. **Examples of specific types of reading disorders include:**

Word decoding: People who have difficulty sounding out written words; matching the letters to sounds to be able to read a word. Lack of fluency: People who lack fluency have difficulty reading quickly, accurately, and with proper expression (if reading aloud). Poor reading comprehension: People with poor reading comprehension have trouble understanding what they read.

Writing Disorders:

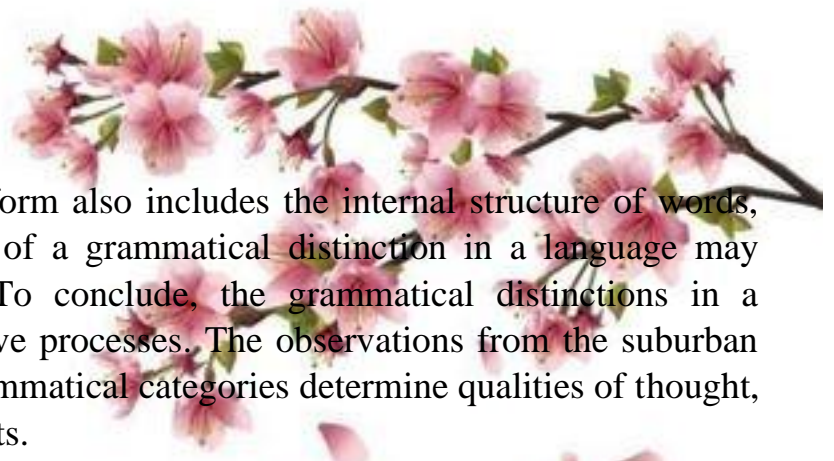
Dysgraphia is a writing disorder. It is a condition of impaired letter writing by hand. It is not a developmental motor disorder, but rather related to orthographic coding in working memory. Dysgraphia commonly occurs with dyslexia and is a related condition. Hence, Reading disorders and writing disorders have bidirectional relationship as they are presented together and both influence each other in difficulty area as well as performance area.

Q. Discuss the development of subjunctive and complex-syntactic

For many foreign-language (FL) learners of Spanish, one of the most unique grammatical constructs of the Spanish language is the subjunctive. The subjunctive is not highly productive in English, and so students have almost no L1 models with which to formulate hypotheses about its use in Spanish. The subjunctive research shows that learners do not acquire skills and knowledge for this construct in isolation of other aspects of their IL development, and that certain internal and external factors play important role subjunctive & syntactic development.

Q. What is grammatical marking of form?

Traditional grammars refer to grammatical forms as “parts of speech” e.g. the grammatical form of the word dog is noun, of the word bite is verb, and of the word



tiny is adjective. Grammatical form also includes the internal structure of words, phrases, and clauses. Presence of a grammatical distinction in a language may increase cognitive processes. To conclude, the grammatical distinctions in a language may influence cognitive processes. The observations from the suburban children suggest that even if grammatical categories determine qualities of thought, they are not the only determinants.

Q. Explain grammatical marking of objects and substances.

Languages also differ in their grammatical distinctions of objects and substances. Count nouns refer to objects, while mass nouns refer to substances. In English objects such as horse, candles and chairs are referred to as count nouns and smoke, air, water as mass nouns.

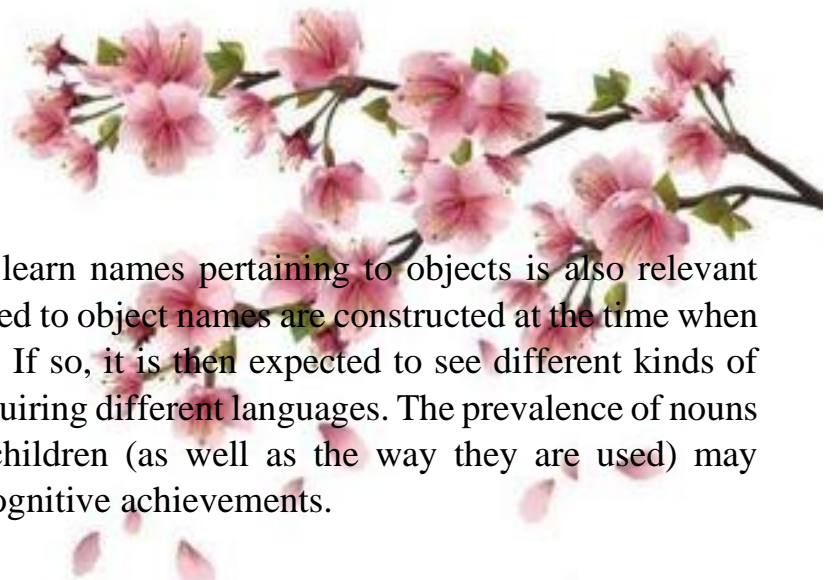
Q. Explain grammatical marking of gender

A system of grammatical gender: every noun was treated as either masculine, feminine or neuter, existed in Old English. Preference now is for gender-neutral language. English marks grammatical gender only in singular personal pronouns (for example, he, she, it). In contrast, other languages have much more extensive gender systems. Spanish nouns that refer to males end in -o (as in hermano or brother, and gato or male cat & females end in -a (hermana) young children may use grammatical gender as a basis for classification at least some of the time. The French gender system is similar to Spanish. The form of the determiner or article depends upon its syntactic or grammatical role in a sentence, The man scratched the cat (Der Mann kratzt die Katze) The two-category gender system in Spanish and French may be more easily acquired by children and then extended to inanimate objects.

People's thinking about objects is influenced by the seemingly arbitrary assignment of a noun to be masculine or feminine in one's native language. So, in English we find grammatical gender only in singular personal pronouns, on the other hand ,gender system is very extensive in other languages.

Q. What are number terms in lexical studies?.

Another set of studies is relevant to how the lexicon may influence thought processes: How morphological differences in number names between Asian languages (Chinese, Korean etc) and English may influence children's conceptualization of numbers and ultimately their mathematics achievement. In English, the system of naming numbers is relatively complex. Asian languages such as Chinese are more regular



Q. What are object terms?.

Recent research in how infants learn names pertaining to objects is also relevant here. Conceptual categories related to object names are constructed at the time when we learn a language, not before. If so, it is then expected to see different kinds of early object terms in children acquiring different languages. The prevalence of nouns and verbs in speech given to children (as well as the way they are used) may influence the timing of certain cognitive achievements.

Q. What are spatial terms?.

Children's early word meanings are neither simply labels for existing concepts (the cognitive view) or constructed entirely because language requires (the Whorf hypothesis). Rather, they result from the interaction of existing cognitive development and the semantic categories of the input language. English and Korean differ substantially. Hence, Korean and English differ in spatial terms, and children acquiring these languages appear to carve up reality in different ways. Languages also differ in the spatial frames of reference. These frames of reference influence performance on nonlinguistic spatial tasks.

Q. Explain subjunctive & counterfactual reasoning with respect to Grammatical Influences on Cognition .

A. H. Bloom (1981) the differences between how Chinese and English speakers reason. Particularly interested in counterfactual reasoning, which is the ability to reason about an event that is contrary to fact.

- The English language has the subjunctive mood

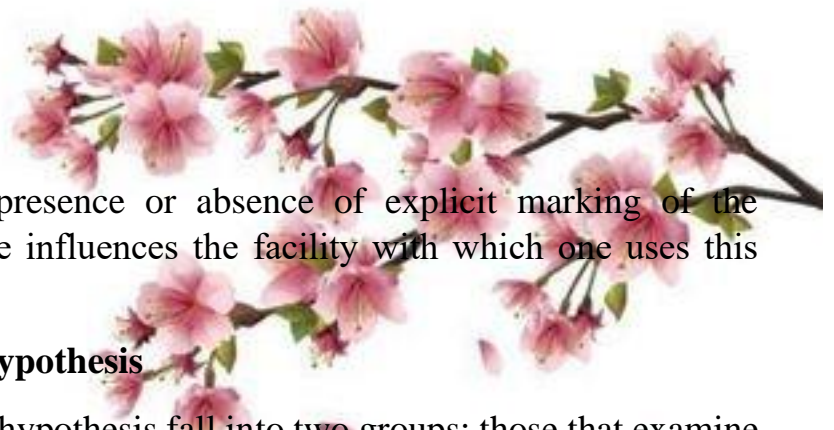
(2) If John had come earlier, they would have arrived at the movies on time.

- Chinese does not have a specific form, such as the subjunctive, to express a counterfactual meaning.

(3) If the Hong Kong government were to pass a law requiring that all citizens born outside of Hong Kong make weekly reports of their activities to the police, how would you react?

(4) If I am the U.S. president, then I will think before I speak.

- Bloom predicted that Chinese speakers would make more errors in counterfactual reasoning than English speakers.



- Bloom concludes that the presence or absence of explicit marking of the counterfactual in one's language influences the facility with which one uses this mode of thought.

Q. Discuss testing the Whorf hypothesis

Experimental tests of the Whorf hypothesis fall into two groups: those that examine the lexical level and those test the grammatical level. Before looking at these studies, however, let us consider what is needed to test the linguistic relativity hypothesis. Differences in language determine differences in thinking must, at the outset, define the three key terms. First, we need to define what we mean by differences in language. Second, we need to define differences in thinking in a satisfactory manner. Whorf was especially interested in those aspects of thinking that indicated a habitual mode of thought. Finally, we need to clarify what is meant by saying that languages determine thought. The presence of linguistic categories creates cognitive categories. Presence of linguistic categories influences the ease with which various cognitive operations are performed. Hence, Psychological studies of the Whorf hypothesis have examined whether lexical and grammatical differences between languages influence various nonlinguistic cognitive processes.

Q. Explain color terms on lexical level

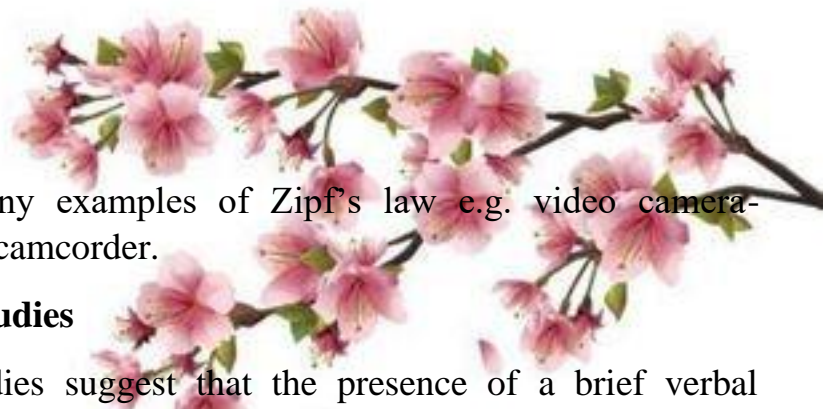
At the lexical level, much work has been done on words for color. This is, in part, due to the fact that languages differ tremendously in their differentiation of the color domain. Some languages, such as English, have many color terms, and others have as few as two.

Q. Define codability

A concept that has figured in much of the research on color cognition is codability. Brown (1958; see also Lenneberg, 1953) defined codability as the length of a verbal expression. If one's language does not have a specific word for the occasion, the speaker can still make the reference but will need to do so by some combination of words.

Q. What is Zipf's law?

The relationship between frequency and length is captured in what is called Zipf's law. Zipf (1935) examined Chinese, Latin, and English and found that the length of a word is negatively correlated with its frequency of usage. The more frequently a word is used in a language, the shorter the word (measured either in phonemes or



syllables). English contain many examples of Zipf's law e.g. video camera-videocassette recorder becomes camcorder.

Q. Explain cross-linguistics studies

The results of color term studies suggest that the presence of a brief verbal expression in a language influences certain cognitive processes. However, to evaluate the notion of linguistic determinism, we need to study the effects of color terms in different languages. These results suggest that under some circumstances the manner in which we perceive and remember colors is related to the linguistic terms we use to refer to them. Thus, the color domain appears to provide support for the weak version of linguistic relativity.

Q. Every single word or sentence has a meaning to convey. Do you agree?

Meaning for words is acquired in four main ways:

- (1) a sound form is associated with an object, situation, or event in the world, e.g. the sound 'dog' with the object 'dog';
- (2) a sound form is associated with an idea or experience in the mind, e.g. 'pain' with the feeling of 'pain';
- (3) an inference may be made in a linguistic context, an idea may be suggested, e.g. in reading a paragraph one word may not be known but because everything else is understood, its meaning may be guessed at by inference; and
- (4) an analysis of known component morphemes may suggest a meaning for the sound form, e.g. the meaning of 'un primitive' can be gained through knowledge of the morphemes 'un' and 'primitive'.

Q. Explain the best theory: Thought is independent of language/ relation between language and thought

The relationship between language and thought is essentially the one that was advocated by the philosopher John Locke. It is that thought is independent of language, that language is dependent on thought, and that the function of language is to provide a means for the expression and communication of thought.

Thought is independent of language: The thought system in the mind of the child develops over time as input stimuli of the world

Man From Nowhere

The development of thought precedes the development of language: Through speech understanding the child develops a grammar and finds a means through speech production to provide meaningful speech.

The notion of thinking in language is a fallacy: Sound forms of words come to one's awareness while one is thinking.

The connections from particular thought to mental language and then physical speech are mainly automatic. Concerning the relation of language John Locke concludes: The Comfort and Advantage of Society, not being to be had without Communication of Thoughts, it was necessary, that Man should find out some external visible Signs, whereof those invisible Ideas, which his Thoughts are made up of, might be made known to others.

Q. why chinese cannot express counterfactual reasoning

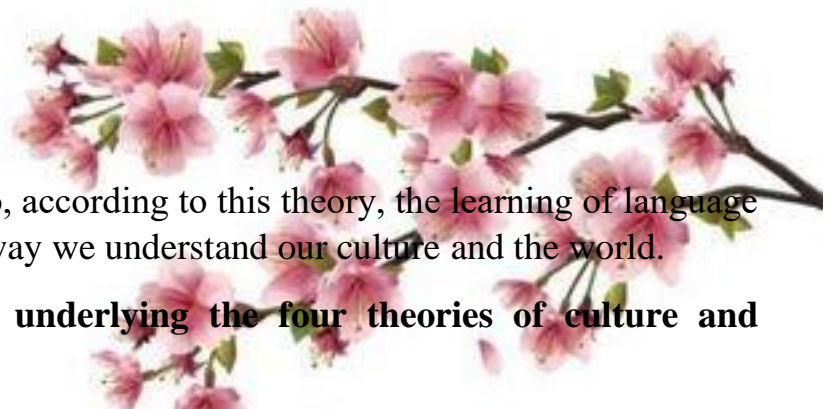
The Chinese language and 'counterfactuals' Chinese were not as able as English speakers to think hypothetically about what is not true because of certain grammatical features of the Chinese lang. This happened due to faulty translations but once proper translations were made, there was no basis for claiming a difference in thinking.

Q. Explain the theory language determines or shapes our cultural world view

. Language determines or shapes our cultural world view (The learning of language will determine or influence the way we understand our culture and the world). Proponents of theory: a) Even if language is somewhat distinct from thought, nevertheless, knowing a language will itself condition and influence one's cultural, social beliefs or views of the world. b) Language does provide a view of culture and society and an outlook on the world.

Q. What are the inadequacies of the theory language determines or shapes our cultural world view?

- 1) Same language yet different world views.
- 2) Different languages yet similar world views.
- 3) Same language but world view changes over time.
- 4) One language can describe many different world views



5) Multilingual's world view. So, according to this theory, the learning of language will determine or influence the way we understand our culture and the world.

Q. Explain erroneous beliefs underlying the four theories of culture and languages.

Discarding the anti-Mentalist position of some of the Behaviourist theorists who would treat thought as some sort of speech or behaviour, there are certain erroneous beliefs which might have been held by the other non-Behaviourist theorists that led them to invalid conclusions. We will consider three such mistaken beliefs:

(1) Their analysis of language is adequate: The most serious deficiency in the theorizing of Whorf, Sapir, Korzybski, Skinner, von Humboldt, and others concerns the assumption that the directly observable words or the structure of a sentence represent all of the semantic or thought elements of that sentence.

(2) The meaning of words is linguistic in origin: there is no necessary relationship between the sound of a word and its meaning.

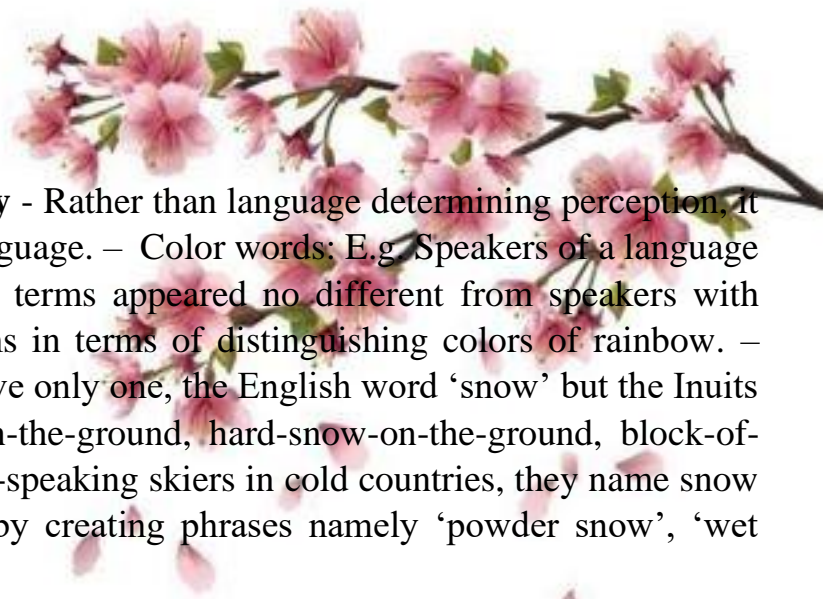
(3) There are primitive languages and primitive human intelligence: all languages are of similar complexity, with each having similar basic forms and operations. So, once one learns the premises that a people hold, their behaviour and statements that were previously thought to be strange or illogical immediately become rational.

Q. Explain the theory that 'Language determines or shapes our perception of nature' (3rd theory on culture and language)

Language determines or shapes our perception of nature (The learning of language will determine or influence the way we perceive the physical world, visually, auditorily, etc.) Proponent - One's knowledge of vocabulary or syntax influences one's perception and understanding of nature.

Q. Inadequacies of the theory that language determines or shape our perception of nature.

1) **Perception**, interest, and need determine vocabulary - It is our interest and need that determine our coinage of vocabulary and its use. E.g. Children, from all over the world, are enchanted by dinosaurs. They perceive the types of dinosaurs. Through perception, they develop their interesting dinosaurs and later they feel the need to seek the names of these objects.



2) Color and snow vocabulary - Rather than language determining perception, it is perception that determines language. – Color words: E.g. Speakers of a language with limited repertoire of color terms appeared no different from speakers with broader repertoire of color terms in terms of distinguishing colors of rainbow. – Snow words: E.g. Hawaiians have only one, the English word ‘snow’ but the Inuits have single words for snow-on-the-ground, hard-snow-on-the-ground, block-of-snow and others. As for English-speaking skiers in cold countries, they name snow through its physical condition by creating phrases namely ‘powder snow’, ‘wet snow’, etc.

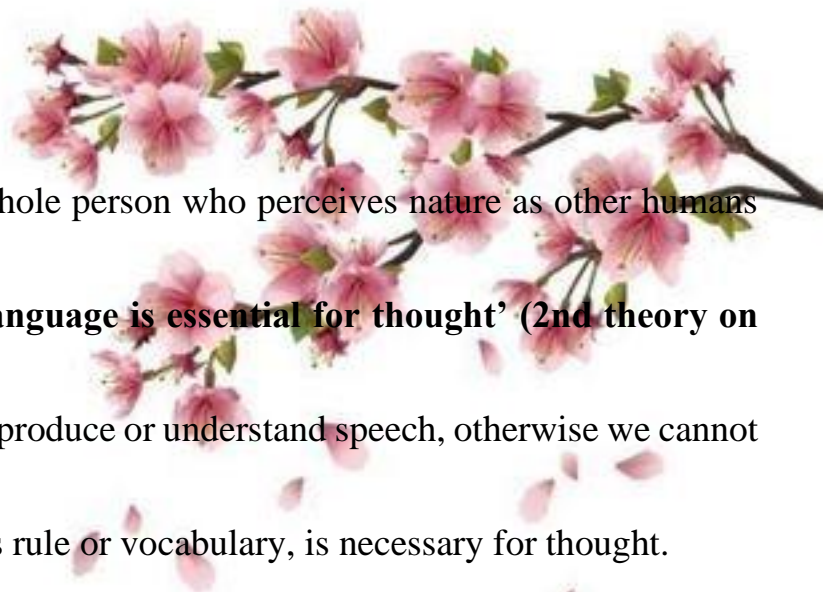
3) Hopi ‘Time’ and Chinese ‘Counterfactuals’ - Hopi people and time - People are not different because of their language, but because of their experiences. Deep down, we are all the same; it couldn’t be otherwise. E.g. Hopi people use periods relating to the harvest, the moon, the sun and other significant events. We do much the same in English (“.....when it gets dark”, “.... when the weather gets warm”). – The Chinese language and ‘counterfactuals’ - Chinese were not as able as English speakers to think hypothetically about what is not true because of certain grammatical features of the Chinese language. - This happened due to faulty translations but once proper translations were made, there was no basis for claiming a difference in thinking.

4) Lack of vocabulary does not indicate lack of concept - We describe a thing, which does not have a single word for it, with a phrase carrying a similar concept. E.g., we have a name for the underside of our hand that is called ‘palm’ but we have no word for the topside. Instead we use the phrase ‘back of the hand.’ - This shows that lack of vocabulary item is not indicative of a lack of a concept.

5) Knowledge overrides literal word meanings - We can believe something quite different from what the language literally specifies and that the continual use of a language form may not change an underlying thought.

In other words, one thing is said but another is understood. (similar to lying, but in this case, people know it is not true) E.g., the word ‘sunset’. We always hear and use this word that it leads us to believe that the sun sets on its own. The truth is, it is the earth that moves, not the sun.

6) Multilingual’s view of nature - If it is said that different languages have distinctive and important effects on the way we view nature, then the multilingual must similarly have distinctive and important ways of viewing nature. But such is



not the case. Multilingual is a whole person who perceives nature as other humans do.

Q. Explain the theory that ‘Language is essential for thought’ (2nd theory on culture and language)

We must learn language, how to produce or understand speech, otherwise we cannot develop thinking. Proponents:

- a) The language system, with its rule or vocabulary, is necessary for thought.
- b) Thought was derived from speech production
- . c) Thought is supposed to be language-specific and not universal.

Q. What are the inadequacies of the theory, ‘Language is essential for thought’?

1. Deaf persons without language can think. - If one holds that language is the basis for thought, then these deaf children do not think and that they were merely robots.

2) Multilingual are whole persons. - According to this theory, if multilingual have more than one thought process (one for each language), such persons would not be able to think coherently or would have separate thought intelligences/ personalities

. 3) Intelligent animal behavior occurs without language. - Thought must have some basis other than language. The following examples can prove this statement. So, according to this theory, we must learn language, how to produce or understand speech, otherwise we cannot develop thinking.

Q. A deaf person can think without language explain.

Deaf children, when at play and when participating in activities around the home, behave as intelligently and rationally with respect to the environment as do hearing children.

If one holds that language is the basis for thought, then these deaf children do not think and that they were merely robots.

Q. Give a criticism on Whorf hypothesis/ arguments on Whorf hypothesis.

While linguists generally agree that linguistic relativism, can be shown to be true to some extent, there are criticisms of the stronger form of the Sapir-Whorf Hypothesis,



also known as linguistic determinism. Another point of criticism is problem of translatability. Three main arguments on Whorf Hypothesis:

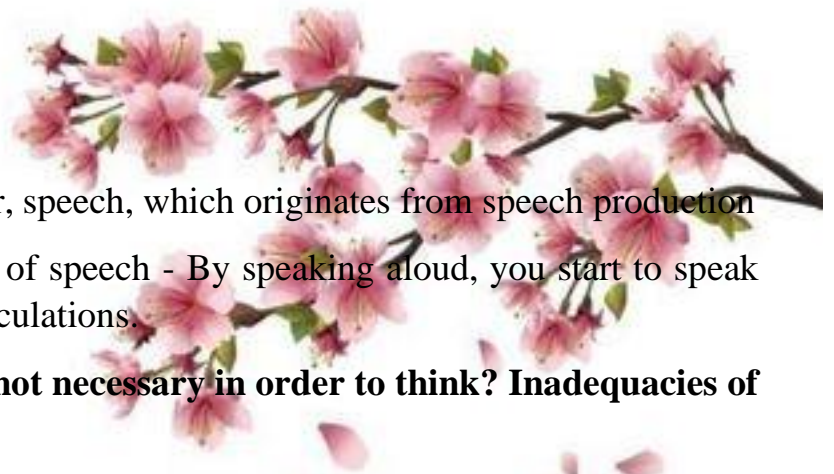
- The grammatical structure is the first one, since the syntactic system of a language and the perceptual system of the speakers of that language do not have the kind of interdependent relationship that the Sapir-Whorf Hypothesis claimed to have.
- The second one goes to the translation, as there is no real translation.
- The last one belongs to the process of second language acquisition. According to the hypothesis, languages have different conceptual systems, if it is true, then someone who speaks one language will be unable to learn another language because he lacks the right conceptual system.

Q. What are Sapir-Whorf hypothesis: limitations and possibilities .

- The Sapir-Whorf hypothesis concludes that our language determines how we experience the world we are living in and how we experience that experience as a whole. The language a person speaks affects his thoughts and perspectives on the world.
- Language in Mind: Advances in the Study of Language and Thought (2003) gives three ideas on language and thought concepts. a. Language as a lens b. Language as a tool kit c. Language as a category maker.
- Some studies conclude that Sapir-Whorf hypothesis being significant, but not being applicable to all situations..
- People's views of the world might depend upon their cultural norms, beliefs and perceptions. • Last but not the least would be the issue of the experiment itself. When one tries to study how people use language, without biasing them, he uses language to explain the study and conduct the experiments.
- Sapir and Whorf state that language and thought are two closely related terms. Generally, now, researchers come to a conclusion that the Sapir-Whorf hypothesis has some truth; yet, the extent of truth in the hypothesis is unsolved or yet to be solved.

Q. Explain theory that 'speech is essential for thought' (1st theory on culture and language)

We must learn how to speak aloud, otherwise we cannot develop thinking.
Proponents:



(a) Thought is a kind of behavior, speech, which originates from speech production

(b) Thought develops as a kind of speech - By speaking aloud, you start to speak sub vocally or make internal articulations.

Q. Why is speech production not necessary in order to think? Inadequacies of the theory.

1) Children having no speech production can comprehend and think

. 2) Speech comprehension, which implies thought, develops from speech production in normal children

3) Simultaneously speaking aloud while thinking about something different

. 4) Telling a lie

5) Meaning and thought occur without behavior

6) Interpreting between languages can be done All of these 6 objections to the theory show that speech production is not necessary for thought.

Q. Explain the Whorf hypothesis

A hypothesis first advanced by Edward Sapir in 1929 and it was developed by Benjamin Whorf. The Sapir-Whorf hypothesis, also known as the linguistic relativity hypothesis, refers to the proposal that the particular language one speaks influences the way one thinks about reality. Linguistic relativity stands in close relation to semiotic-level concerns with the general relation of language and thought, and to discourse-level concerns with how patterns of language use in cultural context can affect thought. Linguistic relativity is distinguished both from simple linguistic diversity and from strict linguistic determinism.

Q. Explain linguistic determinism and relativity

Linguistic determinism refers to the notion that a language determines certain nonlinguistic cognitive processes. Linguistic relativity refers to the claim that the cognitive processes that are determined are different for different languages. Whorf hypothesis states that our language shapes the way we think about the world. This hypothesis consists of two parts: Linguistic determinism which states that languages determines cognitive processes, and linguistic relativity states that the resulting thought processes vary from language to language.



Q. Give some Whorfian examples: Lexical examples and grammatical examples

Whorf provided a number of examples designed to show that linguistic determinism and relativity were valid concepts. They can be broadly organized into lexical and grammatical examples.

Lexical Examples:

Differentiation: refers to the number of words in a given domain (e.g , colors, birds, fruits, and so on) in a lexicon. Languages differ in the domains that are most differentiated. Whorf noted that in the American Indian language of Hopi, just one word covers everything that flies except birds. Whorf suggested that there is no natural way to carve up reality; different languages do it in quite different ways. The number of words in a lexicon varies with how one defines the word. Languages differ in the degree to which they differentiate various lexical domains does not seem to be at issue.

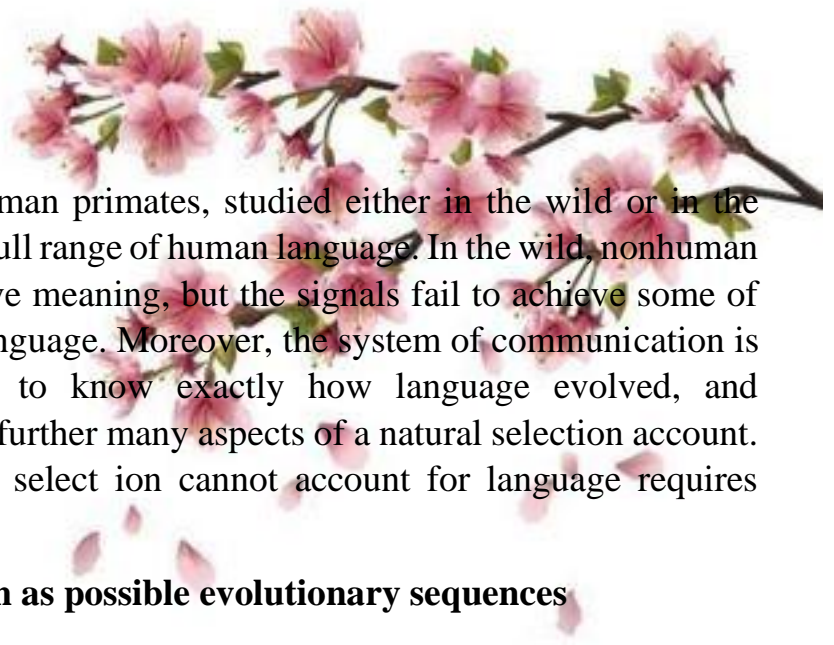
Grammatical Examples

In English, we come to respect the difference between nouns and verbs as a fundamental distinction. Another example of grammatical diversity concerns the extent to which a language uses word order or morphology to signal meaning. Some of the grammatical distinctions that are found in other languages do appear to be semantically significant. Whorf believed that grammatical distinctions such as these exert an effect on not just the way individuals think but also their overall world view. In English, there is a distinction between what Whorf called individual nouns (more commonly called count nouns) and mass nouns. In contrast, in Hopi, there are no mass nouns.

Q. Discuss teaching language to non-human primates

Some researchers have tried to teach apes to use language. Because of the structure of their vocal organs, apes can't say words, but they can communicate using signs or computers. Using these means, apes can make requests, respond to questions, and follow instructions. Although chimpanzees are bright and perhaps possess the strongest linguistic skills of any nonhuman primates, their linguistic accomplishments to date appear to fall short of language as we ordinarily use the term.

Q. What is the continuity debate?



Communication skills of nonhuman primates, studied either in the wild or in the laboratory, fall well short of the full range of human language. In the wild, nonhuman primates display signals that have meaning, but the signals fail to achieve some of the defining characteristics of language. Moreover, the system of communication is very limited. It is impossible to know exactly how language evolved, and undoubtedly we need to explore further many aspects of a natural selection account. But the conclusion that natural selection cannot account for language requires further exploration

. Q. Explain gesture and speech as possible evolutionary sequences

Natural language, as Pinker and Bloom have argued, is compatible with the Darwinian concept of natural selection. We still need to identify the sequence of events that led to language as we know it today. No one is quite sure exactly what happened, but there have been some interesting conjectures that lead to testable predictions. Gestural language may be more easily acquired than a spoken language, and thus may be closer to the origins of language. The studies of the evolution of language have examined gestures, brain specialization, and vocal tract specialization in nonhuman primates. Fossil records of vocal tract anatomy suggest that the capacity for speech is a recent evolutionary development.

Q. Explain brain size and social cognition as possible evolutionary sequences

The finding that brain size increased prior to vocal tract changes helps us pin down the sequence of evolutionary events but also raises an issue. Why did brain size increase? That is, what selective pressures led to this development? Dunbar (1993, 1998) has pointed out, brain size has costs as well as benefits. Dunbar's view provides an interesting and plausible explanation of why language evolved. With regard to our evolutionary ancestors, the social cognition hypothesis is that language evolved as a bonding device. Larger group sizes led to larger brains, including brains more capable of inferring the intentions of others, and larger brains ultimately led to language (Dunbar, 1998). As with all of these views, issues remain to be discussed, but Dunbar's view provides an interesting and plausible explanation of why language evolved. If this view is correct, then social pressure is the driving force behind the evolution of language.

Q.Duality of Patterning

A small number of meaningless elements on one hand and a large number of meaningful elements on the other hand. Duality of patterning: hand configuration,



place of articulation, and movement. (from google) □ Duality of patterning refers to the ability of human language, both signed and spoken, to form discrete meaningful units (morphemes; cf. "Rules of word formation (morphology)") from discrete non-meaningful segments (phonemes)

Q.Contexts of Childhood & Bilingualism

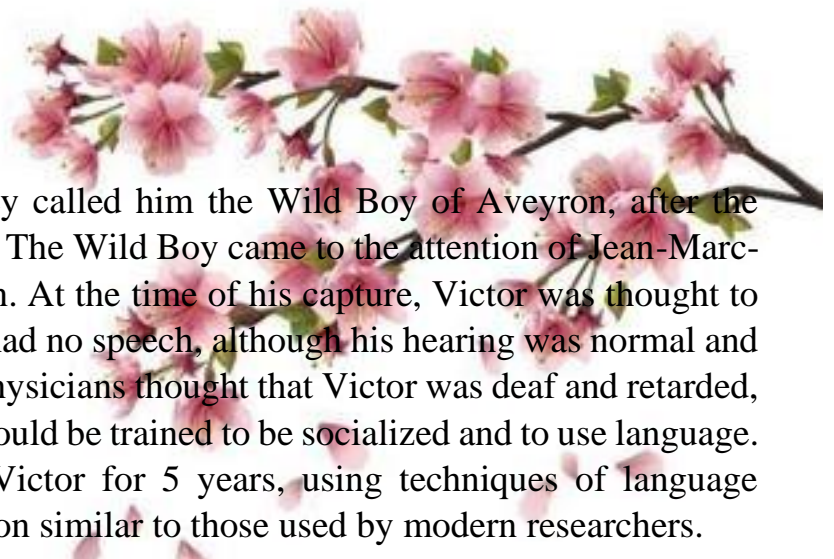
The meaning and definition of bilingualism varies tremendously from situation to situation. Some individuals are bilingual because they live in bilingual regions; some become bilingual because their home language is not the same as their school or business language; some become bilingual because colonization has imposed another language. Others become bilingual because they have studied a language in school or because they grew up in homes with two languages. A distinction has been drawn between simultaneous bilingualism and sequential bilingualism. When children acquire two languages at the same time, their bilingualism is referred to as simultaneous bilingualism. Sequential bilingualism occurs when an individual (child or adult) acquires a second language after already acquiring a native language. This type of bilingualism is also referred to as second-language acquisition. Most commonly, children learn two languages simultaneously when they are born into a community that is bilingual. In some communities, bilingualism is simply expected.

Q.Language creativity

The process of creative problem-solving usually begins with defining the problem. This may lead to finding a simple non-creative solution, a textbook solution, or discovering prior solutions developed by other individuals. If the discovered solution is sufficient, the process may then be abandoned. Improvement in proficiency preceded the improvement in intelligence, suggesting that language proficiency caused cognitive improvement rather than the other way around. Considerable research indicates that bilingual children show greater Metalinguistic awareness than monolingual children. Although it was once thought that bilingualism led to cognitive impairment, there is now evidence that bilingual children perform better on certain problem-solving and creativity tasks than do monolingual children.

Q.feral or isolated children or only Isolated Children

Feral children are those who have grown up in the wild. Lane presented a detailed description and analysis of a boy named Victor, who was found in the woods of France in 1797. Peasants spotted the boy running naked through the woods, searching for potatoes and nuts, and he was subsequently captured by some hunters



and brought to civilization. They called him the Wild Boy of Aveyron, after the province in which he was found. The Wild Boy came to the attention of Jean-Marc-Gaspard Itard, a young physician. At the time of his capture, Victor was thought to be about 12 or 13 years old. He had no speech, although his hearing was normal and he uttered some sounds. Other physicians thought that Victor was deaf and retarded, but Itard was optimistic that he could be trained to be socialized and to use language. Itard worked intensively with Victor for 5 years, using techniques of language training and behavior modification similar to those used by modern researchers.

Q. Discuss the critical period hypothesis with example

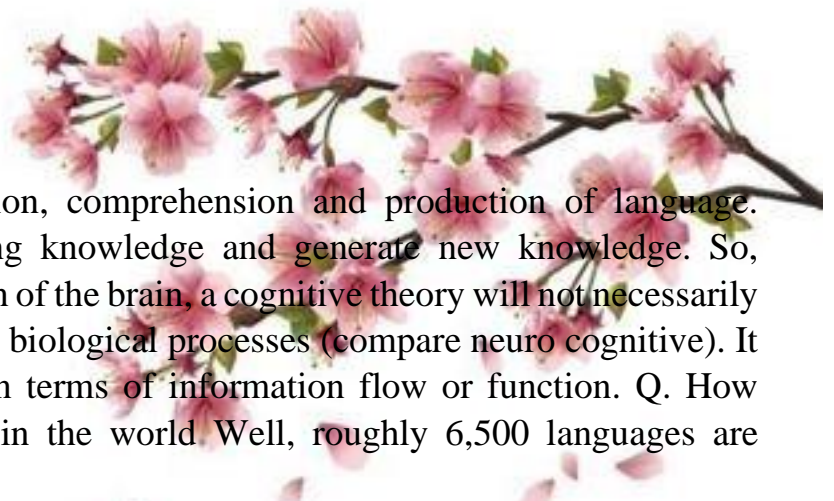
There is a period early in life in which we are especially prepared to acquire a language is referred to as the critical period hypothesis. Many investigators who favor the critical period hypothesis suggest that there are neurological changes in the brain that leave a learner less able to acquire a language, although the nature of these supposed changes is not well understood. Most commonly, these changes are assumed to occur near puberty. Surprisingly, although the critical period hypothesis has evoked much discussion, there have been few empirical studies that have tested the hypothesis. A landmark study was reported by Johnson and Newport (1989) who examined native speakers of Korean and Chinese who had immigrated to the United States at various ages between 3 and 39 years of age. On the average, the participants who arrived earlier (that is, before puberty) had been in the United States about the same amount of time as those who had arrived later. They also included a group of native speakers for comparison purposes.

Q. how critical period effect second language learning

The evidence from second-language acquisition research has not provided unequivocal evidence for the critical period hypothesis. The best we can say is that young children generally learn L2 better than older children and adults, at least in the long run. Moreover, the advantage that younger learners display in some studies may be due to biological changes (as assumed in the critical period hypothesis), environmental factors, cognitive changes, or some combination of factors. Clearly, we have much more to learn about how the capacity for language acquisition changes over the life span.

Q. Explain cognitive process

Cognition is "the mental action or process of acquiring knowledge and understanding through thought and experience. It encompasses processes such as



attention, memory and evaluation, comprehension and production of language. Cognitive processes use existing knowledge and generate new knowledge. So, cognitive processes are a function of the brain, a cognitive theory will not necessarily make reference to the brain or to biological processes (compare neuro cognitive). It may purely describe behavior in terms of information flow or function. Q. How many languages being spoken in the world Well, roughly 6,500 languages are spoken in the world today

Q. What do you know about Piaget's theory of cognitive development?

Piaget's theory of cognitive development explains how a child constructs a mental model of the world. He disagreed with the idea that intelligence was a fixed trait, and regarded cognitive development as a process which occurs due to biological maturation and interaction with the environment. According to Piaget, children are born with a very basic mental structure on which all subsequent learning and knowledge are based. To Piaget, cognitive development was a progressive reorganization of mental processes as a result of biological maturation and environmental experience. Children construct an understanding of the world around them, and then experience discrepancies between what they already know and what they discover in their environment. There Are Three Basic Components To Piaget's Cognitive Theory: Schemas: building blocks of knowledge. Adaptation processes that enable the transition from one stage to another (equilibrium, assimilation, and accommodation). Stages of Cognitive Development: sensorimotor, preoperational, concrete operational, Piaget is known for studying the stages children pass through during cognitive development.

Q. Explain briefly operating principles

One of the most productive approaches to the question has been Slobin's work on operating principles. Operating principles are children's preferred ways of taking in (or operating on) information.

Principle 1: Children Learn What They Hear Most

Principle 2: Children Learn Words for Things and Events That Interest Them

Principle 3: Interactive and Responsive Rather Than Passive Contexts Promote Language Learning

Principle 4: Children Learn Words Best in Meaningful Contexts



Principle 5: Children Need to Hear Diverse Examples of Words and Language Structures Principle 6: Vocabulary and Grammatical Development Are Reciprocal Processes

Q. What do you know about sensorimotor schemata/ piaget sensory motor?

A sensorimotor schema is a psychological construct which gathers together the perceptions and associated actions, schemas available to a young infant are biological and very limited and initially consist of reflexes. The schema represents knowledge generalized from all the experiences. Sensorimotor schemata are ways of organizing the world that emerge in the first two years of life. As children interact with their environments, they go through an astonishing amount of cognitive growth in a relatively short period of time

. Q. What are the sub-stages of sensorimotor schemata?

Reflexes (0-1 month): The child understands the environment purely through inborn reflexes. **Primary Circular Reactions** (1-4 months): This sub stage involves coordinating sensation and new schemas.

Secondary Circular Reactions (4-8 months): The child becomes more focused on the world. **Coordination of Reactions** (8-12 months): The child starts to show clearly intentional actions. **Tertiary Circular Reactions** (12-18 months): Children begin a period of trial-and-error Experimentation

Early Representational Thought (18-24 months): Children begin to develop symbols

Q. What is whole object bias?

When children encounter a new label, they prefer to attach the label to the entire object rather than to part of the object. For example, if a child is shown and given the label "truck", the child will assume truck refers to the whole object instead of the tires, doors, colors or other parts. Even in cases where color or a dynamic activity are made salient to children, they will still interpret the new word as a label for whole objects (Markman,1991).

Q. What is Taxonomic Bias?

In language development, the tendency of children to suppose that a novel word that refers to one thing also refers to similar things (rather than thematically related



things). Children will assume that the object label is a taxonomic category rather than a name for an individual dog.

Q. What is mutual exclusivity bias?

Mutual exclusivity is a word learning constraint that involves the tendency to assign one label/name, and in turn avoid assigning a second label, to a single object. This assumption is typically first seen in the early stages of word learning by toddlers, but it is not limited to young childhood.

Q. What are impairments of language and cognition?

A cognitive-linguistic impairment can often result from a right brain injury. This does not directly affect the language area of the brain, but can affect attention, memory, problem solving and interpretive language, which in turn affect communicative abilities. A close relationship exists between language and cognition (individuals with down syndrome). Some individuals display cognitive skills that are advanced relative to the individual's linguistic skills. Cognition is sufficient for language.

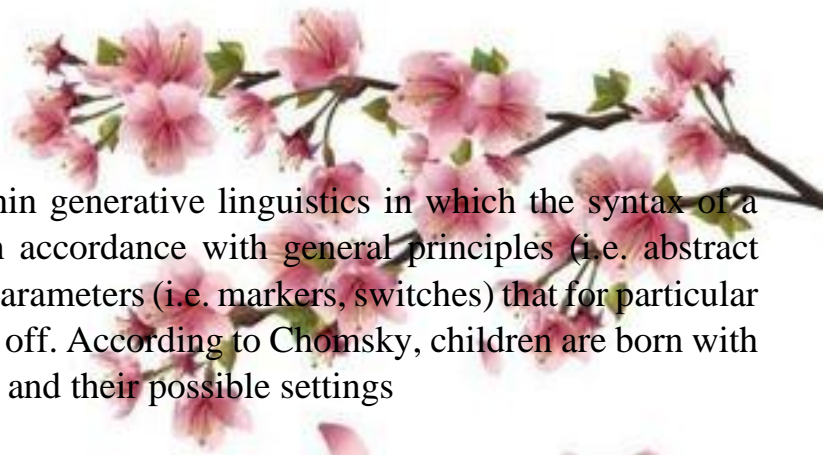
Q. Define pidgins and creoles.

A pidgin is an auxiliary language that arises when speakers of several mutually unintelligible languages are in close contact (Bickerton). A creole occurs when the children of these immigrants acquire a pidgin as their native language. Creole languages are largely invented by children and show fundamental similarities, which derive from a biological program for language.

Q. What is the language bioprogram?

How innate processes operate in child language has been called the language bioprogram hypothesis by Bickerton. Bickerton's claim, is that we, as children, have an innate grammar that is available biologically if our language input is insufficient to acquire the language of our community. Unlike pidgins, the creoles resembled the structural rules of other languages. From these observations, Bickerton concludes that children have an innate grammar that, in the absence of proper environmental input, serves as the child's language system. He calls this system the Language Bioprogram. Studies of creole language suggest that we have a linguistic backup system, the language bioprogram, which springs into action when language input is limited.

Q. What is parameter setting?



Parameters is a framework within generative linguistics in which the syntax of a natural language is described in accordance with general principles (i.e. abstract rules or grammars) and specific parameters (i.e. markers, switches) that for particular languages are either turned on or off. According to Chomsky, children are born with the knowledge of the parameters and their possible settings

. Q. What is head parameter?

Each phrase in the language has one element that is most essential, which is called the head. the man with the bow tie. English is a head-first language, In contrast, in Japanese the heads appear last rather than first. Watashi wa nihonjin desu (I Japanese am). Another parameter is the null-subject parameter (sometimes called the pro-drop parameter). (11) Play it. (12) Eating cereal.

Q. Explain the subset principle.

Whenever there are two competing grammars generating languages of which one is a proper subset of the other, the learning strategy of the child is to select the less inclusive one. Children learning fixed-word-order languages generally stick to the orders used by their parents. The subset principle allows for some testable developmental prediction. If fixed word order is the default value, then children all over the world should begin their linguistic careers by producing utterances that adhere to strict word order. Children learning free-word-order languages appear to use only some of the permissible orders of their language, at least in certain circumstances.

Q. What are the issues of negative evidence?

At the grammatical level, positive evidence is evidence that a particular utterance is grammatical in the language that the child is learning; negative evidence is evidence that a particular utterance is ungrammatical. Children receive negative evidence when someone indicates that a particular utterance is ungrammatical. Pinker (1990) argues that it would be very difficult to acquire a language from positive evidence alone. Although negative evidence is present and may assist language development, it is not necessary. The contrast between the poverty of the stimulus and the robustness of the child's language remains the soundest justification for innate mechanisms.

Q. What are objections to innate mechanisms?



Studies of pidgins and creoles suggest the presence of an innate backup grammar. Researchers studying parameters have attempted to specify what kinds of linguistic information must be innately present before children can take advantage of the language they receive from their environment. Though objections to innate language mechanism are not overruled, most of the studies converge on the conclusion that some innate linguistic must be present in order for children to acquire language as successfully as most children do.

Q. define aphasia

Aphasia is a disorder that results from damage to portions of the brain that are responsible for language. For most people, these areas are on the left side of the brain.

Q. symptoms of broca's aphasia/expressive aphasia

- 1: poor or absent grammar.
- 2: difficulty forming complete sentences.
- 3: omitting certain words, such as "the," "an," "and," and "is" (a person with Broca's aphasia may say something like "Cup, me" instead of "I want the cup")
- 4: more difficulty using verbs than nouns correctly.

Q. expressive aphasia/broca's aphasia/ is broca's aphasia and expressive aphasia same or not.

Broca's aphasia is also known as expressive aphasia. The speech of a person with expressive aphasia contains mostly content words such as nouns, verbs, and some adjectives. The omission of function words makes the person's speech agrammatic. For example, a person with expressive aphasia might say "Smart... university... smart... good... good..." A person with expressive aphasia will exhibit effortful speech. The speech of a person with expressive aphasia contains mostly content words such as nouns, verbs, and some adjectives. Self-monitoring is typically well preserved in patients with Broca's aphasia. In very severe forms of expressive aphasia, a person may only speak using single word utterances. Typically, comprehension is mildly to moderately impaired in expressive aphasia due to difficulty in understanding complex grammar.

Q. Discuss Wernicke's aphasia Conduction aphasia

Man From Nowhere

Carl Wernicke discovered a different form of aphasia. Wernicke's aphasia results from damage to a region in the left temporal lobe near the auditory cortex. This region is now called Wernicke's area. Wernicke's aphasia is associated with deficits in comprehension and semantic organization. Wernicke's aphasia is also known as receptive aphasia, in which individuals have difficulty understanding written and spoken language

Q. What are the common symptoms seen in patients with Wernicke's aphasia?

Impaired Comprehension, Poor Word Retrieval, Fluent Speech, Production of Jargon, Awareness

Q. Conduction aphasia

Conduction aphasia results from dissociation of an intact Broca's area from an intact Wernicke's area and leads to a deficit in repetition. A third major type of aphasia is conduction aphasia, which is a disturbance of repetition. In Conduction aphasia, Patients will display frequent errors during spontaneous speech such as substituting sounds and Speech will often contain paraphasic errors

Q. What are other aphasias?

Other Aphasias include:

- Pure word deafness
- Disruption of inputs to Wernicke's area results in an inability to understand speech.
- Corpus Callosum: The corpus callosum connects the left side of the brain to the right side, each side being known as a hemisphere. (this is imp for short q)
- Alexia: Pure alexia refers to the inability to read.

GOOD-LUCK

