



Модуль 1. Адам факторы және таным

CSE 5442 Адам-компьютер өзара әрекеттестігі

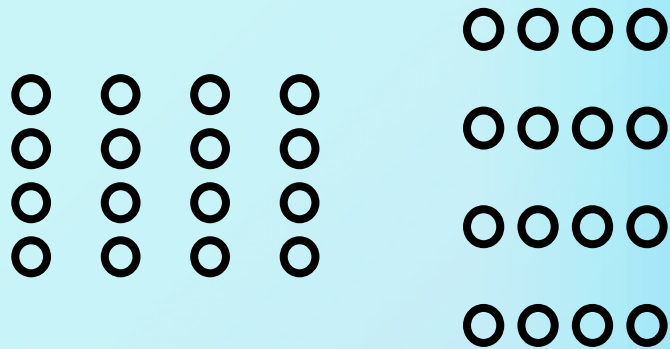
2-дәріс. Қабылдау, жад, назар және қимыл-қозғалыс мінез-құлқы

Лектор: ф.-м.ғ.к., ассоц. профессор
Ягалиева Багдат Есеновна

Адамның мүмкіндіктері мен шектеулері

Қабылдау, жад, назар және қимыл-қозғалыс мінез-құлқы (Гештальт заңдары)

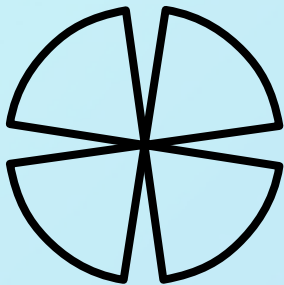
Мысал А: Жақындық заңы



Мысал Б: диірменнің қанаттары
Жақындық заңы



Мысал В: Жабықтық заңы



Мысал Г: Жақсы жалғастық заңы

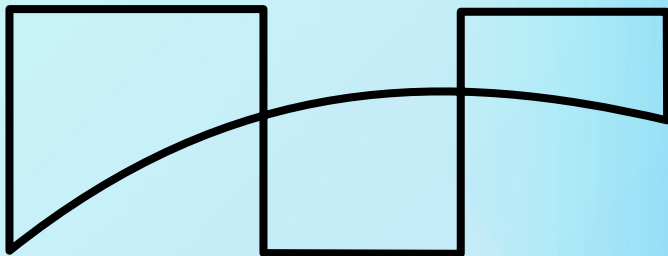


Адамның мүмкіндіктері мен шектеулері

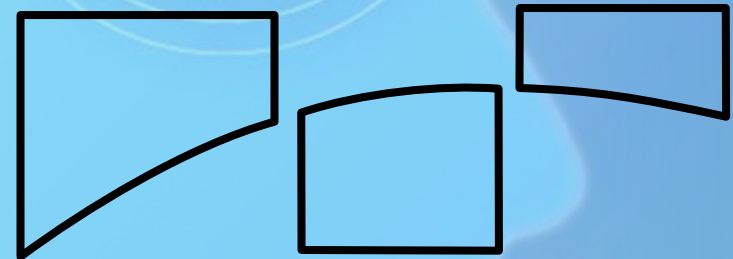
Қабылдау, жад, назар және қимыл-қозғалыс
мінез-құлқы (Гештальт заңдары)

Жабықтық немесе жалғастық

Мысал Д: Жақсы жалғастық заңы



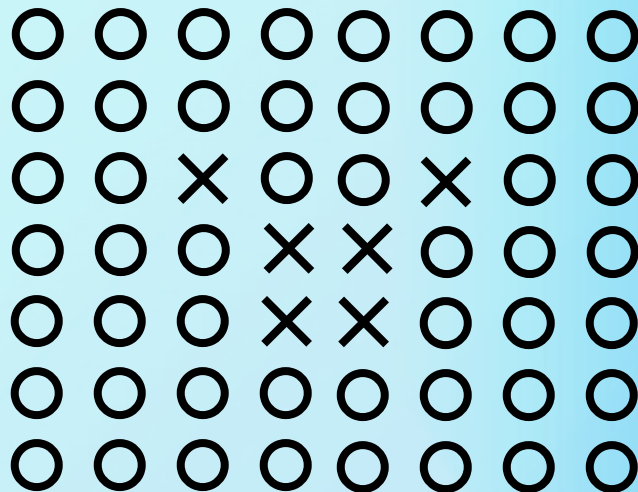
Мысал Е:
Жабықтық заңы



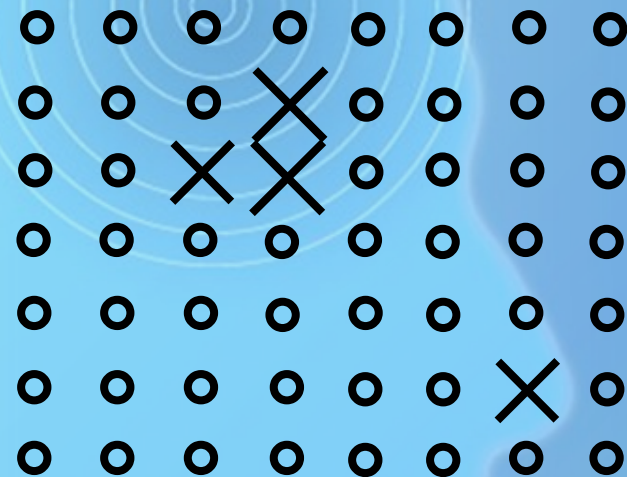
Адамның мүмкіндіктері мен шектеулері

Қабылдау, жад, назар және қимыл-қозғалыс
мінез-құлқы (Гештальт заңдары)

Мысал Ж



Мысал 3



Параллельді қозғалыс заңы

Закон . . .

Адамның мүмкіндіктері мен шектеулері

Қабылдау, жад, назар және қимыл-қозғалыс
мінез-құлқы (Гештальт заңдары)

Сызықтар заңы_

А

Printer: HP LaserJet 4L on LPT1: [OK]

Print: [Slides]

Print Range:

- ☒ All
- ☐ Current Slide
- ☐ Slides from: 1 To: 10

Print Quality: [High] Copies: 1

☐ Print to File ☒ Collate Copies

☐ Reverse Print Order ☒ Scale to Fit Paper

☐ Omit Background Color ☐ Black & White Only

[Cancel] [Print Setup...]

Б

☒ All

☐ Black & White Only

[Cancel]

☒ Collate Copies

Copies: 1

☐ Current Slide

[OK]

☐ Omit Background Color

Print: [Slides]

Printer: HP LaserJet 4L on LPT1:

Print Quality: [High]

[Print Setup...]

☐ Print to File

☐ Reverse Print Order

☒ Scale to Fit Paper

☐ Slides from: 1 To: 10

В

☒ All

☐ Black & White Only

[Cancel]

☒ Collate Copies

Copies: 1

☐ Current Slide

[OK]

☐ Omit Background Color

Print: [Slides]

Printer: HP LaserJet 4L on LPT1:

Print Quality: [High]

[Print Setup...]

☐ Print to File

☐ Reverse Print Order

☒ Scale to Fit Paper

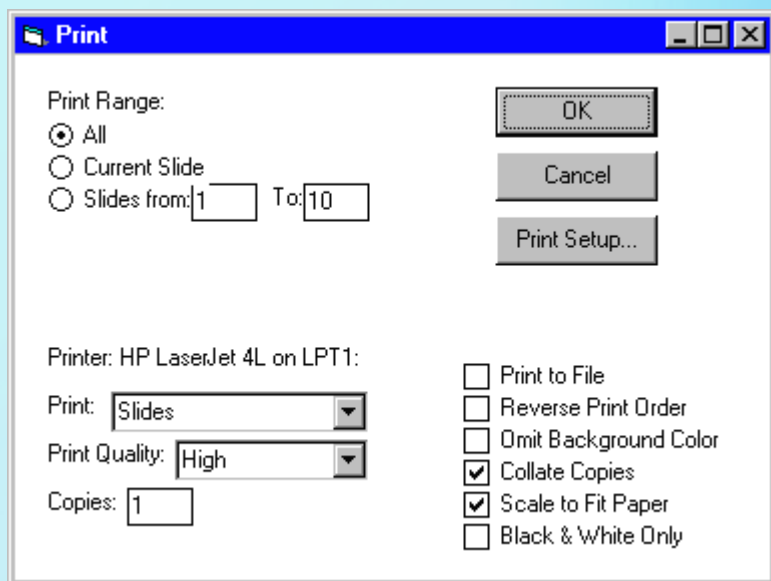
☐ Slides from: To: 10

Адамның мүмкіндіктері мен шектеулері

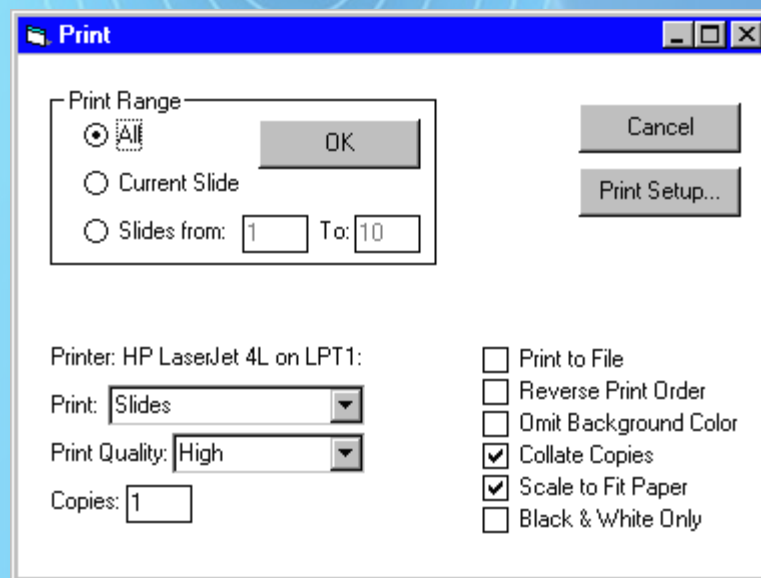
Қабылдау, жад, назар және қимыл-қозғалыс
мінез-құлқы (Гештальт заңдары)

Жақындық және жабықтық

Г



Д



Адамның мүмкіндіктері мен шектеулері

Қабылдау, жад, назар және қимыл-қозғалыс мінез-құлқы (Гештальт заңдары)

Бағаналар гештальты

Introduction & Basic Concepts	7	Functional details	85
The role of requirements	8	Complex and simple functions	85
Project types	11	Tables and decision tables	88
Contents of the specification	13	Textual process descriptions	90
Problems observed in practice	16	State diagrams	92
Domain level and product level	18	State-transition matrices	94
The goal–design scale	20	Activity diagrams	95
Typical project models	24	Class diagrams	98
Data requirement styles	30	Collaboration diagrams	102
The hotel system example	30	Sequence diagrams	103
The data model	30	Special Interfaces	107
Data dictionary	37	Reports	107
Data expressions	39	Platform requirements	108
Virtual windows	42	Product integration – ordinary customers	110
Functional requirement styles	45	Product integration – main contractor	114
Human/computer – who does what?	45	Technical interfaces	115
Context diagrams	46	Quality requirements	117
Event list and function list	47	Quality Factors	118

Адамның мүмкіндіктері мен шектеулері

Қабылдау, жад, назар және қимыл-қозғалыс (жалғасы) мінез-құлқы (Гештальт заңдары)

Introduction & Basic Concepts -----	7	Functional details -----	85
The role of requirements -----	8	Complex and simple functions -----	85
Project types -----	11	Tables and decision tables-----	88
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Адамның мүмкіндіктері мен шектеулері

Қабылдау, жад, назар және қимыл-қозғалыс
мінез-құлқы (Гештальт заңдары)

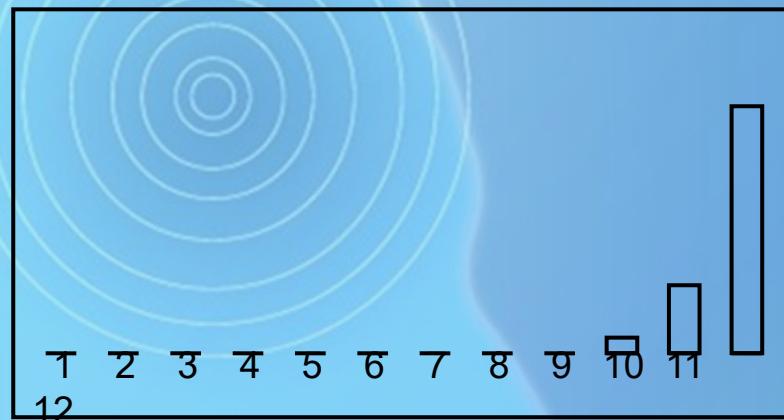
Тақырыптың жақындығы



Sales of X-mas trees

There is a strong seasonal variation
in the sales of . . .

Суретке атау ма,
әлде тақырып па?



Sales of X-mas trees

There is a strong seasonal variation
in the sales of . . .

Сомнений нет

Адамның мүмкіндіктері мен шектеулері

Қабылдау, жад, назар және қимыл-қозғалыс мінез-құлқы (Гештальт заңдары)

Мәтін

1

This report is intended to provide background information which will facilitate the development of procedures and tools to improve the tware producers to manage and control software quality and to demonstrate the achievement of software quality requirements.

The report surveys published work relating to the identification and specification of software quality characteristics, metrics relating to them, and inferences which can be drawn from the metrics. It does not attempt, however, to evaluate the published work to any great extent. It notes the ure, and identifies uality Management project. In summarising such large works it has not been possible to cover all the material, and the serious student may need to refer to the originals for further details.

Boehm et al's book entitled "Characteristics of Software Quality" reports on work done in the early seventies and is a precursor not only or McCall et al's work but also of Gilb's. The initial objectives of the study were to identify a set of characteristics of software quality, and for each characteristic to aimed at measuring the degree to which a program possesses the characteristic and hence provide an overall software quality assessment.

(Boehm et al soon abandoned the idea of an overall quality since they argued that the quality requirements for a given product will vary with the needs and priorities of the user, so there could be no single universally useful rating of software quality. They concluded that metrics would be best used as anomaly indicators - ie to note that an item of software differed from the normal pattern in a way that might be symptomatic of quality problems.)

2

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Адамның мүмкіндіктері мен шектеулері

Қабылдау, жад, назар және қимыл-қозғалыс мінез-құлқы (Гештальт заңдары)

(қосымша)

3

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Ясные гештальты,
но строки слишком
длинные.
Сложно читать

Адамның мүмкіндіктері мен шектеулері

Қабылдау, жад, назар және қимыл-қозғалыс

мінез-құлқы (Гештальт заңдары)

Жол ұзындығы, А4 форматы, есептер

100 бет

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Қарапайым есептер:
Қаріп өлшемі – 12 пункт.
Өрістер (поля) – 3,5 см.

83 бет

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Күрделі есептер:
Қаріп өлшемі – 10 пункт.
Өрістер (поля) – 3,5 см + 6 см.

64 стр

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Техникалық құжаттар:
Қаріп өлшемі – 10 пункт.
2 баған + өрістер – 2 см

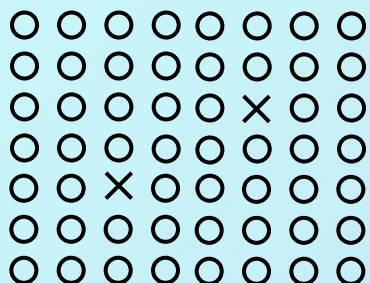
Классикалық ережелер:
Жолдың макс. ұзындығы — 12,5 см
Макс. таңба саны — 65.

Адамның мүмкіндіктері мен шектеулері

Қабылдау, жад, назар және қимыл-қозғалыс мінез-құлқы (Гештальт заңдары)

Контраст

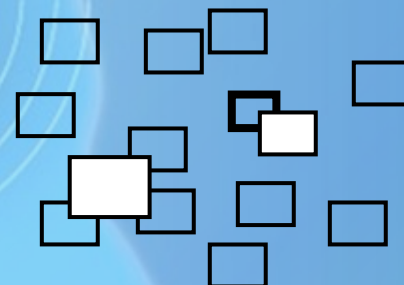
Форма



Өлшем, қалыңдық немесе 3D

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fgtær mm dmsm sp ab anem a tts, to fmst
saåfprs fer s frfi smfe skf org s fp4et gsæ
fgtær mm dmsm sp.

ab anem fmst saåfprs fer s
frfi smfe skf org s fp4et gsæ fgtær mm
dmsm sp ab anem a tts, to fmst saåfprs
fer s frfi smfe skf org s fp4et gsæ fgtær
mm dmsm sp ab anem a tts, to fmst
saåfprs fer s frfi smfe skf org s fp4et gsæ
fgtær mm dmsm sp ab anem a tts, to fmst
saåfprs fer s frfi smfe skf org s fp4et gsæ

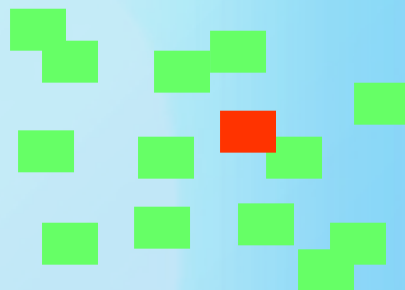


Түс және жарықтық

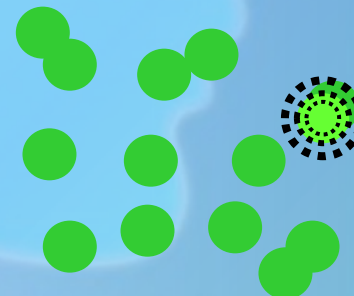
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tts, to fmst saåfprs fer s
frfi smfe skf org.

Tts to fer s frfi smfe skf

Org s fp4et gsæ fgtær
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frfi **smfe** skf org s fp4et
gsæmm dmsm



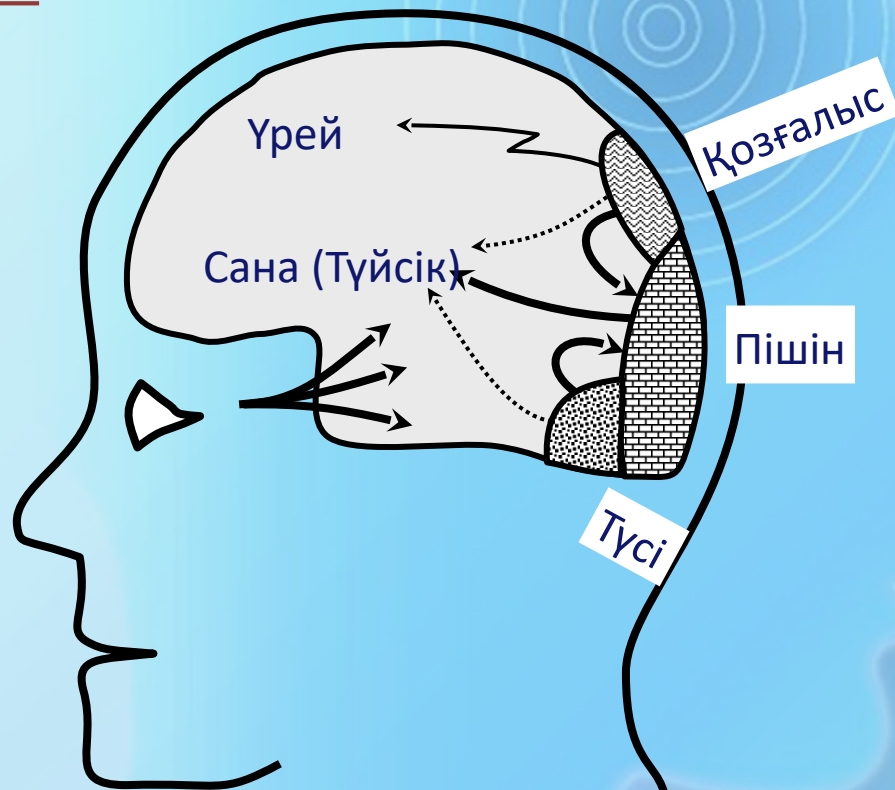
Жарқыл немесе қозғалыс (интенсивтілік)



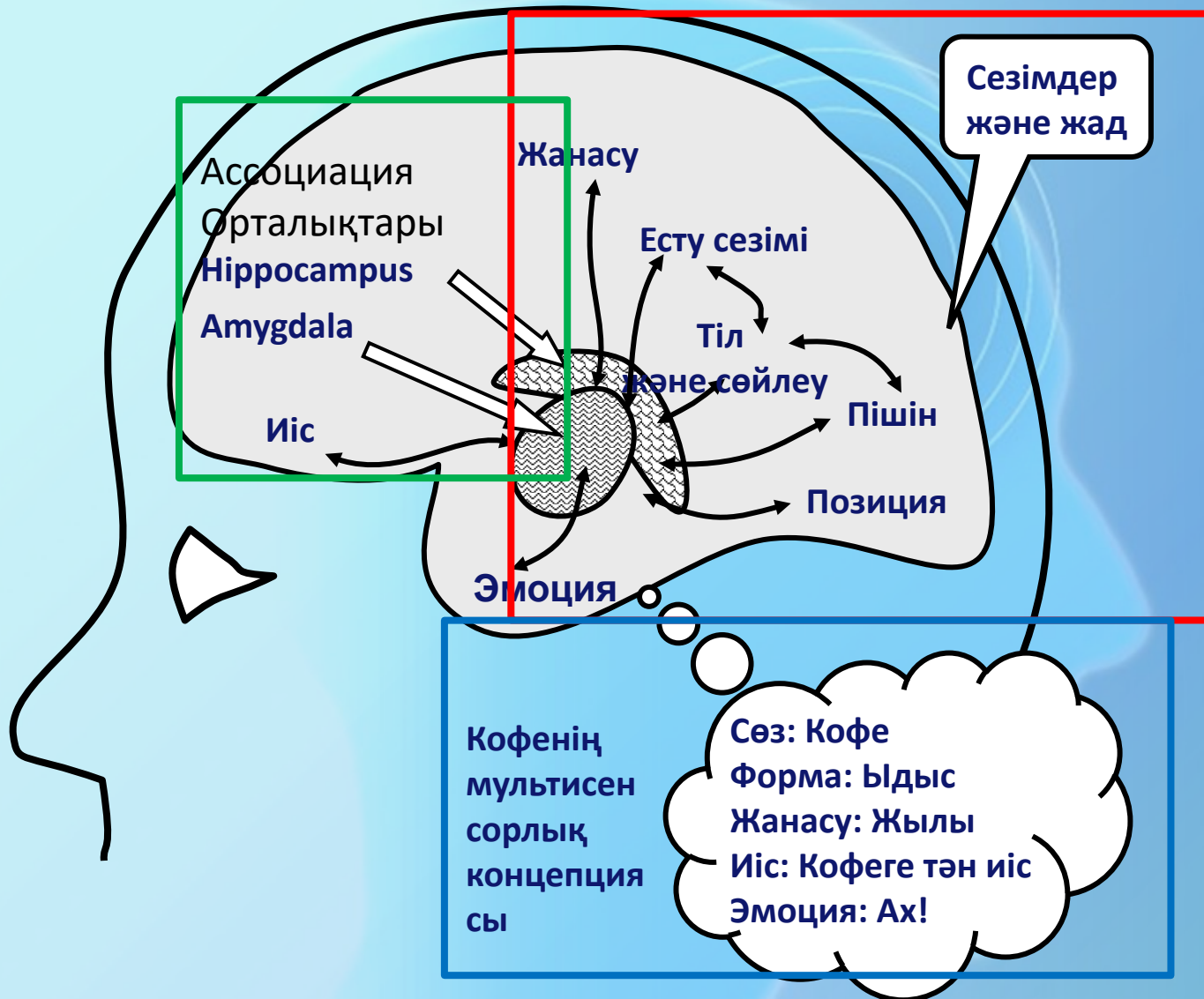
Адамның мүмкіндіктері мен шектеулері

Қабылдау, жад, назар және қимыл-қозғалыс
мінез-құлқы (Гештальт заңдары)

Көру орталықтары



Адамның мүмкіндіктері мен шектеулері



Адамның мүмкіндіктері мен шектеулері

CSE 5442 – Адам-компьютер өзара әрекеттестігі

Назарларыңызға рахмет!

