



## CBRT - 2020 Question Paper Grid

Government of Goa

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**Set Name**

**Subjects**

**Display**

### Assistant Professor(Psychology)

**Passage:**

Everything except the truth wears, and needs to wear, a mask. Little souls are ashamed of nature. Prudery pretends to have only those passions that it cannot feel. Moral poetry is like a respectable canal that never overflows its banks. It has weirs, through which, slowly any excess of feeling is allowed to flow. It makes excuses for nature, and regards love as an interesting convict. Moral art paints or chisels feet, faces or rags. It regards the body as obscene. It hides behind with drapery, that which it has not the genius purely to portray. Mediocrity becomes moral from a necessity which it has the impudence to call virtue. It pretends to regard ignorance as the foundation of purity, and insists that virtue seeks the companionship of the blind.

**Itemcode : SY1052**

**Q1 :** It is suggested in the above passage that the morality of mediocrity is based upon

- (a) impudence
- (b) virtue
- (c) necessity
- (d) purity

**Itemcode : SY1053**

**Q2 :** "Everything except the truth wears, and needs to wear, a mask".  
The above statement implies that

- (a) Everything wears or needs a mask
- (b) Truth needs to wear a mask
- (c) Truth never wears or needs a mask
- (d) Everything does not need a mask.

**Itemcode : SY1054**

**Q3 :** From the options given below, select the one that best explains the following statement from the passage: "that which it has not the genius purely to portray".

- (a) feet, faces, rags
- (b) obscene body
- (c) mediocrity
- (d) nudity of the body

**Itemcode : SY1055**

**Q4 :** The phrase "little souls" in the passage means

- (a) petty individuals
- (b) prudes
- (c) adolescent artists
- (d) moralists

**Itemcode : SY1056**

**Q5 :** Identify the odd part of speech from the following terms in the passage: "prudery; obscene; virtue; impudence

- (a) virtue
- (b) prudery
- (c) virtue
- (d) obscene

**Itemcode : SY1057**

**Q6 :** A study of six patients who all suffer from a rare form of cancer revealed that though they all live in different locations in the county and have quite different medical histories, diet, and personal habits-two smoke cigarettes and three drink alcoholic beverages-they are all employed at a company that manufactures herbicides and pesticides. From this study it can be concluded that exposure to the chemicals produced by the company is the probable cause of the disease. The method of reasoning used by this argument is:

- (a) Isolating a common feature through a process of elimination and concluding that this feature is causally related to the event under investigation.
- (b) Reaching a general conclusion on the basis of the experiences of the six patients.
- (c) Providing information that allows the application of a general claim to a specific case.
- (d) Indirectly showing that exposure to the chemicals produced by the company is the likely cause by demonstrating that none of the other alternatives is the cause.

**Itemcode : SY1058**

**Q7** : The average annual salary for executives at World-Wide Travel last year was \$55,000, while the average salary for travel consultants was \$47,000. The average annual salary for all employees was \$38,000. If the above information is correct, which one of the following conclusions can be properly inferred from it?

- (a) There were fewer executives than travel consultants at World-Wide Travel last year.
- (b) No travel consultants earned more than an executive last year.
- (c) There was at least one employee who earned less than the average for a travel consultant.
- (d) Some travel consultants earn more than the lowest paid executives.

**Itemcode** : SY1059

**Q8** : A recipe for cooking potatoes states that potatoes should be cooked in boiling water for 20 minutes to be properly prepared. This holds only for potatoes that have been diced into one-inch cubes-smaller cubes would require proportionately less cooking time and larger ones proportionately more. It is important that potatoes not be overcooked, since this greatly diminishes their food value. Undercooking also should be avoided because undercooked potatoes cannot be properly digested.

If the above statements are true, which of the following conclusions is most strongly supported?

- (a) Whole potatoes, when properly cooked, cannot be properly digested.
- (b) Potatoes that are diced into one-half-inch cubes and cooked in boiling water for 20 minutes will likely have little food value.
- (c) Potatoes that are properly digestible must be cooked in boiling water for at least 20 minutes.
- (d) Boiling in water is the only method of cooking potatoes that will ensure high food value and proper digestibility.

**Itemcode** : SY1060

**Q9** : Analytic propositions provide no information about any matter of fact. This applies to all analytic propositions. In other words, they are entirely devoid of information about the world. It is for this reason that no empirical evidence can refute them.

Which of the following must be assumed for the above argument's conclusion to be properly drawn?

- (a) The truth or falsity of analytic propositions cannot be determined by empirical evidence.
- (b) Analytic propositions are neither true nor false.
- (c) Analytic propositions are completely uninformative.
- (d) Empirical evidence can only refute propositions that provide information about matters of fact.

**Itemcode** : SY1061

**Q10** The Philadelphia Eagles are given 7 to 2 odds of winning the NFC championship. The New England Patriots are given 8 to 3 odds of winning the AFC championship. Therefore, the Eagles and the Patriots will meet in the Super Bowl. The conclusion follows from the argument with a probability of :

- (a) .57
- (b) .47
- (c) .67
- (d) 77

**Itemcode** : SY1062

**Q11** If 'relftaga' means carefree, 'otaga' means careful and 'fertaga' means careless, which of the following could mean 'aftercare'?

- (a) zentaga
- (b) tagafer
- (c) tagazen
- (d) relffer

**Itemcode** : SY1063

**Q12** What will be the next letter in the following series? DCXW, FGVU, HGTS

:

- (a) AKPO
- (b) JBYZ
- (c) JIRQ
- (d) LMRS

**Itemcode** : SY1064

**Q13** A paragraph is given from which the last sentence has been deleted. From the given options, choose the one that completes the paragraph in the most appropriate way.

In an unsupported expedition, North Pole travellers must ski, snowshoe, swim, and climb, all while towing a 300-pound sled of supplies approximately 480 miles, which takes about 50 to 70 days. There are mounds of ice as big as houses to get over and stretches of 30-degree water to traverse, which travellers swim across wearing a full-body rubber suit. Air temperatures often hover around 40 degrees below zero.

- (a) "The future of skiing to the North Pole is dim."
- (b) "It's the most difficult expedition on the planet that nobody really knows about," says Larsen.
- (c) During a 2007 expedition, Weber walked for 10 to 12 hours a day, but because the ice he was on was drifting south, he stayed in virtually the same spot.
- (d) Further complicating the matter, the weather window for reaching the North Pole is short-and getting shorter every year-lasting from early March to early May, when the harshest temperatures of winter abate and the summer melt cycle is just beginning,

**Itemcode** : SY1065

**Q14** A paragraph is given from which the last sentence has been deleted. From the given options, choose the one that completes the paragraph in the most appropriate way.

One thing I remember is that I never saw my father running. This odd fact came to me one day recently when I was sprinting for a train, and I brooded on it for a long time afterwards. He must have run, of course, sometimes and on

some necessary occasions, but if he did, and if I saw him, I have no memory of it. His life, moving at an even and unruffled pace, was limited on all sides by the circumstances of his time, his class and his age.

- (a) Perhaps I am being patronising by thinking my father's life monotonous.  
 (b) For him, as for so many of his class and time, life had its fixed phases: childhood, the brief flowering of adolescence, then adulthood, marriage and the long plateau stretching to retirement.  
 (c) To me they seemed, until their final years, to be of an indeterminate age, creatures essentially of a different species, permanent and unchanging, simply there.  
 (d) Thinking back on the lives of one's parents and making comparisons with one's own life can be a dizzying exercise.

**Itemcode** : **SY1066**

**Q15** The given text is followed by four alternative summaries. Choose the option that best captures the essence of the text.

New mobile networks come along once every decade or so. Starting around 1980, the first generation of cellular phones relied on analogue technology. When the second-generation arrived in 1991, the networks began to go digital. By 2001, the third-generation swapped clunky old circuit-switching with efficient packet-switching. Around 2010, fourth-generation networks adopted IP technology in a big way, providing mobile devices with broadband access to the internet. What to expect from 5G? At this stage, one of the few things that can be said about 5G with certainty is that-if it is to meet society's growing demands for ubiquitous and instantaneous connectivity-such networks will need to have a response time of about one millisecond.

- (a) The generational changes in mobile networks have been brought about as an answer to the growing demands of society. 5G is the future of mobile networks as it will change how people use mobiles.  
 (b) Mobile networks see a change after each decade and this change is in line with the expectation of society. 5G is what people will be using in the future.  
 (c) Each generational change in mobile networks has seen additions to the various basic features for which mobiles are used. The future now is 5 G which will bring instant connectivity to the fore.  
 (d) Mobile networks are constantly upgraded with introduction of new technology. 5G is the future of mobile networks right now.

**Itemcode** : **SY1067**

**Q16** 'Alice in Wonderland' the famous TV serial is based on a book written by

- (a) Father Discoste  
 (b) Thomas Hardy  
 (c) Charles Dickens  
 (d) Lewis Caroll

**Itemcode** : **SY1068**

**Q17** Who is the writer of 'Swamy and Friends'?

- (a) Munshi Premchand  
 (b) Raman  
 (c) Max Muller  
 (d) R. K. Narayan

**Itemcode** : **SY1069**

**Q18** Where is the National Institute of Virology situated?

- (a) Pune  
 (b) Delhi  
 (c) Kolkata  
 (d) Madras

**Itemcode** : **SY1070**

**Q19** The first nuclear reactor in India is

- (a) Dhurva  
 (b) Harsha  
 (c) Vipula  
 (d) Apsara

**Itemcode** : **SY1071**

**Q20** The first electric train of India 'Deccan Queen' was run between

- (a) Howrah and Delhi  
 (b) Bombay and Surat  
 (c) Kalyan and Pune  
 (d) New Delhi and Madras

**Itemcode** : **SY1072**

**Q21** To which of the following country Olympic Airways belong?

- (a) France  
 (b) Greece  
 (c) Hong Kong  
 (d) Indonesia

**Itemcode** : **SY1073**

**Q22** Tiruchirapalli is situated on river

:

- (a) Cauvery
- (b) Tapti
- (c) Krishna
- (d) Ganga

Itemcode : **SY1074**

**Q23** The total number of members of UN Security Council is

:

- (a) 5
- (b) 10
- (c) 15
- (d) 20

Itemcode : **SY1075**

**Q24** What plaything was invented by Joe McVicker in 1956?

:

- (a) Silly Putty
- (b) Etch-A-Sketch
- (c) Lite-Brite
- (d) Play-Doh

Itemcode : **SY1076**

**Q25** Who invented Internal Combustion Engine?

:

- (a) Roger Bacon
- (b) Karl Benz
- (c) Alan M. Turing
- (d) Otto

Itemcode : **SY1001**

**Q26** Which of the following definitions is not correct?

:

- (a) A sample is a subset of the population that is use to represent the whole population
- (b) Strata are smaller groups of the population formed based on the size of the sample relative to the population
- (c) A stratified random sample is a population sample that requires the population to be divided into strata so that random samples can be taken from each stratum
- (d) A population consists of all members of a defined group that possess specific characteristics that you are interested in studying

Itemcode : **SY1002**

**Q27** Identify the correct sequence from the options given below ?

:

- (a) Development of research questions → Identification of a broad area → Identifying the gaps → literature review
- (b) literature review → Development of research questions → Identification of a broad area → Identifying the gaps
- (c) Identifying the gaps → Identification of a broad area → literature review → Development of research questions
- (d) Identification of a broad area → literature review → Identifying the gaps → Development of research questions

Itemcode : **SY1003**

**Q28** The medical council of India is testing the effectiveness of a particular drug for boosting memory in a sample population. In the first stage of the trial x-mg of the drug was administered, in the second stage y-mg, and in the third stage z-mg. Identify the dependent variable:

- (a) Memory performance
- (b) Drug
- (c) Memory and drug
- (d) Dosage

Itemcode : **SY1004**

**Q29** Which of the following will not ensure the quality of research?

:

- (a) Meaningful concepts
- (b) Broad concepts
- (c) Appropriate methods
- (d) Planning and implementation

Itemcode : **SY1005**

**Q30** A variable is defined as:

:

- (a) A variable is any item, factor, or condition that can be controlled or changed
- (b) A variable is any item, factor, or condition that is manipulated
- (c) A variable is any item, factor, or condition that is observed, or measured in the experiment
- (d) A variable is any item, factor, or condition that the researcher wants to keep unaltered

Itemcode : **SY1006**

**Q31** Which of the following statement is not correct?

:

- (a) In qualitative research participants are selected based on statistically determined process
- (b) Quantitative research is mostly used to explore rate, frequency, cause-effect relation, correlation, effect
- (c) Case studies, interviews, and biographies are part of qualitative research
- (d) Quantitative research is used in all branches of natural science

Itemcode : **SY1007**

**Q32** Random sampling is used to ensure that-

:

- (a) Only those persons available are included in the study
- (b) The research design is adequate for the specific study
- (c) The size of the sample is appropriate for the study
- (d) The sample is representative of the study population

Itemcode : **SY1008**

**Q33** You are interested in factors that predict loyalty to sports teams. Which of the following would be an example of a purposive sampling strategy?

:

- (a) Obtain a directory of season ticket holders of a professional sports team.
- (b) Ask friends for referrals of sports fanatics to your study.
- (c) Attend the next game of a winning professional sports team.
- (d) Put a notice in the local newspapers announcing the study.

Itemcode : **SY1009**

**Q34** Dr.Kakar was told to select his sample in a manner to assure there were at least 10 foreign language teachers, 10 health teachers, 15 art teachers, and 15 music teachers. Which non-random sampling technique should he use?

:

- (a) Quota
- (b) Convenience
- (c) Purposive
- (d) Stratified random

Itemcode : **SY1010**

**Q35** A 40-item vocabulary test was administered to a group of students. A second, similar test of vocabulary terms was administered to this same group of students approximately one week later. The researcher reported that the correlation between these two tests was  $r = 0.90$ . What type of reliability is represented in this example?

:

- (a) Test-retest
- (b) Internal consistency
- (c) Alternate forms
- (d) Split-half

Itemcode : **SY1011**

**Q36** Which is not correct about inventories ?

:

- (a) They are instruments that attempt to 'take stock' to one or more aspects of an individual's behaviour rather than to measure in the usual sense
- (b) They require subjects to perform at their maximum level
- (c) They list items relating to the factor being appraised and request subjects to indicate preferences or check items that describe their behaviour
- (d) The response obtained on the inventories are evaluated to obtain descriptions of certain fundamental predispositions of the subjects

Itemcode : **SY1012**

**Q37** Discrimination validity is known as

:

- (a) When test correlated from expected referents
- (b) When a test is able to differentiate in different expected criteria
- (c) When a test is not correlated with their expected referents
- (d) When there are many variances in these items

Itemcode : **SY1013**

**Q38** The ability of a postsynaptic neuron to respond to the presence of a particular neurotransmitter that is released from a neighbouring presynaptic neuron is dependent on which of the following conditions?

:

- (a) The storage of the neurotransmitter in the presynaptic neuron
- (b) The ability of the neurotransmitter to penetrate the membrane of the postsynaptic neuron
- (c) The presence of receptors on the postsynaptic neuron that have an affinity for that particular neurotransmitter
- (d) Whether or not the postsynapticneuron has an axon that is myelinated

Itemcode : **SY1014**

**Q39** Charles Scott Sherrington proposed that rapid stimulation of a specific synapse is likely to produce a cumulative effect in the postsynaptic cell because of

:

- (a) Spatial summation
- (b) Temporal summation
- (c) Neuromodulation
- (d) Spreading depression

Itemcode : **SY1015**

**Q40** Which of the following techniques of studying the brain involves the use of x-rays?  
:

- (a) Magnetic resonance imaging (MRI)
- (b) Computed tomography (CT)
- (c) Electroencephalography (EEG)
- (d) Immunohistochemistry

Itemcode : **SY1016**

**Q41** A security screener in an airport checks by hand everything that seems suspicious. It is critical that she never let any potentially dangerous item through her security checkpoint. In terms of signal detection theory, this screener is likely to make

- (a) A large number of misses and a small number of hits
- (b) A large number of hits and a large number of false alarms
- (c) A large number of misses and a large number of false alarms
- (d) A small number of hits and a small number of false alarms

Itemcode : **SY1017**

**Q42** Which of the following statements are not true ?  
:

- (a) The cones will respond to a much dimmer stimulus than will rods
- (b) The rods will respond to a much dimmer stimulus than will the cones
- (c) The image rods give less clear
- (d) The fovea contains only cones

Itemcode : **SY1018**

**Q43** Suppose I tell you that to calculate the mean of a distribution, you must always add the scores and divide the total by the number of scores. This is an example of ?

- (a) A subgoal analysis
- (b) A heuristic strategy
- (c) An algorithmic strategy
- (d) A means-end analysis

Itemcode : **SY1019**

**Q44** Mia's classmates enjoy being with her because she is always sociable, easy going, and lively. On Eysenck's basic personality dimensions, she would be classified as

- (a) Unstable introverted
- (b) Extroverted stable
- (c) Passive-aggressive
- (d) Cyclothymicdysthymic

Itemcode : **SY1020**

**Q45** We process information relevant to the self more efficiently than we process other types of information. This phenomenon is called the

- (a) Perseverance effect
- (b) Self-reference effect
- (c) Halo effect
- (d) Mood-congruence effect

Itemcode : **SY1021**

**Q46** Some researchers believe that people acquire a second language better if they learn it prior to adolescence, whereas other researchers believe that people can easily learn most aspects of a second language, even if they are beyond adolescence. However, based on the most frequently observed limitation in second language use, both groups would expect to observe less than native-like competence after adolescence in which of the following?

- (a) Syntax
- (b) Pronunciation
- (c) Fluency of speech production
- (d) Discourse comprehension

Itemcode : **SY1022**

**Q47** Which of the strategies in the list given below will be associated with direct teaching?

- a. Providing examples and explanation
  - b. Promoting inquiry
  - c. Focussing on concepts
  - d. Giving review and recapitulation
  - e. Oaring practice and feedback
  - f. Problem raising and problem-solving
- Choose the correct answer from the options given below:

- (a) a, d, and e
- (b) a, b, and c
- (c) b, c, and d
- (d) d,e, and f

Itemcode : **SY1023**

**Q48** The roots of Indian Psychological tradition involves -  
:

- (a) Rigorous observation, experimentation and reflection  
 (b) Through training under Guru  
 (c) Continuous contemplation and sharing of personal accounts of inner experiences  
 (d) All of these

Itemcode : **SY1024**

**Q49** Which of the following Indian Philosopher influenced William James and the concept of higher states of consciousness?  
 :

- (a) Gautama Budhha  
 (b) R. Radhakrishnan  
 (c) Swami Vivekananda  
 (d) Sri Aurobindo

Itemcode : **SY1025**

**Q50** Before taking an exam, Zia imagines that she will get the worst grade in the class, even though she usually performs very well. Imagining the worst seems to help her deal with the anxiety associated with the exam. What term best describes Zia's strategy?  
 :

- (a) Defensive pessimism  
 (b) Self-monitoring  
 (c) Self-fulfilling prophecy  
 (d) Lack of self-esteem

Itemcode : **SY1026**

**Q51** Ontology is the \_\_\_\_\_ study of the nature of existence or reality  
 :

- (a) Self  
 (b) Emotional  
 (c) Philosophical  
 (d) Positive

Itemcode : **SY1027**

**Q52** In Yoga \_\_\_\_\_ refers to the entire mind structure  
 :

- (a) Jiva  
 (b) Adhyatma  
 (c) Mann  
 (d) Chitta

Itemcode : **SY1028**

**Q53** Necker cube and Rubin's wave illusion is an example of which property of gestalt psychology  
 :

- (a) Emergence  
 (b) Invariance  
 (c) Multistability  
 (d) Reflection

Itemcode : **SY1029**

**Q54** Psychological literature review is conducted before conducting research in order to  
 :

- (a) develop a hypothesis  
 (b) avoid personal bias  
 (c) avoid expectancy bias  
 (d) avoid external influence

Itemcode : **SY1030**

**Q55** In \_\_\_\_\_ experimental design, multiple continuous dependent variables are taken into account sign  
 :

- (a) MANCOVA  
 (b) ANCOVA  
 (c) ANOVA  
 (d) MANOVA

Itemcode : **SY1031**

**Q56** \_\_\_\_\_ is a sampling method that specify the probability or inclusion of each element or individual in the sample  
 :

- (a) Non-Probability Sampling  
 (b) Probability Sampling  
 (c) Randomized Sampling  
 (d) Controlled Sampling

Itemcode : **SY1032**

**Q57** In ethnographic studies when the response and view point of the In-group are noted it is known as  
 :

- (a) Emic perspective  
 (b) Etic perspective

- (c) Ethos perspective  
(d) Triangulation

Itemcode : **SY1033**

**Q58** A measure of \_\_\_\_\_ indicates how far an individual score is deviated from the mean

- (a) Dispersion  
(b) central tendency  
(c) Mean tendency  
(d) Mode

Itemcode : **SY1034**

**Q59** If the sample size is too small it will cause a \_\_\_\_\_

- (a) Type I error  
(b) Type II error  
(c) Null error  
(d) Type III error

Itemcode : **SY1035**

**Q60** A correlation between weight and gender is an example of \_\_\_\_\_ correlation

- (a) Biserial  
(b) Point Biserial  
(c) Multiserial  
(d) Phi

Itemcode : **SY1036**

**Q61** The steepness of the ICC ( Item Characteristics curve) shows \_\_\_\_\_

- (a) item difficulty  
(b) item validity  
(c) Item discrimination power  
(d) item analysis

Itemcode : **SY1037**

**Q62** When a neuron membrane potential moves from -90 mV to -80 mV in response to a brief stimulation, it is called as \_\_\_\_\_

- (a) Repolarization  
(b) Resting Potential  
(c) Acting Potential  
(d) Hyperpolarization

Itemcode : **SY1038**

**Q63** Broca's area is involved in \_\_\_\_\_

- (a) Reflex Action  
(b) Motor Movement  
(c) Language Processing  
(d) Involuntary Function

Itemcode : **SY1039**

**Q64** \_\_\_\_\_ Hormone plays a role in regulating calcium levels in the blood and bone metabolism?

- (a) Thyroid  
(b) Para thyroid  
(c) Luteinizing  
(d) Antidiuretic

Itemcode : **SY1040**

**Q65** \_\_\_\_\_ is the tendency for the condition stimulus to bring out similar response after conditioning takes place

- (a) Acquisition  
(b) Stimulus Generalization  
(c) Instrumentation  
(d) Discrimination

Itemcode : **SY1041**

**Q66** The alternate name for Receiver operating Characteristic curve is \_\_\_\_\_

- (a) integral dimensions  
(b) standard normal curve  
(c) Bowed curve  
(d) Isosensitivity curve

**Itemcode : SY1042**

**Q67** The idea of mentally focusing on a particular stimulus is known as \_\_\_\_\_ attention  
:

- (a) Overt
- (b) Covert
- (c) Sustained
- (d) Perceptual

**Itemcode : SY1043**

**Q68** A binocular depth cue resulting from movement of the eye muscles is \_\_\_\_\_  
:

- (a) accommodation
- (b) retinal disparity
- (c) convergence
- (d) stereoscopic cue

**Itemcode : SY1044**

**Q69** Subliminal stimulation leads to \_\_\_\_\_  
:

- (a) Precise discrimination
- (b) Distortion of a conscious process
- (c) Fantasy
- (d) Dream

**Itemcode : SY1045**

**Q70** Recency effect in free recall decreases with increase in \_\_\_\_\_  
:

- (a) length of the list
- (b) exposure time
- (c) number of previously learned lists
- (d) delay prior to recall

**Itemcode : SY1046**

**Q71** \_\_\_\_\_ is the Mental representation of peoples, objects,situation or events acquired through experience  
:

- (a) Elaboration rehearsal
- (b) Reconstructive process
- (c) Retrieval Cues
- (d) Schema

**Itemcode : SY1047**

**Q72** 'The whole is greater than the sum of its parts 'is the defining principle of \_\_\_\_\_ psychology  
:

- (a) Humanistic
- (b) Cognitive
- (c) Behaviorist
- (d) Gestalt

**Itemcode : SY1048**

**Q73** Decay theory of memory loss seems to be most appropriate for \_\_\_\_\_  
:

- (a) Memory based on Visual Images
- (b) Long Term Memory
- (c) Short Term Memory and Sensory Memory
- (d) Muscular Memory

**Itemcode : SY1049**

**Q74** \_\_\_\_\_ strategy of problem solving is based on the rule of the thumb and can also be referred to as the mental shortcut.  
:

- (a) Brain Storming
- (b) Collective Intelligence
- (c) Heuristics
- (d) Algorithm

**Itemcode : SY1050**

**Q75** When memories appear to be available but not accessible is known as \_\_\_\_\_  
:

- (a) The tip-of- the-tongue phenomenon
- (b) Sensory memory failure
- (c) Engram decay
- (d) Interference