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- 1. The field of psychology is defined as the
  - scientific study of behavior and mental processes.
  - study of all mental activities.
  - c. methodological analysis of behavior.
  - d. observational record of behaviors.
- 2. Psychology is considered to be a science primarily because
  - a. it attempts to understand mental and behavioral processes.
  - b. it utilizes the scientific method to study mental and behavioral processes.
  - c. its intellectual roots are in philosophy.
  - d. its research findings are understood only by intelligent people.
- 3. In the experimental method, only the variable is manipulated, while the variable is observed by the experimenter.
  - a. independent; dependent
  - b. dependent; independent
  - c. quantitative; qualitative
  - d. qualitative; quantitative
- 4. To determine if male or female substitute 数件 teachers are regarded more favorably in a high school classroom, you design an experiment in which the same class of seniors is <u>exposed to</u> two substitutes on 致弱 succeeding days, one male and one female, and is then asked to rate each teacher on an evaluation scale. The independent variable would be the
  - a. gender of the teacher.
  - b. day the class met.
  - c. ratings on the evaluation scale.
  - d. fact that it's a senior class, not a junior class.
- 5. If, in an experiment, the manipulation of one variable is found to influence a second variable, we can say that second the first variable. variable is
  - a. a function of
  - b. a cause of
  - c. unrelated to
  - d. not correlated with
- 6. Sensation can be defined as the
  - a process of converting physical energy into neural energy.
  - b. detection of the external stimuli around us.
  - c. process of organizing external stimuli into meaningful concept.
  - d.mental process necessary to locate and identity an external stimulus.

- 7. The scientific methods used to discover relationships between the physical Hospital dimensions of stimuli and the psychological experience which results are referred to as
  - a. psychophysical methods.
  - b. perceptual methods.
  - c. psychophysiological method.
  - d. Weber's methods,
- 8. A researcher asks you to compare the temperature of water in two different containers to determine your 冷紫
  - a. absolute thresholds.
  - b. psychophysical function.
  - c. signal detection capacities.
  - d. difference threshold.
- 9. The j.n.d. is the largest for which of the following sensory systems?
  - a. smell
  - b. light brightness
  - c. tone loudness
  - d. The constant is the same for all sensory systems.
- 10. The psychological experience of a sensory event occurs in the
  - a. spinal cord.
  - b.receptors of the sense organ.
  - c. brain area which represents the sense.
  - d. sense organ itself.
- 11. If someone shines a bright light in your pg eyes, how do the photoreceptors tell 读业品 your brain that the intensity of the light has just increased?
  - a, the location of the neurons firing.
  - b.the rate of neural firing and the number of neurons firing.
  - c. the size of the neural impulse.
  - d.specific neural energies.
- 12. According to the idea of specific nerve energies
  - a. the neural pathways for the various senses originate in different <u>receptors</u>. 多纳芸 but terminate in the same place in the cerebral cortex.
  - b.neural messages for the various senses are all carried to the brain by way of the same set of neural fibers.
  - c. the neural pathways for various senses originate at different receptors and

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- terminate on different places in the brain.
- d.transduction of sensory experiences is accomplished differently by each set of receptor cells.
- 13. In the visual system, transduction takes place in the
  - a. ganglion cells.
  - b. optic nerve.
  - c. blind spot.
  - d.rods and cones.
- 14. Tansduction in the visual system involves
  - a, the movement of fluids.
  - b.the movement of hair cells.
  - c. chemical reactions.
  - d.mechanical movement the receptors.
- 15. Visual information is carried to the brain via the 未主
  - a. optic nerve.
  - b. retina.
  - c. photoreceptor cells.
  - d.cornea.
- 16. The process of light adaptation
  - a. occurs in the rod first, then the cones.
  - b.takes longer for the rods.
  - c. is complete in about one minutes.
  - d.increases in length as time in the dark increases.
- 17. A person who cannot discriminate at all among different wavelength of light is desired as
  - a. a monochromat
  - b.a dichromat
  - c. color anomalous
  - d.rod-deficient
- 18. The most recent theory of color vision involves
  - a. the opponent process theory only.
  - b.the trichromatic theory only.
  - c. both trichromatic and opponent process theories.
  - d.a third color theory which specifies that all color information is processed at higher cortical levels.
- 19. After sound waves pass through the auditory canal, they reach the

- a. eardrum.
- b.middle ear.
- c. tunnel of Corti.
- d.oval window.
- 20. Auditory hair cells are located
  - a. within the cochlea.
  - b. within the auditory nerve.
  - c. along the inner membrane of the eardrum.
  - d. within the semicircular canals.
- 21. We are able to localize sound primarily because of
  - a pitch differences between sounds at
  - b.intensity differences between sounds at each ear.
  - c. different ratea of vibration of the basilar membrane in each ear.
  - d.pure tone differences between sounds at each ear.
- 22. Place theory does not adequately explain our ability to detect
  - a. very low frequency sounds.
  - b. very high frequency sounds.
  - c. sounds of moderate frequencies.
  - d.small differences in frequencies.
- 23. If we electrically stimulate the neurons in your periaqueductal gray (PAG) area, you would
  - a. not perceive heat
  - b.have difficult hearing
  - c. have visual difficulties
  - d.not feel pain
- 24. Newborn humans show a preference for looking at faces. This illustrates that babies
  - a. recognize other humans.
  - b. immediately recognize their parents.
  - c. prefer curved lines, edges, and complexity.
  - d.prefer straight lines.
- 25. When Ethan discovers that a sheep is not A dog and creates a "sheep schema", he is demonstrating the process Piaget 是現 called
  - a. conversation.
  - b.operational thinking.
  - c. accommodation.

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	c. characterized by less REM sleep	a. Any of the opiates
	d. less susceptible to external stimuli	b. LSD
		c. Coçaine
37.	Which of the following statements about	d. PCP
	sleep is true?	
	a. The order and depth of sleep stages	43. Heavy cocaine usage may be 大小的
	varies greatly across individuals.	accompanied by
	b. The pattern of sleep cycles varies	a. <u>sedation</u> if the <u>dosages</u> are high 特定,科量
	with age.	enough.
	c. The sleeper gradually moves from	b. relatively few negative side-effects.
	wakefulness to deep sleep after the	c. hallucinations of bugs crawling under 史很合實情
	first two hours of sleep.	the skin.
	d. All of the above are true.	d. memory loss.
3.8	One of the main reasons people die in	44 For Poulous door collings on the second A
50.	their sleep is that they probably fail to	44. For Povlov's dogs, salivation to the meat
	terminate a period of	powder was the and salivation to
	a. REM	the light was the
	b. narcolepsy	a. UCS; CS
	c. insomnia	b. CS;UCS
	d. apnea	c. UCS; UCR
	u. apiica	d. UCR; CR
39.		45. When you <u>discontinue</u> the 分子上
	beach, and her psychoanalyst told her	unconditioned stimulus in classical
	that this symbolized her sense of	conditioning, what are you most likely
	insignificance. In this example the	to o <mark>b</mark> serve?
	beach was the dream's and	a. extinction
	insignificance is its	b. a gradient of generalization
	a. manifest content; latent content.	c. reinforcement
	b. latent content; manifest content.	d. trace conditioning
	c. manifest content; wish fulfillment.	
	d. covert symbolism; overt symbolism.	46. Little Tess learn to answer the front door when she hears the "ding-dong" sound.
40.	Hilgard discovered a double train of	At Grandma's house, the doorbell ring
	thought, called, operating in	"dong-dong" and Tess again runs to the
	some individuals under the influence of	door. Tess's behavior illustrates 漢字 )
	hypnosis.	a. extinction
	a. hypnotic suggestibility	b. generalization
	b. the hidden observer	c. discrimination
	c. the lucid dream state	d. second-order conditioning
	d. hypnotic duality	a social order conditioning
	- -	47. The cognitive perspective on classical
41.	Alcohol acts as a to the central	conditioning suggests that when the CS
	nervous system.	is repeatedly paired with the UCS, the 重複
	a. stimulant	learner
	b. depressant	a. realizes that his behavior controls the
	c. narcotic	appearance of the CS.
	d. hallucination	b. knows that the appearance of the CS
		causes the UCS to occur.
42.		c. is learning to feel obligated to
	pain-killers, endorphins, and can reduce	voluntarily display the CR to the CS.
	their level in the body with extended	d. is learning to expect the UCS when
	use.	the CS is presented.
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- 48. A cognitive psychologist might explain classical conditioning by saying that
  - a. the predictive relationship between CS and UCS is more important than temporal contiguity for learning. n 为 t t t 数 b. negative reinforcer.
  - b. it can be explained by the frequency of pairings of CR and UCR.
  - c. the learner comes to understand the consequences of their behavior and thus repeats it or not.
  - d. learning is a passive, mechanistic process in animals.
- 49. The fact that rats learn to avoid food has poisoned them presented with the taste of the food but not when presented with a noise that has been paired with the same food indicates that
  - a. taste <u>aversion</u> is not a naturally occurring behavior for rats.
  - b. behaviorists are correct in assuming that all behaviors are learning in the
  - c. equally strong stimuli can effectively substitute for each other in a classical conditioning situation.
  - d. some associations may be "built-in" or determined by an organism's genetic material.
- 50. When baby Jeffrey makes "goo-goo" noises, Mom and Dad appear over the edge of the crib. As a result, little Jeffrey increases his noise-making. This 256. Although there may be different types of illustrates
  - a. classical conditioning.
  - b. operant conditioning.
  - c. shaping.
  - d. selectivity of associations.
- 51. If you want to teach your dog Annabelle to ring the doorbell with her nose, you should
  - a. be very careful to reinforce only button-pushing responses.
  - Annabelle b. reinforce any anybody rings the doorbell.
  - c. probably use the shaping technique.
  - d. punish Annabelle any time she moves away from the door.

- 52. Richard's mother has praised him each 秀美 time he said the word "please". He now says "please" each time he makes a request. The praise has acted as a(n) a. unconditioned stimulus.

  - c. conditioned reinforcer.
  - d. discrimitive stimulus.
- 53. Punishment is the most useful in changing behavior if
  - provides a. it information about alternative behaviors. \$44
  - b. it is very severe.
  - c. it is used to increase behaviors, not decrease them.
  - d. there is a significant delay between the behavior and the punishment.
- 54. In \_\_\_\_\_, a non-event, or the failure of an event to occur, is the reinforcer
  - a. classical conditioning
  - b. operant conditioning
  - c. avoidance learning
  - d. escape learning
- 55. What is a cognitive map?
  - a. memorized lists of street names.
  - b. a mental representation of an area.
  - c. a suddenly available mental image of the solution to a problem.
  - d. a particular sequence of turns and distances to travel to reach a particular point in space.
- memory systems, each system utilizes 分骨 the three basic stages of
  - and XX consolidation, a. working store, long-term store.
  - and 多汗 b. acquisition, consolidation, forgetting.
  - c. storage, remembering, and forgetting.
  - d. encoding, storage, and retrieval.
- 57. In a discussion about memory, you are likely to hear the phrase "magical 53 number seven". To what does this phrase refer?
  - a. Items remain in working memory for about seven seconds.
  - b. Most adults can retain only about seven items in working memory.

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- - c. Only seven digits can be held in long-term memory without chunking.
  - d. Material may be encoded in seven different ways.
- 58. Why can a fast food cashier recall the \* 15 last few prices of an order just rung up but not the first few?
  - a. Items further down the list displace earlier items in working memory.
  - b. She paid closer attention to the last few items.
  - c. She used a linear search of working memory for the last items.
  - d. The later items were placed in long-term memory.
- 59. When we engage in problem solving, information from memory is transferred to for conscious processing.
  - a. working; long-term
  - b. long-term; working
  - c. semantic; episodic
  - d. episodic; semantic
- 60. Research on working memory suggests that it has what two functions?
  - a. It is a storage area for memory span and retrieval.
  - b. It serves as a workspace for mental computations and is a way-station to LTM.
  - c. It serves as an area for retrieval and storage of memories.
  - d. All of the above are true.
- 61. What is the preferred code for storing verbal material in long-term memory?
  - a. the sound of the material
  - b. the meaning of the material
  - c. the visual appearance of material
  - d. seven item chunks
- 62. Tests of recognition are usually easier than tests of recall because
  - a. recognition information needs to be stored only in working memory.
  - b. recalled information is less easily coded semantically.
  - c. a recognition test provides better retrieval cues.
  - d. recall requires imagery, but

recognition requires only semantic encoding.

63. Interference 77

- a. occurs in both working and long-term memories.
- b. slows retrieval time.
- c. cannot be accounted for by the spreading activation theory memory,
- d. All of the above are true.
- 64. If you visited the old neighborhood where you grew up, you might recall events and other memories from many years earlier. The cues to memory stimulation here are
  - a. state-dependent.
  - b. external context.
  - c. internal context.
  - d. eidetic imagery.
- 65. Which of the following is the best explanation for why you would be unable to remember the correct answers if you panic during an exam? 中主人.
  - a. Anxiety causes extraneous thoughts that interfere with retrieval.
  - b. You have repressed them because the test anxiety was unbearable.
  - c. The answers are actively blocked by the subconscious.
  - d. The capacity of your long-term memory has been reduced.
- 66. Compared with normal subjects, amnesiacs 武法定
  - a. do not improve their performance as quickly in perceptual or motor skills.
  - b. perform equally well on tests of explicit memory.
  - c. perform equally well on tests of implicit memory.
  - d. All of the above are true.
- 67. Motivational processes determine the:
  - a. direction of goal-directed behavior;
  - b. intensity of goal-directed behavior;
  - c. conscious experience of goal-directed behavior;
  - d. both a and b.

68.In the psychoanalytic view, the largest portion of the human mind is

- a. conscious
- b. preconscious
- c. unconscious
- d. ego
- 69. Gender identity is defined: 科学記录
- a) by the biological structures that distinguish males from females; FM
- b) as the degree to which one regards 美罗多 oneself as male or female:
- c) by the degree to which a person in sexually attracted to persons of the opposite and/ or some sex;
- d) as the influence of androgens upon 头东京 anatomy and brain cells. 34135
- 70. Hormonal changes that distinguish males and females psychologically and physically begin during:
  - a) the early postnatal period; (公生孩)
  - b) puberty; (韦急期)
- c) postpuberty; (卡炸期後)
- d) early adulthood.
- 71. Drive is to internal factors as incentive is to: a) internal factors; b) 裁領 external events; c) need states; d) sex and aggression.

72. The "common currency" for the 清信 路位 value of many different primary and 初级次次次次 secondary reinforcers appears to be translated in activity of the: a) **彩校**戏 hypothalamus; b) brain stem; c) mesolimbic dopamine system; d) cerebral cortex (in conscious process). 73. Food preferences are a function of: a) individual leaning processes; b) social

learning mechanisms; c) flavor of a particular food owing the evolutionary history of the species; d) all of the above.

74. The main "fuel" used by brain neurons is: a) ADH; b) renin; c) glucose; d) angiotensin.

75. Which of the following is true with respect to psychological factors in overeating? a) Obeses as well as normal-weight people eat more in high-anxiety situations. b) The eating behavior of restrained eaters is closer to that of obese people than to that of unrestrained eaters. c) All obese peple are overly sensitive to external hunger cues. d) All people with high externality regarding to hunger cues become obese.

以科目心理及教育统计学 系 别 心理学系 →考 試 時 間 2月 J 日 上 午第 ① 星期 六 下 午第 ①

苦回答問題時需要查表,請說明查表方式,(例如:用 $F_{1,48:.95}$ 表示:查F分配表, $u_{\,1}$ =1, $u_{\,2}$ =48,百分點為 $\,95$ )。

-、全校學生參加兩次考試,考試成績的平均數、變異數及相關摘要如下:

第一次考試 
$$\overline{X}_1 = 75$$
  $S_{X_1}^2 = 64$ 

第二次考試 
$$\overline{X}_2 = 60$$
  $S_{X_1}^2 = 100$   $r_{12} = .80$ 

$$(A)(\underline{10})$$
 設  $D=X_1-X_2$  (兩次考試的差異分數),請計算  $S_0^2$ 。

- (B)(10分)為了某種原因,將第二次考試成績進行線性轉換為 Y, $Y=50+0.5X_2$  請計算 Y的變異數  $(S_Y^2)$ 。
- $(C)(15 \ \beta)$  該校某生第一次考試成績的標準分數  $(Z_{x_i})$  為 1.50,請用區間估該該生的 Y成績,使該區間有 95%的機會包含該生的正確 Y成績。
- 二、(15分)研究者欲以丟6次銅幣的實驗,來考驗一個銅幣出現正面與反面的機率是不相同,並決定:當6次皆出現正面時,則判斷該骰子並非公平(單側考驗)。如果一個銅幣由於製造因素,實際出現正面的機率為0.9,請問採用上述檢查方式時,犯第二類錯誤(β)的機率為何?
- 、(15分)公平骰子六面出現的機會皆相同,研究者丟一個骰子 60次,所得點數的分配如下表:

次數 7 4 12 9 12 16 N=60

請問這個骰子是否為公平的骰子? $(\alpha = .05)$ 

八A、B兩個受試者間變項,形成四種實驗處理(2×2),40名受試隨機分派至各個實驗處理(n=10),受試者在各細格的平均數與標準差(括號內;不偏差估計值)摘要如下表:

1 - 1/2		
	$\boldsymbol{B}_{1}$	$\boldsymbol{B}_2$
$A_{I}$	10.0 (2.0)	6.0 (1.8)
	7.0	5.0
$A_2$	(2.1)	(1.9)

請計算 (A) (15 分)  $MS_w$ 。 (B) (10 分)  $SS_A$ 。 (C) (10 分)  $SS_{AXB}$ 。