



کد محصول
ES1643



آخرین بروزرسانی
۱۴۰۴/۰۴/۱۶

سوالات آزمون

کارشناس رسمی دادگستری لوازم خانگی و اداری

✓ مطابق با منابع اعلام شده در آزمون ۱۴۰۴

✓ نسخه رایگان شامل ۱۰۰ سوال (تعداد کمتر و تنها برخی دارای پاسخ)

✓ برای تهیه نسخه اصلی، با ۵۱۵ سوال به همراه پاسخنامه، به سایت ایران عرضه مراجعه نمایید.



لینک های مفید آزمون کارشناس رسمی دادگستری لوازم خانگی و اداری

سوالات رایگان کارشناس رسمی دادگستری با پاسخنامه	خرید این محصول
منابع آزمون	خرید سوالات کارشناس رسمی دادگستری
اخبار آزمون	فایل اطلاعات آزمون
	شبکه های اجتماعی ایران عرضه (فایل های رایگان + تخفیفات هفتگی + اخبار)
(برای مشاهده هر بخش روی آن بزنید )	
<p>آخرین بروزرسانی های محصول:</p> <p>۱۴۰۴/۰۹/۱۶ تالیف مجدد محصول</p>	

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در هر بخش، تنها ۲ سوال ابتدایی دارای پاسخنامه تشریحی می باشد. در صورت تمایل به دریافت سوالات بیشتر با جواب می توانید این محصول را از سایت ایران عرضه خریداری نمایید.

خرید محصول

❖ فصل اول: سوالات ریاضی عمومی

۱- در جدول زیر بجای علامت سوال کدام گزینه را می توان قرار داد؟ (متعلق به سایت ایران عرضه)

۱	۲۱	۲
۲	۵۲	۳
۳	۶۳	۴

۳ (۱)

۲ (۲)

۴ (۳)

۱ (۴)

❑ پاسخ سایت ایران عرضه: گزینه ۱ ← اگر به اعداد ستون وسط در جدول توجه کنیم متوجه می شویم که رقم دهگان از حاصل جمع اعداد موجود در ستون های کناری بدست آمده است. به طور مثال داریم:

$$31 = 1 + 2$$

$$52 = 2 + 3$$

$$63 = 3 + 3$$

۲- ۱۱۴۰ ثانیه دیگر ساعت ۵ و ۳۰ دقیقه خواهد شد. الآن ساعت چند است؟

(۱) چهار و یازده دقیقه

(۲) پنج و چهل و نه دقیقه

(۳) پنج و یازده

(۴) چهار و پنجاه و یک دقیقه

❑ پاسخ سایت ایران عرضه: گزینه ۳ ← ابتدا باید ۱۱۴۰ ثانیه را به دقیقه تبدیل کنیم. می دانیم که هر دقیقه ۶۰ ثانیه است

پس:

$$1140 \div 60 = 19 \text{ دقیقه}$$

حال کافی است از ساعت ۵ و ۳۰ دقیقه، ۱۹ دقیقه به عقب بازگردیم که می شود ساعت ۵ و ۱۱ دقیقه

۳- سعید بلندتر از مسعود و کوتاه تر از حمید است، حامد کوتاه تر از سعید اما بلندتر از مسعود است. قد کدام یک بلندتر

از همه است؟

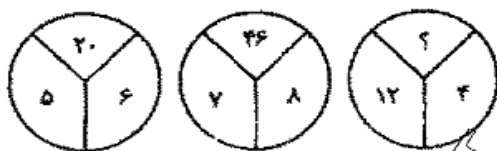
(۱) حمید

(۲) سعید

(۳) حامد

(۴) مسعود

۴- با توجه به شکلهای مقابل مقدار؟ را بیابید:



۱۶ (۱)

۱۸ (۲)

۳۸ (۳)

۵۸ (۴)

۵- در دنباله حروف زیر حرف مجهول چه حرفی است؟ «ژ، ص، ر، ط، د، ع،؟»

(۱) ج (۲) چ (۳) ح (۴) خ

۶- اگر تعداد زیر مجموعه های مجموعه M از تعداد زیر مجموعه های $A = \{1, 2, 3\}$ باشد. M چند عضو دارد؟

(۱) ۳ (۲) ۴ (۳) ۵ (۴) ۶

۷- تعداد اعضای کدام مجموعه، بیشتر است؟

(۱) $\{x \in N \mid \frac{x}{x^2+1} = 1\}$ (۲) $\{x \in N \mid \frac{2x}{x^2-3} = 1\}$

(۳) $\{x \in N \mid \frac{2x}{x^2+3} = -1\}$ (۴) $\{x \in N \mid \frac{x}{x^2-3} = 1\}$

۸- اگر تمامی داده های آماری را دو برابر کنیم مد و میانه حاصل چگونه اند؟

(۱) مد ثابت و میانه دو برابر می شود. (۲) مد و میانه هر دو دو برابر می شوند.

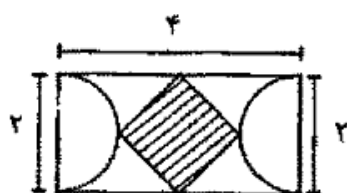
(۳) مد دو برابر و میانه ثابت می ماند. (۴) مد دو برابر و میانه نصف می شود.

۹- داده های ۱۱ و ۱۶ و ۱۸ و ۱۸ و ۱۰ و ۱۴ و ۷/۵ و ۴ و ۳ و ۱۳/۵ و ۹ در نمودار جعبه ای نمایش داده می شود. طول دامنه

میان چارکی کدام است؟

(۱) ۸/۵ (۲) ۹/۵ (۳) ۱۲ (۴) ۱۵

۱۰- با توجه به شکل مقابل مساحت چهار ضلعی وسطی چند است؟



(۱) ۱

(۲) ۲

(۳) $\sqrt{3}$

(۴) ۴

۱۱- اگر A و B دو مجموعه ناتهی باشند، مجموعه $A - (A \cap B)$ کدام است؟ (تهیه شده توسط ایران عرضه)

(۱) $A \cap B$ (۲) $A \cap B'$ (۳) $B \cap A'$ (۴) $(A \cup B)'$

۱۲- اگر تابع $f(x) = \sqrt{2x} - 1$ و $g(x) = x^2 + 1$ باشد، مقدار (gof) به مقدار $x=2$ کدام است؟

(۱) ۱ (۲) ۲ (۳) ۳ (۴) ۴

۱۳- مجموع ده جمله اول تصاعد هندسی $\{3, 6, 12, \dots\}$ کدام است؟

۹۶۳۰ (۴)

۶۹۳۰ (۳)

۳۰۶۹ (۲)

۳۰۹۶ (۱)

۱۴- جواب های معادله $\begin{cases} 5x + 2y = 19 \\ 4x + 3y = 18 \end{cases}$ کدام است؟

$x = 2, y = 3$ (۲)

$x = -3, y = 2$ (۱)

$x = 3, y = 2$ (۴)

$x = -3, y = -2$ (۳)

۱۵- جواب های معادله درجه دوم $x^2 - 5x + 6 = 0$ کدامند؟

$x_1 = 3, x_2 = 2$ (۲)

$x_1 = 1, x_2 = 2$ (۱)

$x_1 = 3, x_2 = 4$ (۴)

$x_1 = 2, x_2 = 4$ (۳)

۱۶- اگر به مجموعه A چهار عضو اضافه کنیم، تعداد زیر مجموعه آن چند برابر می شود؟

۳۲ (۴)

۱۶ (۳)

۸ (۲)

۴ (۱)

۱۷- در صورتی که متغیر پیوسته و یا تعداد مشاهدات زیاد باشد، استفاده از کدام نمودار بهتر است؟

(۴) دایره ای

(۳) میله ای

(۲) ستونی

(۱) هیستوگرام

۱۸- اگر دو مجموعه A و B نامتناهی و مجموعه C متناهی باشد، کدام یک از مجموعه های زیر، قطعاً نامتناهی است؟

$(A - B) \cup C$ (۴)

$C - (A \cup B)$ (۳)

$C - (A \cap B)$ (۲)

$U - (B - A)$ (۱)

۱۹- میانگین ۳۰ داده آماری برابر ۱۵ و انحراف معیار آنها برابر ۱/۵ است، درصد ضریب تغییرات آنها چقدر است؟

۱۰ (۴)

۱۲ (۳)

۱۵ (۲)

۲۰ (۱)

۲۰- به چند طریق می توان از اعداد صفر تا ۹ شماره تلفن ۸ رقمی ساخت؟ (ایران عرضه)

9×10^{10} (۴)

9×10^7 (۳)

10×9^9 (۲)

10^8 (۱)

۲۱- میانگین و میانه یک جامعه به ترتیب ۴۰ و ۵۰ است. در صورتی که جامعه از چولگی معقولی برخوردار باشد مد آن تقریباً

چند خواهد بود؟

۷۰ (۴)

۵۰ (۳)

۴۵ (۲)

۱۰ (۱)



۲۲- اگر $F = \{(1,3)(3,-4)(0,-1)(5,6)\}$ و $g = \{(1,-1)(5,0)(-3,-2)\}$ باشد، مقدار $fog(5)$ کدام است؟

-۱ (۴)

-۴ (۳)

۲ (۲)

۶ (۱)

۲۳- حاصل عبارت $\log_{316} 6\sqrt[3]{6}$ کدام است؟

$\frac{1}{3}$ (۴)

$\frac{2}{3}$ (۳)

$\frac{2}{9}$ (۲)

$\frac{4}{9}$ (۱)

۲۴- اگر عرض رأس سهمی $y = x^2 - 2x - 3a$ برابر ۱۶ باشد، سهمی، محور x ها را در کدام نقاط قطع می کند؟

۳، -۵ (۴)

۵، -۳ (۳)

-۲، ۳ (۲)

-۳، ۲ (۱)

۲۵- حاصل $\lim_{n \rightarrow 0^-} |x^2| + |x^3|$ ، کدام است؟

۲ (۱) ۲ (۲) صفر ۱ (۳) -۱ ۲ (۴) -۲

۲۶- اگر تابع $f(x) = \begin{cases} (x+3)|x| & x < 1 \\ ax+2 & x \geq 1 \end{cases}$ پیوسته باشد، مقدار a کدام است؟

۵ (۱) ۴ (۲) ۳ (۳) ۲ (۴)

۲۷- حاصل انتگرال $\int_0^2 (2x-1)(3x)dx$ کدام است؟

۵ (۱) ۶ (۲) ۹ (۳) ۱۰ (۴)

۲۸- به ارزش ها و اندازه های مربوط به نمونه آماری چه می گویند؟

۱ (آماره) ۲ (متغیر) ۳ (پارامتر) ۴ (داده)

۲۹- اگر واریانس داده های آماری $a, b+1, c-1, d-4$ برابر با صفر باشد، میانگین a, b, c, d کدام است

۱۲ (۱) ۱۱ (۲) ۱۰ (۳) ۹ (۴)

۳۰- یک اداره داری ۵ سواری و ۴ وانت بار می باشد. به چند طریق می توان ۳ ماشین انتخاب کرد تا برای مأموریت به سه

شهرستان مختلف اعزام شوند، به طوری که حداقل ۲ سواری بین ماشین های اعزامی باشد؟

۱۴۰ (۱) ۱۲۰ (۲) ۸۰ (۳) ۵۰ (۴)

۳۱- در یک بزرگراه، سه خودروی پژو، پراید و اتوبوس تصادف کرده اند. احتمال این که خودروی پژو بیمه بدنه نداشته باشد،

برابر $\frac{3}{5}$ و احتمال این که هر کدام از دو خودروی دیگر بیمه نداشته باشند، برابر با $\frac{2}{5}$ است. احتمال این که حداقل دو

خودروی سواری، بیمه بدنه نداشته باشند، کدام است؟

۰/۰۱۲ (۱) ۰/۰۴۸ (۲) ۰/۰۶ (۳) ۰/۰۹۶ (۴)

۳۲- ده درصد از مراجعه کنندگان به یک بیمارستان در یک روز خاص، دارای بیمه تکمیلی می باشند. احتمال این که در این روز

خاص، پنجمین بیماری که در این بیمارستان درمان می شود اولین بیماری باشد که بیمه تکمیلی دارد، کدام است؟

$\frac{9^4}{10^5}$ (۱) $\frac{4^9}{5^{10}}$ (۲) $\frac{5^9}{4^{10}}$ (۳) $\frac{9^5}{10^4}$ (۴)

۳۳- یک زوج بعد از ده سال زندگی مشترک، برای آزمایش هپاتیت به آزمایشگاه مراجعه می کنند. احتمال مثبت بودن آزمایش

مرد و زن، به ترتیب برابر $\frac{8}{10}$ و $\frac{5}{10}$ است. اگر نتیجه آزمایش زن یا مرد حتماً مثبت باشد، در این صورت، احتمال این که هر

دو نفر، نتیجه آزمایش های شان مثبت باشد، کدام است؟ (iranarze.ir)

۰/۴۵ (۱) ۰/۲۵ (۲) ۰/۴ (۳) ۰/۳ (۴)

۳۴- حاصل $(\sqrt{2}-1)^{-2} \times (\sqrt{2}+1)^2$ ، کدام است؟

$(3-2\sqrt{2})^2$ (۱) $(3+\sqrt{2})^{-2}$ (۲)

$(17-12\sqrt{2})^{-1}$ (۳) $(17+6\sqrt{2})$ (۴)

۳۵- چند عدد شش رقمی با ارقام $\{۵, ۴, ۳, ۲, ۱, ۰\}$ می توان ساخت، به طوری که فقط صفر یک در میان و تکراری ظاهر

شود؟

۱۲۰ (۱) ۹۰ (۲) ۶۰ (۳) ۳۰ (۴)

۳۶- عبارت $x^3 + 11x^2 - 3x + a$ بر $x+1$ بخش پذیر است. مقدار a کدام است؟

۱۵ (۱) ۹ (۲) -۷ (۳) -۱۳ (۴)

۳۷- چند جمله ای $f(x) = x^4 + a x^3 + 3x^2 + x + 1$ بر $x+1$ بخش پذیر است. بزرگترین ریشه معادله $f(x)=0$ کدام است؟

(۱) $\sqrt{3}$ (۲) $-1 + \sqrt{3}$ (۳) $\sqrt{7}$ (۴) $\sqrt{7} - 1$

۳۸- اگر $f = \{(1, -2), (-1, 6), (4, 11), (7, 7)\}$ و $g = \{(0, 2), (5, -2), (-3, 8)\}$ باشد، برد تابع $f(\frac{1}{2}g(x))$ کدام است؟

(۱) $\{-2, 6, 11\}$ (۲) $\{-2, 7, 11\}$ (۳) $\{4, 1, -1\}$ (۴) $\{-1, 3, 4\}$

۳۹- مجموعه جواب نامعادله $(3x-2) \leq 0$ ، شامل چند عدد طبیعی است؟

(۱) ۱ (۲) ۲ (۳) ۳ (۴) عضو طبیعی ندارد.

۴۰- اگر $a, \sqrt{3}a, a+2$ سه جمله اول یک دنباله هندسی باشند، حاصل $a^9 - a^7$ کدام است؟

(۱) ۱۸ (۲) ۲۷ (۳) ۵۴ (۴) ۶۳

۴۱- چند تصاعد حسابی با قدر نسبت طبیعی بزرگ تر از واحد می توان ساخت به طوری که سه جمله ی این تصاعد یکی از

اعداد ۱، ۲، و ۸ باشد؟ (جمله نخست طبیعی است.) (iranarze)

(۱) ۵ (۲) ۶ (۳) ۷ (۴) ۸

۴۲- به ازای کدام مقدار m ، یکی از ریشه های معادله $3x^2 - 6x + m = 0$ دو برابر ریشهء دیگری است؟

(۱) $\frac{27}{2}$ (۲) $\frac{8}{3}$ (۳) ۶ (۴) ۹

۴۳- کمترین مقدار عبارت $(1 - \sqrt{3}x)^2 - x^2$ ، کدام است؟

(۱) $\frac{3}{2}$ (۲) $\frac{5}{2}$ (۳) $\frac{-3}{4}$ (۴) $\frac{-7}{4}$

۴۴- خط d دو خط عمود $5x-7y=-4$ و $mx + ny=1$ را در نقاط $(-1,1)$ و $(2,2)$ قطع می کند. مقدار n کدام است؟

(۱) $-\frac{5}{2}$ (۲) $\frac{5}{24}$ (۳) $-\frac{1}{3}$ (۴) $\frac{1}{36}$

۴۵- دو خط $3x-2y=5$ و $ax+by=1$ روی خط $x = -1$ همدیگر را قطع کرده اند. اگر خط d ، این دو خط متقاطع را در نقاط $(2,4)$

و $(1,-1)$ قطع کند، حاصل $\frac{a}{b}$ کدام است؟

(۱) $\frac{17}{6}$ (۲) $\frac{1}{3}$ (۳) $\frac{-7}{2}$ (۴) $\frac{-8}{3}$

۴۶- اگر $A^{-1} = \begin{bmatrix} a & 0 \\ b & c \end{bmatrix}$ معکوس ماتریس $A = \begin{bmatrix} 1 & 0 \\ x & -1 \end{bmatrix}$ به ازای جميع مقادیر x باشد، حاصل $b + c$ کدام است؟

(۱) $x-1$ (۲) $x+1$ (۳) $1)x$ (۴) $-x-1$

۴۷- اگر $\begin{bmatrix} a \\ b \end{bmatrix} = \begin{bmatrix} 1 & 1 \\ 0 & -1 \end{bmatrix} \begin{bmatrix} 2 & 1 & 1 \\ 0 & 1 & -1 \end{bmatrix} \begin{bmatrix} 1 \\ 2 \\ 3 \end{bmatrix}$ باشد، حاصل $a-b$ کدام است؟

(۱) ۵ (۲) ۲ (۳) ۱ (۴) ۳

۴۸- ساده شده ی عبارت $(12^{-2}) + (32^3)(0.75^5)$ کدام است؟

- (۱) ۱۸ (۲) ۲۷ (۳) ۳۶ (۴) ۵۴

۴۹- با حروف کلمه " آموزش " چند کلمه پنج حرفی می توان ساخت به طوری که حرف "و" حرف وسط کلمه باشد؟

- (۱) ۱۲۰ (۲) ۹۶ (۳) ۵۴ (۴) ۲۴

۵۰- کدام دنباله فیبوناچی می باشد؟

- (۱) ۱، ۳، ۶، ۱۰، ۱۵، ... (۲) ۱، ۴، ۹، ۱۶، ۲۵، ...

- (۳) ۱، ۱، ۲، ۳، ۵، ۸، ... (۴) ۱، ۳، ۷، ۱۳، ۲۱، ...



❖ فصل دوم: سوالات زبان انگلیسی عمومی

1- jeremy put in extra hours this afternoon to for his late arrival to work this morning.

- 1) collaborate 2) alleviate 3) accelerate 4) compensate

❑ پاسخ سایت ایران عرضه: گزینه ۴ ⇐ عبارت compensate for به معنی جبران کردن میباشد.

جرمی با توجه به دیر رسیدنش به سرکار در صبح امروز؛ ساعت بیشتری از بعد از ظهر را برای جبران کردن آن می ماند.

2-i would not have been able to..... my academic goals without that support and guidance of my professors. {iranarze.ir}

- 1) attain 2) assist 3) assign 4) annex

❑ پاسخ سایت ایران عرضه: گزینه ۱ ⇐ کلمه attain به معنی "رسیدن؛ دست یافتن و نایل شدن" می باشد

معنی جمله: من بدون کمک و راهنمایی اساتیدم قادر نبودم به اهداف تحصیلی ام دست پیدا کنم .

3- since tom never wears shoes, it wasthat he would get a piece of glass in his foot.

- 1) fashionable 2) profitable 3) capable 4) inevitable

4- as a result of, an item that used to cost eighty cents now cost on dollar and fifty cents.

- 1) instruction 2) inhibition 3) inflation 4) inspection

part b: reading comprehension

directions: read the following passage and select the choice (1), (2), (3) or (4) that best answers each question. then mark the correct choice on your answer sheet.

karl friedrich benz was a mechanical engineer who designed and built the world`s first practical automobile to be powered by an internal-combustion engine.in 1883 he founded benz & co. in mannheim to build stationary internal-combustion engines, but he was completely dedicated to the proposition that the internal-combustion engine would supersede the horse and revolutionize the world`s transportation. he persisted in his effort to build a gasoline fueled vehicle in the face of many obstacles, including lack of money to the point of poverty and the bitter objections of his associates, who considered him in competent.

benz ran his first car, a three-wheeler powered by a two-cycle, one-cylinder engine, on a happy and triumphant day early in 1885. he circled a cinder track beside his small factory, his workmen running beside the car, his wife running too, clapping her hands; the little machine made four circuits of the track, stalling only twice before a broken chain stopped it. even max rose, benz`s skeptical partner, whose money

had made the car possible, conceded that he was mildly impressed; but he remained convinced to the end of his association with benz that there was no future in the horseless carriage. the original benz three-wheeled vehicle, the motor wagen, is now preserved in munich. although it first ran early in 1885, its design was not patented until jan. 29, 1886.

5- what is the passage mainly about?

- 1) karl benz`s effort to make the first automobile.
- 2) karl benz`s personal life
- 3) karl benz`s talent in engineering
- 4) karl benz`s factory in mannheim.

6- what does the word "supersede" in paragraph 1 mean?

- 1) rival
- 2) improve
- 3) replace
- 4) defeat

7- which of the following statement about karl benz can be inferred from the passage?

- 1) no one ever objected to him
- 2) he had no financial difficulty.
- 3) his partners believed in him.
- 4) he was approved by his wife.

8- which of the following is not true about benz`s motorwagen?

- 1) it was patented about a year after it first ran.
- 2) it was bought by max rose.
- 3) it first ran near his factory
- 4) it had a one-cylinder engine.

part a': grammar & vocabulary

directions: choose the word or phrase (1), (2), (3) or (4) that best completes each sentence.

then mark the correct choice on your answer sheet.

9-..... that only specialists can fathom its complexities

- 1) very difficult science has become
- 2) too difficult science has become
- 3) so difficult has science become
- 4) such a difficult has science become

10- geothermal energy---and in particular, the price of it--- does not depend on the world`s economic and political situation as fossil fuels do.

- 1) strongly as
- 2) stronger than
- 3) strong as
- 4) strongly than

11- one of the features of the zika virus posing difficulties for its diagnostics is that only one out of four..... by an infection-transmitting mosquito develops any symptoms.

- | | |
|----------------------|------------------------|
| 1) people who bitten | 2) people bitten |
| 3) people are bitten | 4) whose people bitten |

12- the most common data official statistics, which are collected as part of the operation of criminal justice agencies. (i r a n a r z e)

- 1) to be used in criminological research that are
- 2) which are used in criminological research that
- 3) used in criminological research ar
- 4) are used in criminological research that

13- the ending of the movie was totally..... i guess we have to decide for ourselves what really happened

- | | | | |
|---------------|---------------|--------------|--------------|
| 1) miraculous | 2) prosperous | 3) hazardous | 4) ambiguous |
|---------------|---------------|--------------|--------------|

14- emma endured a great deal of when her peers made fun of her in the office.

- | | | | |
|------------------|----------------|----------------|----------------|
| 1) contamination | 2) humiliation | 3) acquisition | 4) stimulation |
|------------------|----------------|----------------|----------------|

15- when studying at school, it is essential to between what information is important and what information is not.

- | | | | |
|--------------|--------------|---------------|-----------------|
| 1) cooperate | 2) terminate | 3) accumulate | 4) discriminate |
|--------------|--------------|---------------|-----------------|

16- the media is going to the killer as a victim of society's avoidance of mental health issues.

- | | | | |
|------------|---------------|------------|-------------|
| 1) portray | 2) assimilate | 3) broaden | 4) disperse |
|------------|---------------|------------|-------------|

part b: reading comprehension

directions: read the following passage and select the choice (1), (2), (3) or (4) that best answers each question. then mark the correct choice on your answer sheet.

regular exercise may offer some protection against alzheimer`s disease, even for people who are genetically at risk, according to recent research, in the study published in the journal of alzheimer`s disease, people who did more moderate-intensity physical activity were more likely to have healthy patterns of glucose metabolism in their brains – a sign of healthy brain activity – than those who did less. light –intensity physical activity. on the other hand, was not associated with similar benefits.

the study involved 93 adults with an average age of 64, all of whom had at least one parent with alzheimer`s disease, at least one gene variation linked to alzheimer`s disease, or both. this put them at high risk for developing the disease themselves, although none showed any cognitive important at the time of the study.

to illuminate the relationship between brain activity and exercise levels, everyone wore an accelerometer for a week to measure their daily physical activity and received pet scans to measure glucose metabolism, which reveals neuron health and activity, in several regions of the brain. for people with alzheimer`s disease, these regions tend to have depressed glucose metabolism.

researchers found that people who spent at least 68 minutes a day engaged in physical activity at a moderate level – the equivalent of a brisk walk – had better glucose metabolism in all of those regions than those who spent less time doing so. the amount of time spent being sedentary or doing less-intense physical activity (like slow walking) were not associated with changes in any of the brain regions studied.

17- what is the passage mainly about?

- 1) light-intensity versus moderate-intensity physical activity.
- 2) relationship between regular exercise and alzheimer`s disease.
- 3) glucose metabolism in human brain.
- 4) people vulnerable to alzheimer`s disease.

18- all of the following are true about the people who participate in this study except they.....

- 1) all showed symptoms of cognitive impairment.
- 2) had at least one gene variation associated with alzheimer`s disease.
- 3) all had an at least one parent with alzheimer`s disease.
- 4) had an average age of 64.

19- which of the following statements is true?

- 1) people who walk briskly are more likely to suffer alzheimer`s disease than those who do not.
- 2) people who are genetically at risk of alzheimer`s disease should spend 68 minutes a day doing physical activity.
- 3) people suffering from alzheimer`s disease have diminished glucose metabolism.
- 4) people suffering from alzheimer`s disease should always wear an accelerometer.

20- which of the following is closest in meaning to the word "sedentary" in paragraph 4?

- 1) exhausted 2) depressed 3) sick 4) inactive

part a: grammar & vocabulary

directions: choose the word or phrase (1), (2), (3) or (4) that best completes each sentence.

then mark the correct choice on your answer sheet.

21- the human psyche a powerful and at the same time delicate tool of perception and cognition.

- 1) which is 2) is 3) that it is 4) it is

22- repression is probably psychological defense mechanism, underlying all the others.

- 1) most of all widespread 2) most of the widespread of
3) the most widespread 4) the most widespread of

23-..... the phrase "mass extinction" definitely sounds alarming, it is not something uncommon for our planet. [iranarze]

- 1) although 2) despite 3) in addition to 4) however

24- photographers in the nineteenth century were anxious to find a way movement, almost from the moment they discovered the art of photography.

- 1) to be captured 2) to capturing
3) being captured 4) to capture

25- because there have been threats made against the prince, a team of bodyguards him wherever he goes.

- 1) accompany 2) endorse 3) promote 4) release

26- nothing is more to a mother than her children, and she will always choose to protect them over anything else

- 1) ridiculous 2) precious 3) suspicious 4) prosperous

27- the of the digital camera has completely changed the nature of popular photography.

- 1) emergence 2) residence 3) persistence 4) coincidence

28- doctors frequently of their patients eating unhealthily and exercising infrequently since it can lead to medical problems

- 1) boast 2) conceive 3) disapprove 4) accuse

part b: reading comprehension

directions: read the following passage and select the choice (1), (2), (3) or (4) that best answers each question. then mark the correct choice on your answer sheet.

mechanical engineer gottlieb wilhelm daimler became a major figure in the early history of the automotive industry. making guns was his first vocation, and he showed marked talent, but he abandoned the trade to go to engineering school, studying in germany, england, and france. in germany he worked for various engineering and machining concerns, including the firm that much earlier had employed karl benz. in 1872 daimler became technical director in the firm of nikolaus a. otto, the man who stationary gasoline engines. during the next decade, important work was done on the four-stroke engine.

daimler brought in several brilliant researchers, among them wilhelm maybach, but in 1882 both daimler and maybach resigned because of daimler's conviction that otto did not understand the potential of the internal-combustion engine. they set up a shop and built an air-cooled, one-cylinder engine in 1885. the first high-speed internal-combustion engine, it was designed to run at 900 revolutions per minute (rpm). for comparison, benz's first tricycle engine had operated at only 250 rpm. daimler and maybach used one of their early gasoline engine on a wooden bicycle fitted with an outrigger, which first ran on nov. 10, 1885. this may have been the first motorcycle in the world. the next year the first daimler four-wheeled road vehicle was made a horse drawn carriage modified to be driven by a one-cylinder engine.

29- what is the passage mainly about?

- 1) gottlieb daimler's competition with karl benz.
2) gottlieb daimler's effort in the automotive industry.
3) history of the automotive industry.
4) the automotive industry in the 19th century.

30- what was invented on nov. 10, 1885?

- 1) the first tricycle engine 2) the first motorcycle
3) a four-wheeled road vehicle 4) a wooden bicycle

PART B: Reading Comprehension

Directions: for question 55 to 60, read the following passage and select the number of the answer choice (1), (2), (3) or (4) that best answers each question. Then mark your answer your answer sheet.

Indeed, when asked what they liked best about their workplace, employees at top-rated companies were about twice as likely to say they felt "genuinely appreciated" at their job and confident in the direction of the company as they were to talk about pay and benefits, they earn for working there.

That's no surprise, said PeteFoley, head of the Employee research Group at human resources consulting firm mercer. It's not that pay checks don't matter. Obviously, they do. But when it comes to creating enthusiastic, engaged employees, money alone cant buy you love.

"Pay and benefits have got to be at a minimum level, and then you're on to other things", Foley said. "You want to know you can develop, have a sense of accomplishment, feel like you're making a difference".

Many of the companies that took part in post-dispatch survey are relativelycollar. But the same concerns about development and dignity are seen across the ruum of business. When local fast-food workers launched a one-day strike last day, their complaints were as much about working condition and treatment by visors as they were about higher wages.

That is not surprising. Foley said. Surveys have long shown that the way people are treatedat work means at least as much as their compensation. Often more

31- The passage suggests that people who work for a company

- 1) begin to care about working conditions when they have no financial concerns
- 2) are more likely to go on strike when they do not have the right to behave at their workplace the way they want to
- 3) sometimes get more satisfaction from the feeling that they are valued than from the money they receive as their salary.
- 4) expect their supervisors to conduct surveys from time to time to find out much the employees like their responsibilities.

32-The word " do" in paragraph 2 refers to

- | | | | |
|--------|------------|---------|-----------|
| 1) pay | 2) consult | 3) work | 4) matter |
|--------|------------|---------|-----------|

33- According to the passage, PeteFoley (prepared by iranarze.ir)

- 1)directs a group of researchers

- 2) criticizes employees who do not consult with others at their workplace
- 3) believes employees will never complain if their pay and benefits are below a minimum level
- 4) was once a sad employee who became happy after the result of a survey were implemented at his workplace.

34- The author mentions fast-food workers in paragraph 4 primarily in order to

- 1) demonstrate their concern about their living conditions.
- 2) generalize the main point of the passage to workers other white-collar employees.
- 3) emphasize the adoption of strategies intended to prevent any unrest in business companies.
- 4) illustrate a case in which the findings of the post-dispatch survey cannot be used to analyze the employer-employee relationship.

35- Which of the following is most related to the word " compensation" in the last line of the passage?

- 1) proper treatment 2) sympathy 3) development 4) tangible reward

36- among charity organizations existing currently,takes its mission so seriously that it sees itself as a military unit on duty.

- 1) that one there is 2) it is one that it
- 3) there is one that 4) that there is one it

37- positive thinking can be helpful, but whenby a realistic assessment of a person's situation, it can also be harmful.

- 1) it has not balanced 2) not balanced
- 3) it did not balanced 4) not balancing

38-the problem, he would not have committed those silly mistakes.

- 1) had terry understood 2) whether terry understood
- 3) if terry has understood 4) should terry understood

39- while there are many hypotheses about atlantis, but the vast majority of scientists..... atlantis never existed.

- 1) conclude that is 2) conclude that
- 3) that conclude 4) they conclude that

40- If you want to improve your muscular you need to exercise regularly.

- 1) involvement 2) evolution 3) Possibility 4) flexibility

41- People even those unfamiliar with one another, tend to gather together in times of

- 1) embarrassment 2) emergency 3) emotion 4) sophistication

42- By about 1900 one finds managers trying to place their theories on what they as a thoroughly scientific basis. (iranarze)

- 1) Involved 2) issued 3) regarded 4) reasoned

43- Tracking the progress of what is done by each worker in a typical day is becoming increasingly As organizations grow, both internally (growing employee numbers, responsibilities) and externally (multiple locations, remote employees).

- 1) Repetitive 2) official 3) interchangeable 4) complex

44- Various regulatory schemes control how commerce is, particularly vis-à-vis employees and customers.

- 1) Conducted 2) purchased 3) transmitted 4) resulted

45- Many businesses are operated through a separate such as a corporation or a partnership (either formed with or without limited liability).

- 1) Function 2) entity 3) pioneer 4) union

46- Scientists have set up so many experiments to How earthquakes happen.

- 1) Tend 2) Solve 3) Find out 4) Keep

47- This is a very light chair. It is ... of a series of aluminum tubes.

- 1) Composed 2) Consist 3) Aware 4) Afraid

48- Moslems ... Their shoes whenever they want to enter a mosque.

- 1) Keep on 2) Take off 3) Put on 4) Turn off

49- The teacher asked the student ... lesson 5.

- 1) That she had studied 2) That she has studied
3) If she had studied 4) Has she studied

50- This must be kept a ... between us. Nobody should know it.

- 1) Covered 2) Secret 3) Known 4) Puzzle