

حل تشریحی یوس ۲۰۲۰

دانشگاه هاران



Harran University

INTERNATIONAL STUDENTS' EXAM

uniland.ir

☎ ۰۲۱۹۱۳۰۵۹۰۵

✈️ @uniland_yos

$$r^1 \oplus r^2 = 11 \rightarrow (r \times r) + r + 1$$

$$r^1 \oplus 0^r = r0$$

$$r^r \oplus 1^2 = ?$$

$$a^b \oplus c^d \rightarrow r(a \times c) + b + d$$

$$\rightarrow 4 \times 1 + 6 + 7 \rightarrow 17 \rightarrow \underline{22} \quad \text{جواب نهایی C}$$

$$\frac{r}{=} \quad a \Delta b = \frac{b-a}{b+a}$$

$$(r \Delta 1) * (8 \Delta 1) = ?$$

$$a * b = \frac{b}{a}$$

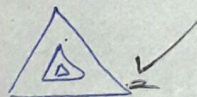
$$r \Delta 1 = \frac{1-r}{1+r} \rightarrow \frac{2}{12} \rightarrow \left(\frac{1}{6} \right)$$

$$\frac{1}{6} * \frac{1}{12} \rightarrow \frac{\frac{1}{12}}{\frac{1}{6}} \rightarrow \frac{1}{2} \rightarrow \text{B}$$

$$8 \Delta 1 = \frac{1-8}{1+8} \rightarrow \frac{-7}{9} \rightarrow \left(\frac{1}{9} \right)$$

$$\frac{1}{\times 1} \frac{1}{\times 2} \frac{2}{\times 8} \frac{1}{\times 7} \frac{8}{\times 9} \rightarrow \underline{928}$$

$$\begin{array}{l} \text{میان} + \text{میان} \rightarrow \text{OL} \\ \text{OL} + \text{میان} \rightarrow \text{میان} \end{array}$$



B' نهایی

$$\begin{array}{r} A B C \\ C A B \\ B C A \\ \hline D D D \end{array} \quad \begin{array}{r} \times D \rightarrow r \times r \\ \times D \\ \hline E \end{array} \quad A+B+C=D$$

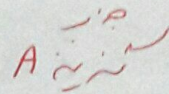
$$A+B+C + D+E = ? \rightarrow D^r + rD = ? \rightarrow D=3 \rightarrow 9+4 \rightarrow \underline{13} \quad \text{جواب نهایی D}$$

LANSE
ASLAN
DENSE
SADP
ABOAM

9 1 4 9 2
9 2 4 9 1
2 9 4 1 2
6 1 2 2 1
4 9 2 2 1

E=1
L=4
N=2
A=9

نهایی E



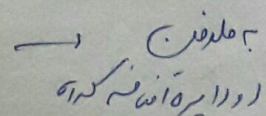
عینک

$\rightarrow PK = 294000 \rightarrow K = 151000 \rightarrow \Delta K = ?$ $\underline{140000}$

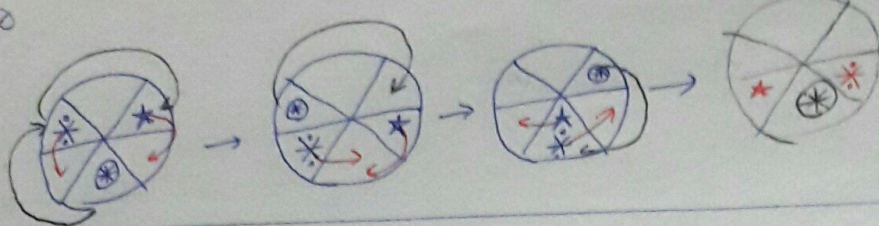
Pine

11/11/20

Binn



Cinn



سینه

۱۴

Δ	□	○	*	⇒
□	Δ	⇒	○	*
⇒	*	Δ	□	○
○	⇒	*	Δ	□
*	○	□	⇒	Δ

⇒

Δ	Δ	X
γ	*	

$x_1 \Rightarrow$

$y \Rightarrow$

سینه

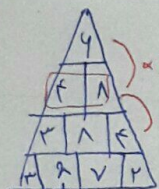
۱۷

۸۴۶۳۱۷, ۳۶۴۸۸, ۵۴۳(۱۷), ۳۶۴۷, ۴۳۱۱, ۳۶۲, ۳۸

به عکس

دوای آفری! جمع کرده از راست و چپ به سمت راست به یکدیگر میرسد

۱۸



$382 \times 8 \rightarrow 3.072$

$x \leq 0$

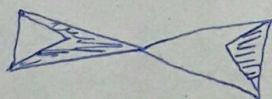
۱۹

$$(3 \times 5) \div 4 = 3$$

$$4 \times 5 (3 \times 7) = 3$$

$$(15 \div 8) \times 7 = ? \rightarrow \frac{15 \times 8}{8} \rightarrow 15 \times 5 = 75$$

۲۰ دو مردی با شکل های سین (تخمیر شده) راه



A سینه

$$h(r_{n-1}) = g\left(\frac{r_{n-1}}{r}\right)$$

$$h^{-1}\left(g\left(\frac{r_{n-1}}{r}\right)\right) = r_{n-1}$$

$$\frac{r_{n-1}}{r} = t \rightarrow \frac{r_{n-1}}{r} = t$$

$$r\left(\frac{r_{n-1}}{r}\right) \rightarrow \frac{rt+r}{r} = 5$$

$$\Rightarrow f^{-1}(g(t)) = \frac{rt+r}{r} - \frac{15}{r}$$

$$h^{-1}(g(t)) = \frac{rt-1r}{r}$$

$$h^{-1}(x) = \frac{rt-1r}{r}$$

$$\Rightarrow \frac{1}{r-1} + \frac{1}{r+1} + \frac{1}{r+5} = ?$$

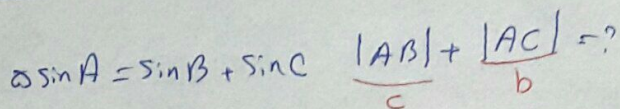
$$\frac{r+1}{1} + \frac{r-1}{r+1} + \sqrt{r-1} - \sqrt{r+1} \rightarrow 3$$

سینه

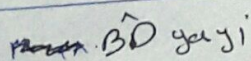
موازیات
B

$$\frac{\omega \varepsilon - \Delta}{90000} \rightarrow \sqrt{\frac{\varepsilon \mu}{90000}} \rightarrow \frac{v}{100} \Rightarrow \frac{v}{100} \rightarrow 1.25$$

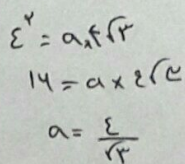
$\varepsilon \quad 1 - \frac{r}{r - \frac{\varepsilon}{\Delta - \frac{1}{V}}} = ? \rightarrow 1 - \frac{r}{r - \frac{1}{\frac{\Delta}{r\Delta} - \frac{1}{V}}} \quad 1 - \frac{\partial \Delta}{\partial \Delta} \rightarrow \frac{1}{\frac{\partial \Delta}{\partial \Delta}}$




 $a + b + c = 4$
 $\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C} \rightarrow \frac{a}{\sin A} = \frac{b+c}{\sin A} \quad b+c=2a$
 $4a = 4 \quad a=1 \rightarrow b+c=2 \quad \underline{B} \sim \underline{C}$



A



$$\frac{\epsilon r^2 - \frac{\epsilon}{r^2}}{r^2} = \frac{12 - \frac{\epsilon}{r^2}}{\sqrt{c}} \Rightarrow \frac{1}{r^2} \quad \rightarrow b = \frac{\sqrt{c}}{r}$$

$$\frac{\cos \theta}{\sin \theta} - \frac{\sin \theta}{\cos \theta} = Y$$

$$\frac{\cos \epsilon_m - \sin \epsilon_m}{\sin \epsilon_m \cos \epsilon_m} \Rightarrow \frac{\cancel{\sin \epsilon_m} \cos \epsilon_m}{\cancel{\sin \epsilon_m} \cos \epsilon_m} \rightarrow \cancel{\sin \epsilon_m} \cot \epsilon_m = \cancel{\sin \epsilon_m} \cot \epsilon_m = 1$$

$$\sum n = \frac{\sum}{\sum} \quad \boxed{\frac{\sum}{14}}$$

$$\underline{9} \quad A - B = \begin{bmatrix} -9 & -1 \\ 4 & -8 \end{bmatrix}$$

$$A + B = \begin{bmatrix} r & 1r \\ 1r & r \end{bmatrix}$$

$$A = 7$$

$$A = \begin{bmatrix} -4 & 9 \\ 10 & -1 \end{bmatrix}$$

$$A = \begin{bmatrix} -1 & 1 \\ 0 & -1 \end{bmatrix}$$

A 7-20

$$\frac{1}{\left(\frac{1}{4}\right)^{\frac{1}{2}}} - \frac{1}{\left(\frac{1}{2}\right)^{\frac{1}{2}}} = ? \quad \frac{1}{\left(\frac{1}{4}\right)^{\frac{1}{2}}} - \frac{1}{\left(\frac{1}{2}\right)^{\frac{1}{2}}} = \frac{1}{\left(\frac{1}{4}\right)^{\frac{1}{2}}} - \frac{1}{\left(\frac{1}{2}\right)^{\frac{1}{2}}}$$

$$42-18 \rightarrow 24 \rightarrow 2^3 + 3 \text{ prime}$$

$$-Y \cos^2 u + V \sin u - Y \leq$$

$$-Y(1-S^2) + VS - Y \leq \rightarrow -Y + YS^2 + VS - Y \leq$$

$$YS^2 + VS - Y \leq$$

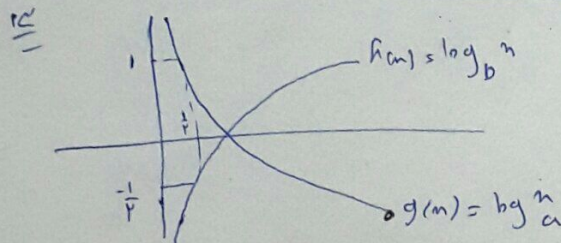
$$A \rightarrow \frac{-V \pm 9}{2} \rightarrow \left(\frac{Y}{2}\right) (-2) \rightarrow \frac{1}{Y} \boxed{\sin u = \frac{1}{Y}} \rightarrow 11. - 12. \rightarrow 12.$$

$$\frac{10}{11} \rightarrow \frac{10}{11} \rightarrow \frac{10}{11}$$

$$A \text{ prime}$$

$$\frac{n}{r} \mid \Lambda \quad \frac{n+1}{r} \mid \Lambda \quad \frac{1}{r} \mid \Lambda$$

$$r+r = 2 \quad 3 \text{ prime}$$



$$g(m) \rightarrow \frac{1}{y+1} \rightarrow \log_a \frac{1}{y+1} = 1 \rightarrow a = \frac{1}{y+1}$$

$$h(m) \rightarrow \frac{1}{y-1} \rightarrow \log_b \frac{1}{y-1} = -\frac{1}{y} \rightarrow b^{\frac{1}{y}} = \frac{1}{y} \rightarrow \frac{1}{\sqrt{b}} = \frac{1}{y} \quad b = 2$$

$$(f-g)_n = ? \rightarrow \log_n \frac{1}{2} - \log_n \frac{1}{r} \rightarrow \log_n \frac{1}{2} + \log_n r \rightarrow \log_n \frac{r}{2} \rightarrow \log_n \frac{r}{2} \rightarrow \frac{r}{2} \log_n r$$

$$D \text{ prime}$$

$$a = \sqrt{11} + \sqrt{21} \rightarrow r+r + 2r$$

$$b = \sqrt{11} + \sqrt{11} \rightarrow r+r + r \quad a > b$$

$$c = \sqrt{11} + \sqrt{11} \rightarrow r+r + 2r \quad b < c \rightarrow c > a > b \quad c \text{ prime}$$

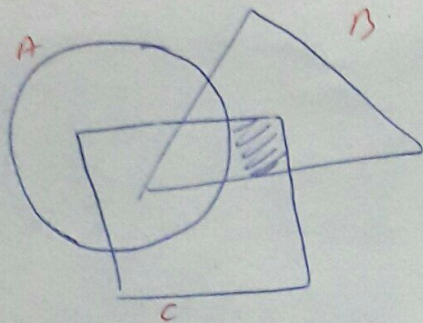
$$\frac{10}{9} \mid \frac{10}{9} \mid \frac{10}{9}$$

$$r, r, r = x \pmod{9} = ?$$

$$r, r, r = x \pmod{9} \rightarrow r, r, r = x \pmod{9}$$

$$\left(\frac{1}{r}\right)^{\frac{1}{r}} \rightarrow (-1)^{\frac{1}{r}} \rightarrow \frac{1}{r} \rightarrow \frac{1}{r}$$

14



$$\begin{aligned} (B \cap C) - A &\checkmark \\ (B - A) \cap C &\checkmark \\ (B \cup C) - A &\checkmark \end{aligned}$$

E نیز

$$w \quad h(n) = \frac{\tan^{\frac{1}{r}} n}{1 + \tan^{\frac{1}{r}} n}$$

$$h\left(\frac{\pi}{2} - n\right) = ?$$

$$n = \frac{\pi}{2}$$

$$h(\frac{\pi}{2}) = ?$$

$$h(\frac{\pi}{2}) = \frac{1}{1+1} = \frac{1}{2}$$

$$h(n)$$

$$\boxed{\frac{1}{2}}$$

$$h(n) + 1$$

$$\frac{1}{2} + 1 = \frac{3}{2}$$

$$\frac{h(n)}{h(n) + 1}$$

$$\frac{\frac{1}{2}}{\frac{3}{2}} = \frac{1}{3}$$

$$2h(n)$$

$$2\left(\frac{1}{2}\right) = 1$$

$$\frac{1}{h(n)}$$

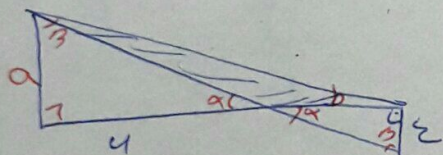
$$\frac{1}{\frac{1}{2}} = 2$$

A نیز

$$\frac{1}{n} \quad 2 + \lambda = |2| - \bar{2}$$

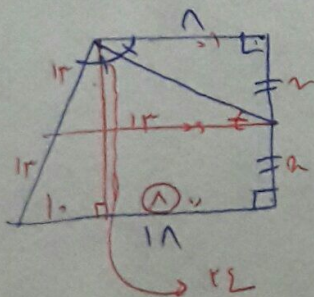
$$2 \leq x + yi \rightarrow x + yi + \lambda = x' + y' - x + yi \quad 2x + \lambda = x' + y'$$

$$x' - (x + y') \leq \lambda \quad (m-1) - 1 + y' \leq \lambda \quad \underline{(m-1) + y' \leq 9} \quad \subseteq \text{نیز}$$



$$\frac{a}{\epsilon} = \frac{y}{b} \rightarrow ab = \epsilon^2$$

$$\text{for } \frac{a \cdot b}{\epsilon} \rightarrow \frac{\epsilon^2}{\epsilon} = \epsilon$$

A نیز

$$r_m \leq r_\epsilon$$

$$\underline{m-1} \quad D \text{ نیز}$$