Sınaq	14					
	Riyaziyyat					
1	D	11	C	21	B
2	B	12	D	22	B
3	E	13	E	23	4
4	B	14	D	24	25
5	E	15	C	25	5
6	B	16	B	26	32
7	B	17	C	27	1C2AD3BE
8	E	18	E		
9	B	19	C		
10	C	20	E		

I qrup

***Sual* 28.**

Həlli:

$$\frac{x}{-1}+\frac{y}{3}=1 \qquad 3x+3=x^2+3x-6$$

$$-3+y=3 \qquad x^2=9$$

$$y=3x+3 \qquad x_1=-3 \quad x_2=3$$

$$\int_{-3}^{3}(3x+3-x^2-3x+6)dx=\int_{-3}^{3}(9-x^2)dx=$$

$$=\left(9x-\frac{x^3}{3}\right)_{-3}^{3}=27-9+27-9=36$$

***Sual* 29.**

Həlli:

$$\frac{\lg\frac{3}{\cancel{4}}\cdot\frac{\cancel{4}}{\cancel{5}}\cdot\frac{\cancel{5}}{\cancel{6}}\cdot\ldots\cdot\frac{\cancel{298}}{\cancel{299}}\cdot\frac{\cancel{299}}{300}}{6^{\lg 25}\cdot 6^{\lg 4}}=\frac{\lg\frac{3}{300}}{6^{\lg 25+\lg 4}}=\frac{\lg\frac{1}{100}}{6^{\lg 25\cdot 4}}=\frac{\lg 10^{-2}}{6^{\lg 10^2}}=\frac{-2}{6^2}=\frac{-2}{36}=-\frac{1}{18}$$

***Sual* 30.** **İsbatı:**

$$\frac{a}{\sin\alpha}=2r$$

$$\frac{\frac{a^2}{4r^2}}{\frac{b^2}{4r^2}+\frac{c^2}{4r^2}}=1 \rightarrow \frac{a^2}{4r^2}=\frac{b^2}{4r^2}+\frac{c^2}{4r^2} \rightarrow a^2=b^2+c^2 \rightarrow \alpha=90^\circ$$

II qrup

***Sual* 28.**

Həlli:

$$25_{saat}-----112\%$$

$$x_{saat}------100\% \qquad x=\frac{25\cdot 112}{100}=28_{saat}$$

$$7\dot{k}-----28_{saat}$$

$$5\dot{k}-----y_{saat} \qquad y=\frac{5\dot{k}\cdot 28}{7\dot{k}}=20_{saat}$$

***Sual* 29.**

Həlli:

$$224\cdot\frac{5}{14}=80$$

$$150-----80$$

$$540-----x$$

$$x=\frac{80\cdot 540}{150}=288 \qquad 288-224=64$$

***Sual* 30.** **Həlli:**

$$\frac{C_{21}^2\cdot C_{15}^1}{C_{36}^3}=\frac{\frac{21!}{2!\cdot 19!}\cdot 15}{\frac{36!}{3!\cdot 33!}}=\frac{\frac{19!\,20\cdot 21}{2\cdot 19!}\cdot 15}{\frac{33!\,34\cdot 35\cdot 36}{6\cdot 33!}}=\frac{10\cdot 21\cdot 15}{34\cdot 35\cdot 6}=\frac{30\cdot 15}{34\cdot 30}=\frac{15}{34}$$