## 中山大學本科生考试草稿纸如次-63.

警示 《中山大学授予学士学位工作细则》第七条:

学示 《中山大学授予学士学位工作细则》第七条:"考试作弊者不授予学士学位。"
$$\frac{7}{9.53.6.} \int_{0}^{2} \frac{\chi^{2} d\chi}{\sqrt{1-\chi^{2}}} = \int_{0}^{3} \frac{S_{m}^{2} t}{c_{o}t} \cdot c_{o}t \, dt = \int_{0}^{3} \frac{1-c_{o}2\chi}{2} d\chi = \frac{1}{2} \left(\chi \right)_{0}^{3} - \frac{S_{m}^{2} \chi}{2} \right]_{0}^{3}$$

$$= \frac{1}{2} \left(\frac{\zeta}{3} - \frac{1}{2} S_{m}^{2} \frac{2\zeta}{3}\right) = \frac{1}{2} \left(\frac{\zeta}{3} - \frac{1}{2} \cdot S_{m}^{3} \frac{2\zeta}{3}\right) = \frac{1}{2} \left(\frac{\zeta}{3} - \frac{1}{4} \cdot S_{m}^{3} \frac{2\zeta}{3}\right)$$

$$\frac{p.153.7.}{\int_{0}^{1} \sqrt{4-\chi^{2}} d\chi}, \quad \hat{\chi}_{1} = 2 \sin t, \quad \chi_{1} d\chi = 2 \cot t dt$$

$$= \int_{0}^{\frac{\pi}{6}} 2 \cdot \cot \cdot 2 \cot t dt = 4 \int_{0}^{\frac{\pi}{6}} \frac{1+\cos 2t}{2} dt$$

$$= 2 \left[ t \right]_{0}^{\frac{\pi}{6}} + \frac{1}{2} \sin 2t \Big|_{0}^{\frac{\pi}{6}} \right] = 2 \left( \frac{\pi}{6} + \frac{1}{2} \cdot \frac{\sqrt{3}}{2} \right) = \frac{\pi}{3} + \frac{\sqrt{3}}{2}.$$

$$\frac{p.133.8}{5} \cdot \int_{0}^{3} \chi \cdot \frac{3}{1-x^{2}} d\chi = -\frac{1}{2} \int_{0}^{3} \frac{3}{1-x^{2}} d(1-x^{2}) = -\frac{1}{2} \cdot \frac{3}{4} (1-x^{2})^{\frac{4}{3}} \Big|_{0}^{3} = -\frac{3}{8} \frac{8^{\frac{4}{3}}-1}{8^{-\frac{3}{8}}} \Big|_{0}^{\frac{2}{3}} = -\frac{4}{8} (1-x^{2})^{\frac{4}{3}} \Big|_{0}^{3} = -\frac{3}{8} \frac{8^{\frac{4}{3}}-1}{8^{\frac{4}{3}}} \Big|_{0}^{\frac{2}{3}} = -\frac{4}{8} (1-x^{2})^{\frac{4}{3}} \Big|_{0}^{3} = -\frac{3}{8} \frac{8^{\frac{4}{3}}-1}{8^{\frac{4}{3}}} \Big|_{0}^{\frac{2}{3}} \Big|_{0}^{\frac{2}{3}} = -\frac{3}{8} \frac{8^{\frac{4}{3}}-1}{8^{\frac{4}{3}}} \Big|_{0}^{\frac{2}{3}} = -\frac{3}{8} \frac{8^{\frac{4}{3}}-1}{8^{\frac{4}{3}}} \Big|_{0}^{\frac{2}{3}} \Big|_{0}^{\frac{2}{3}}$$

$$\frac{P.153.10.}{\int_{0}^{2} \cos^{2}x dx} = \frac{1}{2} \int_{0}^{2} \cos^{2}x d\cos x = \frac{1}{2} \int_{0}^{2} \cos^{2}x d\cos x = \frac{1}{2} \int_{0}^{2} \cos^{2}x dx + \int_{2}^{2} \cos^{2}x dx = \frac{1}{2} \int_{0}^{2} \cos^{2}x dx + \int_{2}^{2} \cos^{2}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^{n}x dx = \frac{1}{2} \left[ (1+c-1)^{n} \right] \cdot \int_{0}^{2} \cos^$$

$$\frac{P.153.11}{\int_{0}^{\infty} (a^{2} - \chi^{2})^{\frac{n}{2}} dx} = \int_{0}^{\infty} \frac{1}{a^{n}} \int_{0}^{\infty} \frac{1}{a^{n}} dx = \int_{0}^{\infty} a^{n} \cos t dt = \int_{0}^{\infty} a^{n} \sin t dt = \int_{0}^{\infty} a^{n}$$