**Exam #1, solution 2**: Standard For Full Credibility is: $(y / k)^2 (\sigma_f^2/\mu_f)$ =

The final solution is correct.

**Exam #2, Q.15**: Y follows a zero-**modified** negative binomial distribution

**Exam #2, sol. 3**: $X_{(a)} \geq 0.97$(estimated 70th percentile) and $X_{(b)} \leq 1.03$(estimated 70th percentile).

**Exam #4, solution 12**: $\int_0^1 x^{a-1} (1 - x)^{b-1} dx = \frac{(a-1)! \ (b-1)!}{(a+b-1)!}$.

**Exam #5, solution 12**: loglikelihood is: **-**$3(\theta/1000)^3 - (\theta/2000)^3 - (\theta/5000)^3 + 6\ln(\theta)$ + constants.

The final solution is correct.

**Exam #7, Q.12**: The mean squared error of $\hat{\beta}$ as an estimator of the parameter $\beta$ is 27.

**Exam #7, solution 5**: $\begin{pmatrix} 0.00011 & 0.059 \\ 0.059 & 281 \end{pmatrix}$ / {(281)(**0.00011**) - (-0.059)(-0.059)}

**Exam #9, sol. 17:** $\text{TVaR}_{95\%}(X)$ = **48**,000 + (6928)(0.10311) / 0.05 = **62**,287.

The letter choices need to be revised to match the corrected solution.

**Exam #9, sol. 27:** We are given the a priori mean of **207**.
We use this **207** in estimating the VHM,

**Exam #10, question 23**:
(A) 0.000812 (B) 0.000825 (C) 0.000839 (D) 0.000853 (E) 0.000868

**Exam #10, question 35**: (ii) A sample of **28** losses

**Exam #10, solution 3**, line 14: $\sqrt{\frac{25\lambda^2}{48}}$ / (**5**$\lambda$/4) = $(1/\sqrt{48})$ (4) = $1/\sqrt{3}$ = **0.577**.

**Exam #10, solution 9**, line 7: $\int_{20}^{\infty} (1 - 20/b)\,(6)(15^6)/b^7\,db$

**Exam #10, solution 31**, line 3: with a = **-1/3** and b = **7/3**.
The final solution is correct.

**Exam #10, solution 32**:
The second and the third lines of the alternate solution are missing "E" for expected values.
Also, in the alternate solution, $\alpha = 2.5$.

**Exam #10, solution 35**, line 2: $S(500)^4 = \{(\theta/250{,}000)^{\mathbf{2}}\}^4$.
The final solution is correct.

**Exam #12, question 3**: A. Less than 0.4

**Exam #14, solution 35**, line 6: $\beta/(1+\beta)$ should be $1/(1+\beta)$. Solution is correct.