**Department of Computer Science**

**Course Title:** Natural Language Processing / Machine Learning  
**Assignment Type:** Coding Challenge  
**Topic:** Text Classification Using Machine Learning  
**Total Marks:** 100

**Instructions:**

Carefully read the definitions below and classify each of the ten (10) texts that follow into one of the three categories:  
**A. Medical Doctor**  
**B. Veterinarian**  
**C. Other**

**Category Definitions:**

A. Medical Doctor

* This label should only include practicing doctors and or consultants to doctors/clinics.
* Medical school students, nurses or medical professionals who aren’t doctors should go into the “Other” label (C) instead

B. Veterinarian

* This label should only include practicing vets and/or consultants to vets/clinics.
* Veterinarian students or veterinarian technicians should go into the “Other” label (C) instead

C. Other

**QUESTIONS  
Classify each of the following texts into A, B, or C. (10 marks each)**

1. **I think a lot of other people made some good points so I’m not going to repeat a lot of it. It’s never too late to consider vet med as a career and undergrad is a great opportunity to push yourself and make yourself competitive.**
2. **“Currently I’m a third-year vet student, and I’ve just started my clinical rotations at a university-affiliated animal hospital.”**
3. **“I consult with several small animal clinics across the state, providing support on surgical procedures and equipment upgrades.”**
4. **“I’m a nurse specializing in neonatal care. I collaborate closely with pediatricians but do not make diagnoses or prescribe treatments.”**
5. **“I recently opened a mobile vet practice and offer home visits for pets in rural areas where clinics are not accessible.”**
6. **“As a pathology technician, I process blood and tissue samples sent in by doctors. I rarely interact with patients directly.”**
7. **“I’ve been practicing emergency veterinary medicine for over five years, mostly focusing on critical care and trauma.”**
8. **“I am in my final year of medical school, and I’ve just completed an internship in internal medicine.”**
9. **I will play devil’s advocate though. I am a second-year resident and I’m burnt out already. Undergrad is 4 years, vet school is another 4, and residency is 3. If you want to do aquatic medicine then it will likely be another 2 years of rotating and specialty internships before residency. That’s upwards of 13 years of training ahead of you. Vet Med can be rewarding, but it is hard and long to get to the end of your training. I’m not saying this to discourage you, but simply to make sure you know what you would be commuting to. You have to be driven and always keep your eye on the prize. Be prepared for long nights, long weeks, and long years. As someone who knows people looking for path jobs in diagnostics/industry, this information is not current. Most diagnostic centers have placed a hold on hiring and industry has definitely slowed down. Also, pharma almost always requires a concurrent PhD. Some of these comments are absolutely insane and just speak to how toxic the culture is in vet med. For most of you, stop cherry-picking what OP said in the post. If the technician is calling the other doctors by their last name/title and refusing to call OP by it then it’s not a lack of respect—it is active disrespect. As a technician, I would never have disrespected a doctor like that. As a doctor now, I would expect the same respect as my other colleagues. I go by my first name because that’s how I like it, but as someone who was once a technician, the appropriate thing to do is to call them by their last name/title at first and feel it out or simply ask what they prefer.**
10. **“I provide telehealth consultations for family doctors and review cases remotely as a specialist in dermatology.”**