individual task in physics of mid-September 2019.

Edited at 3pm 18.9.2019.

s is your student number.

k = s mod 10000. T = s mod 100.

m35 = s mod 35. m25 = s mod 25. m20 = s mod 20.

m10 = s mod 10. m9 = s mod 9. m8 = s mod 8. m7 = s mod 7. m6 = s mod 6.

m5 = s mod 5. m4 = s mod 4. m3 = s mod 3. m2 = s mod 2.

1. Why do you need physics?

2. Do what you like in physics.

3. Will moving or static egg crack? Explain dynamic coefficient and attack vs. defense.

4. Explain efficiency of truck and trolley.

5. Do big or small wheals give more power.

6. Why does cat sit on its curved legs?

7. Do your project.

8. What is physics of social media?

9. Study physics of songs.

10. Solve Zimmermann problem:

http://azspcs.com/Contest/Nearness

Solve for m20 + 6.

If you cannot register here then submit your solutions to me.

11. What is fractal?

https://en.wikipedia.org/wiki/Fractal

12. Explain Magnus effect.

https://en.wikipedia.org/wiki/Magnus\_effect

13. Apply for American citizenship:

https://www.dvlottery.state.gov/

14. Apply for scholarships, grants, fellowships of USA, Europe, Canada, Australia, Japan, etc.

15. Study

https://physics15.weebly.com/

https://physics16.weebly.com/

https://physics18.weebly.com/

16.Study math as method of physics.

17. What is least constraint principle?

https://en.wikipedia.org/wiki/Gauss%27s\_principle\_of\_least\_constraint

18. Discuss physics news.

https://en.wikipedia.org/wiki/Physics

https://en.wikipedia.org/wiki/Capital\_of\_Indonesia

https://en.wikipedia.org/wiki/UEFA\_Euro\_2020\_qualifying

https://en.wikipedia.org/wiki/Yemeni\_Civil\_War\_(2015%E2%80%93present)

https://en.wikipedia.org/wiki/Kashmir\_conflict

https://en.wikipedia.org/wiki/2019\_Abqaiq%E2%80%93Khurais\_attack

https://en.wikipedia.org/wiki/Islamic\_State\_of\_Iraq\_and\_the\_Levant

https://en.wikipedia.org/wiki/Al-Qaeda

https://en.wikipedia.org/wiki/Taliban

https://en.wikipedia.org/wiki/Rohingya\_people

https://en.wikipedia.org/wiki/Uyghurs

https://en.wikipedia.org/wiki/Kosovo\_War

https://en.wikipedia.org/wiki/Jamal\_Khashoggi

https://en.wikipedia.org/wiki/Basuki\_Tjahaja\_Purnama

https://en.wikipedia.org/wiki/May\_1998\_riots\_of\_Indonesia

https://en.wikipedia.org/wiki/Indonesian\_mass\_killings\_of\_1965%E2%80%9366

https://en.wikipedia.org/wiki/Brexit

https://en.wikipedia.org/wiki/Julian\_Assange

https://en.wikipedia.org/wiki/Chelsea\_Manning

https://en.wikipedia.org/wiki/Edward\_Snowden

https://en.wikipedia.org/wiki/Noam\_Chomsky

https://en.wikipedia.org/wiki/Annexation\_of\_Crimea\_by\_the\_Russian\_Federation

https://en.wikipedia.org/wiki/War\_in\_Donbass

https://en.wikipedia.org/wiki/Ukrainian\_crisis

19. Study general concepts of mechanics, oscillation, fluid mechanics, thermodynamics, optics, electromagnetism, quantum physics and cosmology.

https://en.wikipedia.org/wiki/Mechanics

https://en.wikipedia.org/wiki/Oscillation

https://en.wikipedia.org/wiki/Fluid\_mechanics

https://en.wikipedia.org/wiki/Thermodynamics

https://en.wikipedia.org/wiki/Optics

https://en.wikipedia.org/wiki/Electromagnetism

https://en.wikipedia.org/wiki/Quantum\_mechanics

https://en.wikipedia.org/wiki/Cosmology

20. How is physics used in computer science?

Deadline is 25.9.2019.