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| University of Salahaddin  College of Agriculture  Dept.of Animal resource  Stage- 3 | شعار الجامعة | Subject: Practical Reproductive physiology And Artificial Insemination  Time:1 hours |

Final Examination Second trail/ Spring course (2017-2018)

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Q1/ Answer 4 of the following: (60 marks)

1-What are the functions of: Uterus, Goblet cells, testes and epidydymus.

2-Enumerate the methods of pregnancy detection? Explain ultrasonography method?

3-What are the primary and secondary malformation (abnormalities) in sperm shapes?

4-Enumerate the main causes of infertility in Male? Explain the nutritional factors?

Q2/A- Mention the advantages of artificial vaginal method . (10 marks)

B- Explain the Interest of egg yolk. (10 marks)

Q3/ in the examination of the semen the semen volume was ejaculation = 6 ml , sperm concentration of ejaculation and one (800) million sperm, the ratio of the movement of individual (90%), the ratio of sperm normal (90%) concentration of sperm for inseminated one (20) million sperm. Calculate the ratio of diluter that we need to diluted the ejaculate? (20 marks)

Mr. Edres Abdulla Hamadamen

lecturer