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**Practical Histochemistry exam**  
**4<sup>th</sup> year (Zoology/Chemistry), 2020**

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**Part (1): Practical Exam**

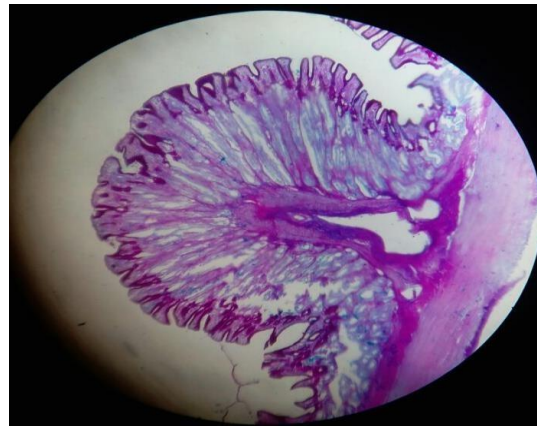
**Question 1**

**(30 marks)**

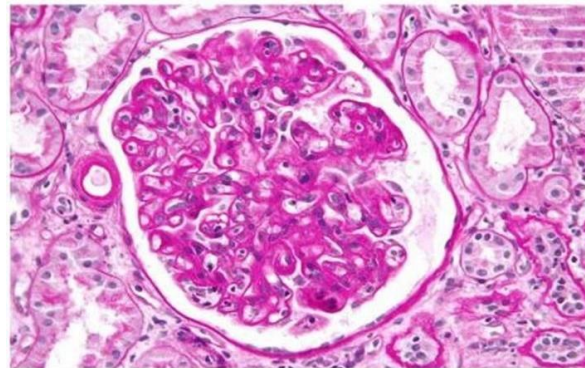
**A-**

**(15 marks)**

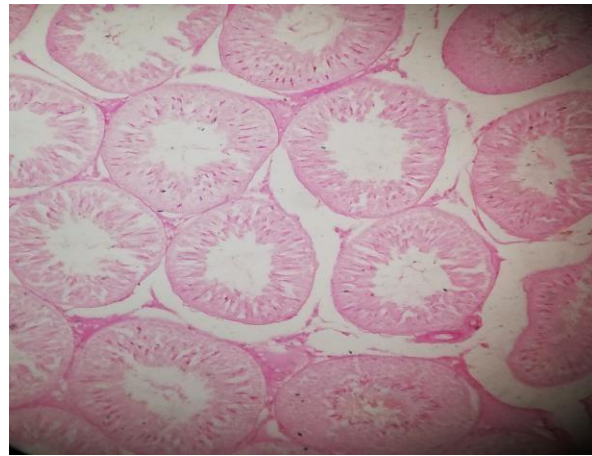
**1-This tissue is stained by ..... (complete).**



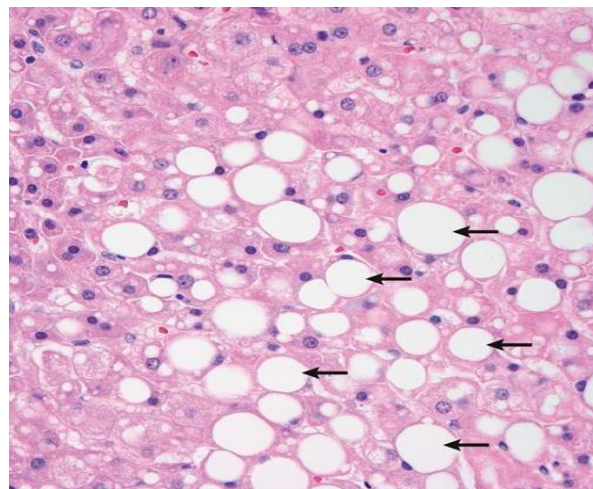
**2-Identify and write the composition of this tissue**



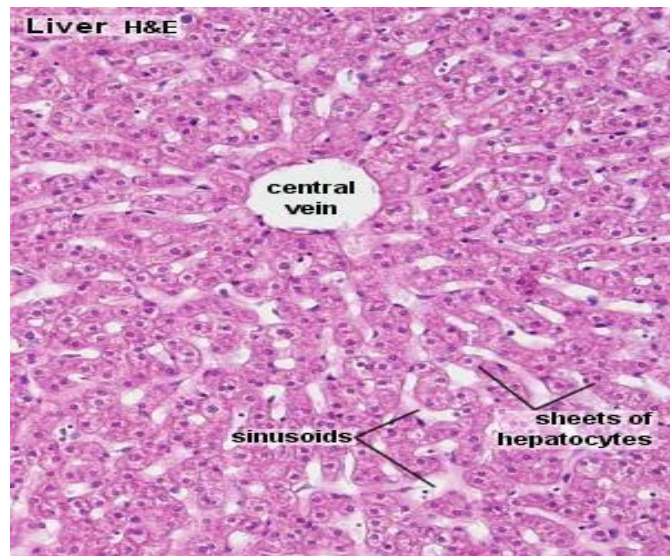
3-Identify and give me other two different stained micrographs for this tissue.



4-In the following micrograph, the arrows show.....  
(Complete)



5- This is a normal Hematoxylin and Eosin liver micrograph, give me an abnormal one.



B-

What is staining principle and what the general procedures of Staining the tissue are? (15 marks)

Question 2 (15 marks)

A) (5 marks)

- The reagent which can be used for the identification of both carbohydrate and nucleic acid is .....1..... .
- For the identification of .....2.....frozen section is the best protocol.
- Bluing is done by the following methods .....3..., .....4....., .....5.....

B) Mention the causes of identification of the following and support your answer with different stained micrographs: (10 marks)

Lung, ovary, compact bone, thyroid gland, pancreas

**Damietta university  
Faculty of Science  
Zoology Department**

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**Part (2): Oral Exam**

- 1) Define special stains and it's the examples.
- 2) Definition of Histochemistry.

*Best Wishes  
Dr./Nahed omr*