

AZRA NAHEED MEDICAL COLLEGE LAHORE

END MODULAR TEST
MBBS Second Year 2019-20
(Physiology-Subjective)

INSTRUCTIONS

- 1-All subjective part is to be submitted **within 2:10 minutes**, no extra time will be given.
2-Neat handwriting, use of margins will increase the outlook /presentation of your paper.

ATTEMPT ALL QUESTIONS; ALL QUESTIONS CARRY EQUAL MARKS.

TOTAL MARKS = 50
TIME = 2hours.

DATED: 12.8 2020

- Q1. A). Enumerate the steps of spermatogenesis. (2.5)
B). Write down the Hormonal factors that stimulate the spermatogenesis. (2.5)
- Q2.A) A one month baby is brought to pediatrician for the first time since his birth. Examination reveals absence of both testes within the scrotum. Scrotal sack was empty on palpation. Ultrasonography revealed that the testes were located within the inguinal canal.
a) What is your diagnosis? (1.5)
b) Which hormone causes the testes to descent into scrotum from abdomen? (1.5)
c) How this condition can be corrected? (2)
- Q3.A) Enumerate the Phases of ovarian cycle with hormone involved. (1.5)
B) Describe the sequence of events taking place in ovary on 14th day of 28 day female sexual cycle? (3.5)
- Q4 A).Compare the actions of estrogen & progesterone on breast & uterus? (3.5)
B) Draw diagram to endometrial cyclical changes? (1.5)
- Q5.A) What is the site of secretion of Testosterone? (1.5)
B) Give the functions of Testosterone during fetal & adult life. (3.5)
- Q6.A mother gave birth to baby, doctor encouraged her to start the breast feeding as early as possible.
a) Why the milk is secreted after parturition & not before delivery?(1)
b) Give the mechanism of milk ejection reflex.(2)
c) Explain the reason for the suppression of ovulation in lactating mothers?(2)
- Q7.A) Draw feedback regulation of Hypothalamic- pituitary ovarian axis in female. (3)
B) Describe endocrine functions of placenta. (2)
- Q8.A) Neelum was married 4 years ago but still she had no child, she told the doctor that She had normal menstrual cycles. The doctor is thinking of absence of ovulation. In your opinion.
a) What methods will be advised by the doctor to check whether ovulation is Occurring. (2.5)
b) What are the other causes of infertility? (2.5)
- Q9.A) 35 years old male visited infertility clinic with his wife. All tests of wife were normal .what could be factors that could lead to male infertility? (2.5)
B) What is capacitation of spermatozoa? (2.5)
- Q10.A) Which hormones increase the uterine contractility towards the end of the pregnancy? (3)
B) What is the cause of increased blood volume in pregnant woman? What type of anemia develop in pregnant women? (2)

