

SS/MBBS-II/2nd IA/O&G/09-23**2023****(September)****OBSTETRICS & GYNAECOLOGY****Full Marks: 100****Time: 3 hours****The figures in the margin indicate full marks for the questions****Answer all questions**

1. Draw and label a mature Graffian follicle. Discuss the physiology of ovulation and hormones responsible for it. 5+7+3=15

2. Enumerate the objectives of antenatal care. How do you assess the period of gestation and how do you screen for high risk factors? 3+5+7=15

3. A primigravida with 10 weeks of gestation presents at emergency OPD with vaginal bleeding. Discuss the diagnosis and management. 5+5=10

4. Write short notes on (any eight):

5x8=40

- a) Haematological changes in pregnancy.
- b) Blood supply of uterus.
- c) Maternal mortality.
- d) PPUCD.
- e) Functions of placenta.
- f) Teratogenesis.
- g) Corpus luteum.
- h) Ultrasound in obstetrics.

i) Use of blood and blood products in labour. $2 \times 5 = 10$

5. Answer briefly:

- a) Define perinatal mortality.
- b) How to calculate the expected date of delivery?
- c) Define gravida and parity.
- d) Name the functional endometrial layers.
- e) Parts of the fallopian tube.

6. How to communicate with a pregnant patient during history taking? 5

7. Choose the correct option:

1x5=5

i. Which of the following is a result of poor fusion of Paramesonephric ducts in female?

- a) Placenta praevia
- b) Bicornuate uterus
- c) Ectopic pregnancy
- d) Hydrocephalus

ii. The average duration of menstrual cycle is

- a) 14 days
- b) 18 days
- c) 24 days
- d) 28 days

iii. The uterine artery is a branch of

- a) Aorta

- b) External iliac artery
- c) Internal iliac artery
- d) Superior vesical artery

iv. What is the lining epithelium of the vagina?

- a) Columnar epithelium
- b) Low columnar epithelium
- c) Cuboidal epithelium
- d) Stratified squamous epithelium

v. Spinnbarkeit of cervical mucus is due to

- a) Oestrogen
- b) FSH
- c) LH
- d) Progesterone

SS/MBBS-II/2nd IA/O&G/09-23