

NEET HUMAN REPRODUCTION — MENSTRUAL CYCLE — PYQS

Max. Marks: 96

Questions: 24

Section A (MCQ) — 24 questions

Q.1 Given below are two statements:

Statement-I: Ovulation is caused by LH surge leading to rupture of Graafian follicles.

Statement-II: Graafian follicle remaining after ovulation transforms into corpus luteum and secretes large amount of estrogen.

In the light of the above statements, choose the most appropriate answer from the options given below:

[RE-NEET (UG) 2026]

- (1) Statement-I is incorrect but Statement-II is correct
- (2) Both Statement-I and Statement-II are correct
- (3) Both Statement-I and Statement-II are incorrect
- (4) Statement-I is correct but Statement-II is incorrect

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Q.2 The first menstruation is called : [NEET (UG) 2025]

- (1) Diapause
- (2) Ovulation
- (3) Menopause
- (4) Menarche

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Q.3 Given below are two statements: One is labelled as Assertion A and the other is labelled as Reason R.

Assertion (A): During menstrual cycle, the ovulation takes place approximately on 14th day.

Reason (R): Rapid secretion of LH in the middle of menstrual cycle induces rupture of Graafian follicle and thereby the release of ovum.

In the light of the above statements, choose the most appropriate answer from the options given below.

[RE-NEET (UG) 2024]

- (1) A is correct but R is not correct.
- (2) A is not correct but R is correct.
- (3) Both A and R are correct and R is the correct explanation of A.
- (4) Both A and R are correct but R is NOT the correct explanation of A.

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Q.4 Which of the following statements are correct regarding female reproductive cycle?

- A. In non-primate mammals cyclical changes during reproduction are called oestrus cycle.
- B. First menstrual cycle begins at puberty and is called menopause.
- C. Lack of menstruation may be indicative of pregnancy.
- D. Cyclic menstruation extends between menarche and menopause.

Choose the most appropriate answer from the options given below: [NEET (UG) 2023]

- (1) A and B only
- (2) A, B and C only
- (3) A, C and D only
- (4) A and D only

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Q.5 Which of the following hormone levels will cause release of ovum (ovulation) from the Graafian follicle? [NEET (UG) 2020]

- (1) Low concentration of FSH
- (2) High concentration of Progesterone
- (3) Low concentration of LH
- (4) High concentration of Estrogen

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Q.6 Match the items given in **column I** with those in **column II** and select the correct option given below. [NEET 2018]

Column-I		Column-II	
a.	Proliferative phase	i.	Breakdown of endometrial lining
b.	Secretory Phase	ii.	Follicular Phase
c.	Menstruation	iii.	Luteal Phase

- (1) (a)-(i), (b)-(ii), (c)-(iii)
- (2) (a)-(i), (b)-(iii), (c)-(ii)
- (3) (a)-(ii), (b)-(iii), (c)-(i)
- (4) (a)-(iii), (b)-(i), (c)-(ii)

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Q.7 A temporary endocrine gland in the human body is [NEET 2017]

- (1) corpus cardiacum
- (2) corpus luteum
- (3) corpus allatum
- (4) pineal gland.

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Q.8 Changes in GnRH pulse frequency in females is controlled by circulating levels of

[NEET 2016 (Phase 1)]

- (1) progesterone only
- (2) progesterone and inhibin
- (3) estrogen and progesterone
- (4) estrogen and inhibin.

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Q.9 Select the incorrect statement. [NEET 2016 (Phase 1)]

- (1) LH and FSH decrease gradually during the follicular phase.
- (2) LH triggers secretion of androgen from the Leydig cells.
- (3) FSH stimulates the Sertoli cells which help in spermiogenesis.
- (4) LH triggers ovulation in ovary.

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Q.10 Which of the following events is not associated with ovulation in human life? [AIPMT 2015]

- (1) Release of secondary oocyte
- (2) LH surge
- (3) Decrease in estradiol
- (4) Full development of Graafian follicle

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Q.11 The main function of mammalian corpus luteum is to produce [AIPMT 2014]

- (1) estrogen only
- (2) progesterone
- (3) human chorionic gonadotropin
- (4) relaxin only

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Q.12 Menstrual flow occurs due to lack of : [NEET 2013]

- | | |
|------------------|-----------------|
| (1) Progesterone | (2) FSH |
| (3) Oxytocin | (4) Vasopressin |

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Q.13 The secretory phase in the human menstrual cycle is also called : [AIPMT 2012 (Mains)]

- (1) Follicular phase lasting for about 6 days
- (2) Luteal phase and lasts for about 13 days
- (3) Follicular phase and lasts for about 13 days
- (4) Luteal phase and lasts for about 6 days

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Q.14 About which day in a normal human menstrual cycle does rapid secretion of LH (popularly called LH-surge) normally occur? [AIPMT 2011 (Mains)]

- (1) 11th day (2) 14th day (3) 20th day (4) 5th day

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Q.15 Which one of the following is the correct matching of the events occurring during menstrual cycle? [AIPMT 2009]

- (1) Ovulation: LH and FSH attain peak level and sharp fall in the secretion of progesterone
- (2) Menstruation: Breakdown of myometrium and ovum not fertilised
- (3) Secretory phase: Development of corpus luteum and increased secretion of progesterone
- (4) Proliferative phase: Rapid regeneration of myometrium and maturation of Graafian follicle

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Q.16 Which one of the following is the most likely root cause why menstruation is not taking place in regularly cycling human female? [AIPMT 2009]

- (1) Retention of well-developed corpus luteum
- (2) Maintenance of high concentration of sex hormones in the blood stream
- (3) Maintenance of the hypertrophical endometrial lining
- (4) Fertilisation of the ovum

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Q.17 Which one of the following statements is incorrect about menstruation? [AIPMT 2008]

- (1) The beginning of the cycle of menstruation is called menarche
- (2) At menopause in the female, there is especially abrupt increase in gonadotropic hormones
- (3) The menstrual fluid can easily clot
- (4) During normal menstruation about 40 ml blood is lost

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Q.18 Which part of ovary in mammals acts as an endocrine gland after ovulation? [AIPMT 2007]

- | | |
|-------------------------|------------------------|
| (1) Stroma | (2) Vitelline membrane |
| (3) Germinal epithelium | (4) Graafian follicle |

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Q.19 Withdrawal of which of the following hormones is the immediate cause of menstruation?

[AIPMT 2006]

- (1) Progesterone (2) FSH
(3) FSH-RH (4) Estrogen

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Q.20 If mammalian ovum fails to get fertilized, which one of the following is unlikely? [AIPMT 2005]

- (1) Corpus luteum will disintegrate
(2) Estrogen secretion further decreases
(3) Primary follicle starts developing
(4) Progesterone secretion rapidly declines

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Q.21 Ovulation in the human female normally takes place during the menstrual cycle [AIPMT 2004]

- (1) At the beginning of the proliferative phase
(2) At the mid secretory phase
(3) Just before the end of the secretory cycle
(4) At the end of the proliferative phase

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Q.22 Mainly which type of hormones control the menstrual cycle in human beings? [AIPMT 2002]

- (1) FSH (2) LH
(3) FSH, LH, estrogen (4) progesterone

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Q.23 Which set is similar? [AIPMT 2001]

- (1) Corpus luteum – Graafian follicles
(2) Sebum – Sweat
(3) Bundle of His – Pacemaker
(4) Vitamin B₇ – Niacin

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full solution



Q.24 Which set is similar? [AIPMT 2001]

- (1) Vitamin B₇ – Niacin
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(3) Corpus luteum – Graafian follicles
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ANSWER KEY

Ques.	1	2	3	4	5	6	7	8	9	10	11
Ans.	4	4	3	3	4	3	2	3	1	3	2
Ques.	12	13	14	15	16	17	18	19	20	21	22
Ans.	1	2	2	3	2	3	4	1	2	4	3
Ques.	23	24									
Ans.	1	3									