



BIOLOGY

BOOKS - TRUEMAN BIOLOGY

NCERT Exemplar Questions +2 (HUMAN REPRODUCTION)

Mcqs

1. Choose the incorrect statement from the following:

A. In birds and mammals internal fertilisation takes place

B. Colostrum contains antibodies and nutrients

C. Polyspermy is prevented by the chemical changes in the egg surface

D. In the human female implantation occurs almost seven days after fertilisation

Answer: c



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2. Identify the wrong statement from the following:

A. High levels of estrogen triggers the ovulatory surge

B. Oogonial cells start to proliferate and give rise to functional ova in regular cycles from puberty onwards.

C. Sperms released from seminiferous tubules are poorly motile/ non-motile

D. Progesterone level is high during the post ovulatory phase of menstrual cycle

Answer: b



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3. Spot the odd one out from the following structures with reference to the male reproductive system :

A. Rete testis

B. Epididymis

C. Vasa efferentia

D. Isthmus

Answer: d



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4. Seminal plasma, the fluid part of semen, is contributed by.

(i) Seminal vesicle (ii) Prostate (iii) Urethra (iv)

Bulbourethral gland

A. i and ii

B. i, ii and iv

C. ii, iii and iv

D. i and iv

Answer: b



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5. Spermiation is the process of the release of sperms from:

A. Seminiferous tubules

B. Vas deferens

C. Epididymis

D. Prostate gland

Answer: a



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6. Mature Graafian follicle is generally present in the ovary of a healthy human female around day:

- A. 5 - 8 day of menstrual cycle
- B. 11 - 17 day of menstrual cycle
- C. 18 - 23 day of menstrual cycle
- D. 24 - 28 day of menstrual cycle

Answer: b



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7. Acrosomal reaction of the sperm occurs due to :

A. its contact with zona pellucida of the ova

B. reactions within the uterine environment of the female

C. reactions within the epididymal environment of the male

D. androgens produced in the uterus

Answer: a



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8. Which one of the following is not a male accessory gland ?

- A. Seminal vesicle
- B. Ampulla
- C. Prostate
- D. Bulbourethral gland

Answer: b



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9. The immature male germ cell undergoes division to produce sperms by the process of spermatogenesis. Choose the correct one with reference to above.

A. Spermatogonia have 46 chromosomes and always undergo meiotic cell division

B. Primary spermatocytes divide by mitotic cell division

C. Secondary spermatocytes have 23 chromosomes and undergo second meiotic division

D. Spermatozoa are transformed into spermatids

Answer: c



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10. Match between the following representing parts of the sperm and their functions and choose the correct option.

Col. A	Col. B
(a) Head	(i) Enzymes
(b) Middle piece	(ii) Sperm motility
(c) Acrosome	(iii) Energy
(d) Tail	(iv) Genetic material

A. A-ii, B-iv, C-i, D-iii

B. A-iv, B-iii, C-i, D-ii

C. A-iv, B-i, C-ii, D-iii

D. A-ii, B-i, C-iii, D-iv

Answer: b



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11. Which among the following has 23 chromosomes?

- A. Spermatogonia
- B. Zygote
- C. Secondary oocyte
- D. Oogonia

Answer: c



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12. Match the following and choose the correct options:

- | | |
|---------------------|---|
| (a) Trophoblast | (i) Embedding of blastocyst in the endometrium |
| (b) Cleavage | (ii) Group of cells that would differentiate as embryo |
| (c) Inner cell mass | (iii) Outer layer of blastocyst attached to the endometrium |
| (d) Implantation | (iv) Mitotic division of zygote |

A. A-ii, B-i, C-iii, D-iv

B. A-iii, B-iv, C-ii, D-i-

C. A-iii, B-iv, C-ii, D-i

D. A-ii, B-iv, C-iii, D-i

Answer: b



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13. Which of the following hormones is not secreted by human placenta?

A. hCG

B. Estrogens

C. Progesterone

D. LH

Answer: d



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14. The vas deferens receives duct from the seminal vesicle and opens into urethra as :

A. epididymis

B. ejaculatory duct

C. efferent ductule

D. ureter

Answer: b



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15. Urethral meatus refers to the :

A. urinogenital duct

B. opening of vas deferens into urethra

C. external opening of the Urinogenital duct

D. muscles surrounding the urinogenial duct

Answer: c



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16. Morula is a developmental stage:

A. between the zygote and blastocyst

B. between the blastocyst and gastrula

C. after the implantation

D. between implantation and parturition

Answer: a



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17. The cellular cover of the ovum at ovulation is

A. Corona radiata

B. Zona radiata

C. Zona pellucida

D. Chorion

Answer: a



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18. Identify the odd one from the following:

A. Labia minora

B. Fimbriae

C. Infundibulum

D. Isthmus

Answer: a



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