



Test / Exam Name: Reproduction - Unit Test

Standard: 12th Science

Subject: Biology

Student Name: _____

Section: _____

Roll No.: _____

Questions: 35

Time: 35:00 hh:mm

Negative Marks: 1

Marks: 35

Instructions

1. Candidates are required to fill the information carefully. Please follow the instructions levied by the invigilator. Handover the answer sheet to invigilator after the completion of exam. Use of Unfair means is strictly prohibited.. All the best for your exam!

- Q1.Which one of the following statement is incorrect about menstruation?

1 Mark

A During normal menstruation about 40 mL blood is lost.

B The menstrual fluid can easily clot.

C At menopause in the female, there is especially abrupt increase in gonadotropic hormones.

D The beginning of the cycle of menstruation is called menarche.
- Q2.The outermost and innermost wall layers of microsporangium in an anther are respectively.

1 Mark

A Epidermis and middle layer.

B Epidermis and tapetum.

C Epidermis and endodermis.

D Endothecium and tapetum.
- Q3.In monocots, male gametophyte is:

1 Mark

A Microspore

B Megaspore

C Tetrad

D Nucellus
- Q4.Biologically most resistant plant material is:

1 Mark

A Sporopollenin

B Lignin

C Suberin

D Cutin
- Q5.The estrus cycle is a characteristic of.

1 Mark

A Human males only.

B Human females only.

C Mammalian males other than primates.

D Mammalian females other than primates.
- Q6.Identify the odd one from the following:

1 Mark

A Labia minora.

B Fimbriae.

C Infundibulum.

D Isthmus.
- Q7.In ginger vegetative propagation occurs through.

1 Mark

A Rhizome.

B Offsets.

C Bulbils.

D None of these.
- Q8.Urethral meatus refers to the:

1 Mark

A Urinogenital duct.

B Opening of vas deferens into urethra.

C External opening of the urinogenital duct.

D Muscles surrounding the urinogenital duct.
- Q9.Cells of Leydig are found in:

1 Mark

A Kidney of rabbit

B Kidney of frog

C Testis of frog

D Testis of rabbit
- Q10.In which method, collected ovum and sperm are placed inside the woman's oviduct?

1 Mark

A Artificial insemination

B Intra-cytoplasmic sperm injection

C In vitro fertilization

D Gamete intrafallopian transfer
- Q11.Spermiogenesis/ spermateleosis is formation of spermatozoa from:

1 Mark

A Primary spermatocyte

B Secondary spermatocyte

C Spermatids

D Germinal cells of testes
- Q12.Which of the following contraceptive also provides protection from contacting STDs and AIDS?

1 Mark

A Diaphragms.

B Spermicidal foams.

C Condoms.

D Lactational amenorrhoea.
- Q13.The phenomenon observed in some plants wherein parts of the sexual apparatus is used for forming embryos without fertilisation is called:

1 Mark

A Parthenocarpy.

B Apomixis.

C Vegetative propagation.

D Sexual reproduction.
- Q14.Which of the following statements is true?

1 Mark

A A sterile male can make a woman pregnant.

B A infertile woman is always sterile.

C Infertility is not always a biological issue.

D None of the above.
- Q15.MTP is misused for:

1 Mark

A Abortion

B Female foeticide

C Miscarriage

D Both (A) and (B)
- Q16.Transfer of pollen from anthers of one flower to the stigma of another flower of the same plant is called:

1 Mark

A Geitonogamy

B Xenogamy

C Dichogamy

D Dicliny
- Q17.When the pollen of a flower is transferred to the stigma of another flower on the same plant, the process is known as:

1 Mark

A Geitonogamy.

B Autogamy.

C Both.

D None of these.

- Q18.**Corpus luteum produces **1 Mark**
- A** Progesterone. **B** Testosterone. **C** Estrogen. **D** All of these.
- Q19.**Assured seed set is possible even in absence of pollinators, when pollination is: **1 Mark**
- A** Chasmogamous **B** Cleistogamous **C** Geitonogamous **D** Xenogamous
- Q20.**Choose the correct statement regarding the ZIFT procedure: **1 Mark**
- A** Ova collected from a female donour are transferred to the fallopian tube to facilitate zygote formation.
B Zygote is collected from a female donour and transferred to the fallopian tube.
C Zygote is collected from a female donour and transferred to the uterus.
D Ova collected from a female donour and transferrerd to the uterus.
- Q21.**Which one of the following is not an STD? **1 Mark**
- A** Huntington disease **B** Gonorrhoea **C** AIDS **D** Syphilis
- Q22.**What is the expansion for MTP? **1 Mark**
- A** Mechanical Transfer of Pollen. **B** Maternally Transmitted Pathogens. **C** Medical Termination of Pregnancy.
D Medical Termination of Parturition.
- Q23.**Apomixis is a type of reproduction that results is the development of a/an. **1 Mark**
- A** New organism from fusion products of gametes. **B** New organism without fusion of gametes.
C Embryo from endosperm. **D** None of these.
- Q24.**ZIFT is transfer of: **1 Mark**
- A** Zygote into fallopian tube. **B** Embryo into uterus. **C** Mixture of sperms and ova into fallopian tube.
D Mixture of sperms and ova into uterus.
- Q25.**Embryo sac is to ovule as _____ is to an anther. **1 Mark**
- A** Stamen. **B** Filament. **C** Pollen grain. **D** Androecium.
- Q26.**For two statements are given-one labelled Assertion and the other labelled Reason. Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below. **1 Mark**
- Assertion:** In morula stage, the cells divide without any increase in size.
Reason: Zona pellucida remains undivided till cleavage is complete.
- A** Both assertion and reason are true, and reason is the correct explanation of assertion.
B Both assertion and reason are true, but reason is not the correct explanation of assertion.
C Assertion is true, but reason is false. **D** Both assertion and reason are false.
- Q27.**Which of the following is a problem related to reproductive health in India? **1 Mark**
- A** Taboos **B** Early marriage **C** Elephantiasis **D** Both A and B
- Q28.**Pine apple fruit develops from. **1 Mark**
- A** A unilocular polycarpellary flower. **B** A multipistillate syncarpous flower.
C A cluster of compactly borne flowers on a common axis. **D** A multilocular monocarpellary flower.
- Q29.**For two statements are given-one labelled Assertion and the other labelled Reason. Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below. **1 Mark**
- Assertion:** Chasmogamous flowers require pollinating agents.
Reason: Cleistogamous flowers do not expose their sex organs.
- A** Both assertion and reason are true, and reason is the correct explanation of assertion.
B Both assertion and reason are true, but reason is not the correct explanation of assertion.
C Assertion is true, but reason is false. **D** Both assertion and reason are false.
- Q30.**For two statements are given-one labelled Assertion and the other labelled Reason. Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below. **1 Mark**
- Assertion:** Cilia lining the fallopian tube helps to pick up and push the released ovum into the oviduct.
Reason: Cilia of fallopian tubes beat towards uterus.
- A** Both assertion and reason are true, and reason is the correct explanation of assertion.
B Both assertion and reason are true, but reason is not the correct explanation of assertion.
C Assertion is true, but reason is false. **D** Both assertion and reason are false.
- Q31.**In human female the blastocyst: **1 Mark**
- A** Gets implanted into uterus 3 days after ovulation.
B Gets nutrition from uterine endometrial secretion only after implantation.
C Gets implanted in endometrium by the trophoblast cells. **D** Forms placenta even before implantation.
- Q32.**Deficiency of Vitamin E brings about: **1 Mark**
- A** Scurvy **B** Beri - Beri **C** Slow clotting of blood **D** Impotency
- Q33.** **1 Mark**

For two statements are given-one labelled Assertion and the other labelled Reason. Select the correct answer to these questions from the codes (a), (b), (c) and (d) as given below.

Assertion: Fetal chromosomal disorders can be diagnosed by chorionic villi sampling.

Reason: Karyotyping can be done for mitotically dividing cells of chorionic villi.

- A** Both assertion and reason are true, and reason is the correct explanation of assertion.
- B** Both assertion and reason are true, but reason is not the correct explanation of assertion.
- C** Assertion is true, but reason is false.
- D** Both assertion and reason are false.

Q34.Infertility in males can be caused due to:

1 Mark

- A** Cryptorchidism
- B** Alcoholism
- C** Thyroid dysfunction
- D** All of the above

Q35.Beginning of embryonic development in the egg is indicated by.

1 Mark

- A** Cleavage
- B** Differentiation
- C** Polarity
- D** Organogenesis