BIOLOGY

BOOKS - TARGET PUBLICATION

LIFE PROCESSES IN LIVING ORGANISM

PART-2

Choose The Correct Alternative

1. The life process which does not help the organism to remain alive, but helps to

maintain the continuity of the species is

A. nutriton

B. respiration

C. reproduction

D. control and co-ordination

Answer: C

Watch Video Solution

2. During asexual reproduction, cell divide by the process of

A. mitosis

B. meiosis

C. fertilization

D. double fertilization

Answer: A

Watch Video Solution

3. Which of the following is asexual method of reproduction ?

A. Division

B. Budding

C. Spore formation

D. All of these

Answer: D

Watch Video Solution

4. Paramoecium divides by

A. transverse binary fission

B. longitudinal binary fission

C. simple binary fission

D. regeneration

Answer: A

 Watch Video Solution

5. The property of regeneration is observed in

A. Humans

B. Planaria

C. Yeast

D. Amoeba

Answer: B

Watch Video Solution

6. Under favourable condition, Hydra reproduces by process of_____.

A. Binary fission

B. Budding

C. Multiple division

D. None of these

Answer: B

Watch Video Solution

7. _____ is the structure inside which spores of bread mould are formed.

Watch Video Solution

8. The number of chromosome gets _____ in meiosis.

Watch Video Solution

9. Androecium and _____ are the essential whorls.

A. Calyx

B. Corolla

C. Petals

D. Gynoecium

Answer: D

Watch Video Solution

10. Unisexual flower shows presence of

A. both androecium and gynoecium

B. only androecium

C. only gyoecium

D. either and raecium or gynoecium

Answer: D

Watch Video Solution

11. Each pollen tube contains

A. two male gametes

B. three male gametes

C. one female gamete

D. one male and one female gametes

Answer: A

 Watch Video Solution

12. In plants, second male gamete fuses with two polar nuclei to form _____

A. zygote

B. embryo

C. embryo sac

D. endosperm

Answer: D

Watch Video Solution

13. During seed germination _____ develops by using food stored in endosperm of the seed.

A. ovary

B. zygote

C. ovule

D. radical

Answer: B

 Watch Video Solution

14. _____ is the union of sperm and ovum to initiate formation of a zygoe.

A. Meiosis

B. Mitosis

C. Fertilization

D. Germination

Answer: C

Watch Video Solution

15. The length of a sperm is about _____ micrometers.

A. 400

B. 5

C. 60

D. 600

Answer: C

Watch Video Solution

16. In humans, sperm production occurs in the _____.

A. Penis

B. Testes

C. Vas deferens

D. Ureters

Answer: B

Watch Video Solution

17. _____ present in semen gives energy to the sperms.

A. Fructose

B. Testosterone

C. Estrogen

D. Progesterone

Answer: A

Watch Video Solution

18. In females, ovary usually releases _____ egg / s each month.

A. one

B. two

C. three

D. four

Answer: A

 Watch Video Solution

19. Implantation of embryo occurs in _____.

A. oviduct

B. ovaries

C. uterus

D. vagina

Answer: C

Watch Video Solution

20. _____ supplies food material to the developing embryo in uterus.

A. Corpus luteum

B. Endometrium

C. Follicle

D. Placenta

Answer: D

Watch Video Solution

21. If oocyte is not fertilized withing 24 hours, corpus luteum becomes inactive and transforms into

A. endometrium

B. follicle

C. corpusalbicans

D. none of these

Answer: C

Watch Video Solution

22. _____are ways of family planning.

A. To take contraceptive tablets

B. To use Nirodh (Condom)

C. To install copper-T

D. All of these

Answer: D

Watch Video Solution

23. The life process which does not help the organism to remain alive, but helps to maintain the continuity of the species is

A. nutriton

B. respiration

C. reproduction

D. control and co-ordination

Answer: C

Watch Video Solution

24. During asexual reproduction, cell divide by the process of

A. mitosis

B. meiosis

C. fertilization

D. double fertilization

Answer: A

Watch Video Solution

25. Which of the following is asexual method of reproduction ?

A. Division

B. Budding

C. Spore formation

D. All of these

Answer: D

Watch Video Solution

26. Paramoecium divides by

A. transverse binary fissioni

B. longitudinal binary fission

C. simple binary fission

D. regeneration

Answer: A

Watch Video Solution

27. The property of regeneration is observed in

A. Humans

B. Planaria

C. Yeast

D. Amoeba

Answer: B

Watch Video Solution

28. Under favourable condition, Hydra reproduces by process of_____.

A. Binary fission

B. Budding

C. Multiple division

D. None of these

Answer: B

Watch Video Solution

29. _____ is the structure inside which spores of bread mould are formed.

Watch Video Solution

30. The number of chromosome gets _____ in meiosis.

Watch Video Solution

31. Androecium and _____ are the essential whorls.

A. Calyx

B. Corolla

C. Petals

D. Gynoecium

Answer: D

Watch Video Solution

32. Unisexual flower shows presence of

A. both androecium and gynoecium

B. only androecium

C. only gyoecium

D. either androecium or gynoecium

Answer: D

Watch Video Solution

33. Each pollen tube contains

A. two male gametes

B. three male gametes

C. one female gamete

D. one male and one female gametes

Answer: A

Watch Video Solution

34. In plants, second male gamete fuses with two polar nuclei to form _____

A. zygote

B. embryo

C. embryo sac

D. endosperm

Answer: D

Watch Video Solution

35. During seed germination _____ develops by using food stored in endosperm of the seed.

A. ovary

B. zygote

C. ovule

D. radical

Answer: B

Watch Video Solution

36. _____ is the union of sperm and ovum to initiate formation of a zygoe.

A. Meiosis

B. Mitosis

C. Fertilization

D. Germination

Answer: C

Watch Video Solution

37. The length of a sperm is about _____ micrometers.

A. 400

B. 5

C. 60

D. 600

Answer: C

 Watch Video Solution

38. In humans, sperm production occurs in the _____.

A. Penis

B. Testes

C. Vas deferens

D. Ureters

Answer: B

Watch Video Solution

39. _____ present in semen gives energy to the sperms.

A. Fructose

B. Testosterone

C. Estrogen

D. Progesterone

Answer: A

 Watch Video Solution

40. In females, ovary usually releases _____ egg / s each month.

A. one

B. two

C. three

D. four

Answer: A

Watch Video Solution

41. Implantation of embryo occurs in _____.

A. oviduct

B. ovaries

C. uterus

D. vagina

Answer: C

Watch Video Solution

42. _____ supplies food material to the developing embryo in uterus.

A. Corpus luteum

B. Endometrium

C. Follicle

D. Placenta

Answer: D

Watch Video Solution

43. If oocyte is not fertilized withing 24 hours, corpus luteum becomes inactive and transforms into

A. endometrium

B. follicle

C. corpusalbicans

D. none of these

Answer: C

Watch Video Solution

44. _____are ways of family planning.

A. To take contraceptive tablets

B. To use Nirodh (Condom)

C. To install copper-T

D. All of these

Answer: D

Watch Video Solution

Complete The Paragraph

1. The female reproductive system ovidust a pair of ovaries and _____ along with a single _____ and a vagina. Besides these , a pair of _____ glands is also present. From puberty, an ovum is released every month alternately from each _____ until _____ that occurs around 40-50 years of in females. The free end of the oviduct is _____ shaped.

Watch Video Solution

2. Growth of follicles present in the ovary occurs under the effect of _____.This follicle secretes estrogen._____ grows /regenerates under the effect of estrogen. Under the effect of _____ fully grown up follicle bursts, ovulation occurs and _____is formed from remaining part of follicle . It secretes_____ and _____. Under the effect of these hormones, glands of_____ are

activated and it becomes ready for implantation.

 Watch Video Solution

3. The female reproductive system ovidust a pair of ovaries and _____ along with a single _____ and a vagina. Besides these , a pair of _____ glands is also present. From puberty, an ovum is released every month alternately from each _____ until _____ that occurs around 40-50

years of in females. The free end of the oviduct is _____ shaped.

Watch Video Solution

4. Growth of follicles present in the ovary occurs under the effect of _____.This follicle secretes estrogen._____ grows /regenerates under the effect of estrogen. Under the effect of _____ fully grown up follicle bursts, ovulation occurs and _____is formed from remaining part

of follicle . It secretes_____ and _____. Under the effect of these hormones, glands of_____ are activated and it becomes ready for implantation.

Watch Video Solution

Name The Following

1. Formation of new organism of same species by earlier existing organism

Watch Video Solution

2. The structural unit of sexual reproduction in plants

Watch Video Solution

3. Vegetative parts of a plant.

Watch Video Solution

4. Four floral whorls

Watch Video Solution

5. The female reproductive part of the flower.

Watch Video Solution

6. The elongated part of carpel bearing stigma at its tip.

Watch Video Solution

7. The process through which seeds develop into seedlings.

Watch Video Solution

8. Organs of human male reproductive system which are not paired.

Watch Video Solution

9. Hormones related with malle reproductive system.

Watch Video Solution

10. Hormones secreted by ovary of female reproductive system.

Watch Video Solution

11. Types of twins.

Watch Video Solution

12. The types of disease which spread from one infected person to another, through unprotected sexual contact.

Watch Video Solution

13. Any two sexually transmitted diseases.

Watch Video Solution

14. Methods of family planning.

Watch Video Solution

15. A person's state of physical, mental and social well being.

Watch Video Solution

16. Formation of new organism of same species by earlier existing organism

Watch Video Solution

17. The structural unit of sexual reproduction in plants

Watch Video Solution

18. Vegetative parts of a plant.

Watch Video Solution

19. Four floral whorls

Watch Video Solution

20. The female reproductive part of the flower.

Watch Video Solution

21. The elongated part of carpel bearing stigma at its tip.

Watch Video Solution

22. The process through which seeds develop into seedlings.

Watch Video Solution

23. Organs of human male reproductive system which are not paired.

Watch Video Solution

24. Hormones related with malle reproductive system.

Watch Video Solution

25. Hormones secreted by ovary of female reproductive system.

Watch Video Solution

26. Types of twins.

Watch Video Solution

27. The types of disease which spread from one infected person to another, through unprotected sexual contact.

Watch Video Solution

28. Any two sexually transmitted diseases.

Watch Video Solution

29. Methods of family planning.

Watch Video Solution

30. A person's state of physical, mental and social well being.

Watch Video Solution

True Or False

1. Asexual type of reproduction occurs without fusion of gametes.

 Watch Video Solution

2. Daughter cells produced by asexual reproduction are genetically identical to the parent cells.

 Watch Video Solution

3. Asexual reproduction is a faster process as compared to sexual reproduction.

Watch Video Solution

4. Binary fission is usually performed by Amoeba when there is lack of food or any other type of adverse condition.

Watch Video Solution

5. Asexual reproduction occurs by budding in yeast.

Watch Video Solution

6. Body breaks up into several fragments and each fragment starts to live as a new individual. This is asexual (fragmentation) type of reproduction.

Watch Video Solution

7. Spirogyra reproduces by framentation.

8. New fungal colonies are formed bygermination of spores in hot and dry places.

9. Gametes are formed by meiotic division.

10. Sexual mode of reproduction, generates greater diversity.

Watch Video Solution

11. Androecium and gynoecium are called accessory whorls of flower.

Watch Video Solution

12. Members of calyx are called as sepals.

Watch Video Solution

13. Pollen grains are formed by meiotic division in locules of anthers.

Watch Video Solution

14. Hibiscus is an example of unisexual flower.

Watch Video Solution

15. Testes are present in the scrotum, outside the abdominal cavity.

Watch Video Solution

16. Semen is ejaculated out through penis.

Watch Video Solution

17. Cilia present on inner surface of oviduct push the oocyte towards uterus.

Watch Video Solution

18. In humans, Y chromosome is responsible for maleness.

Watch Video Solution

19. At the time of birth , female ovary contains millions of immature oocytes.

Watch Video Solution

20. Menstrual cycle temporarily ceases till parturition and thereafter for the period of breast feeding.

Watch Video Solution

21. Monozygotic twins are exactly similar in their appearance and their gender is also same.

Watch Video Solution

22. Gender of dizygotic twins is always same.

Watch Video Solution

23. Asexual type of reproduction occurs without fusion of gametes.

Watch Video Solution

24. Daughter cells produced by asexual reproduction are genetically identical to the parent cells.

Watch Video Solution

25. Asexual reproduction is a faster process as compared to sexual reproduction.

Watch Video Solution

26. Binary fission is usually performed by Amoeba when there is lack of food or any other type of adverse condition.

Watch Video Solution

27. Asexual reproduction occurs by budding in yeast.

Watch Video Solution

28. Body breaks up into several fragments and each fragment starts to live as a new individual. This is asexual (fragmentation) type of reproduction.

Watch Video Solution

29. Spirogyra reproduces by framentation.

30. New fungal colonies are formed bygermination of spores in hot and dry places.

31. Gametes are formed by meiotic division.

32. Sexual mode of reproduction, generates greater diversity.

Watch Video Solution

33. Androecium and gynoecium are called accessory whorls of flower.

Watch Video Solution

34. Members of calyx are called as sepals.

Watch Video Solution

35. Pollen grains are formed by meiotic division in locules of anthers.

Watch Video Solution

36. Hibiscus is an example of unisexual flower.

Watch Video Solution

37. Testes are present in the scrotum, outside the abdominal cavity.

Watch Video Solution

38. Semen is ejaculated out through penis.

Watch Video Solution

39. Cilia present on inner surface of oviduct push the oocyte towards uterus.

Watch Video Solution

40. In humans, Y chromosome is responsible for maleness.

Watch Video Solution

41. At the time of birth , female ovary contains millions of immature oocytes.

Watch Video Solution

42. Menstrual cycle temporarily ceases till parturition and thereafter for the period of breast feeding.

Watch Video Solution

43. Monozygotic twins are exactly similar in their appearance and their gender is also same.

Watch Video Solution

44. Gender of dizygotic twins is always same.

Watch Video Solution

Odd One Out

1. Amoeba,Euglena, Paramoecium, Hydra

Watch Video Solution

2. Stigma, Style, Ovary , Anther

Watch Video Solution

3. Egg cell, Polar nuclei,Pollen tube, Antipodals

Watch Video Solution

4. Vagina, Uterus, Vas deferens,Ovary

Watch Video Solution

5. Syphilis, Gonorrhea, Tuberculosis,AIDS

Watch Video Solution

6. Amoeba,Euglena, Paramoecium, Hydra

Watch Video Solution

7. Stigma, Style, Ovary , Anther

Watch Video Solution

8. Egg cell, Polar nuclei,Pollen tube, Antipodals

Watch Video Solution

9. Vagina, Uterus, Vas deferens,Ovary

Watch Video Solution

10. Syphilis, Gonorrhea, Tuberculosis,AIDS

Watch Video Solution

Complete The Analogy

1. Transverse binary fission : Paramoecium : :

Longitudinal binary fission :_____.

Watch Video Solution

2. Vegetative propagation by stem : Potato

: : _____: Bryophyllum

Watch Video Solution

3. Root,stem, leaf : Vegaetative propagation

: : Flower :_____.

Watch Video Solution

4. Fragmentation : Multicellular organism : : Binary fission :_____.

Watch Video Solution

5. Essential whorls of flower : Reproduction : : Accessory whorls of flower :_____.

Watch Video Solution

6. Pedicel present : Pedicellate flower : : Pedicel absent :_____.

Watch Video Solution

7. Female reproductive part : Carpel : : Male reproductive part :_____.

Watch Video Solution

8. Ovary : Fruit : : Ovules :_____.

Watch Video Solution

9. Fusion of male and female gamete : Zygote : : Fusion of second male gamete and two polar nuclei :_____

Watch Video Solution

10. Autosomes : 22 pairs : : Sexchromosomes :_____.

Watch Video Solution

11. Male : 44 Autosomes + XY : : Female :_____

Watch Video Solution

12. Transverse binary fission : Paramoecium : : Longitudinal binary fission :_____.

Watch Video Solution

13. Vegetative propagation by stem : Potato

: : _____: Bryophyllum

Watch Video Solution

14. Root,stem, leaf : Vegaetative propagation

: : Flower :_____.

Watch Video Solution

15. Fragmentation : Multicellular organism : : Binary fission :_____.

Watch Video Solution

16. Essential whorls of flower : Reproduction : : Accessory whorls of flower :_____.

Watch Video Solution

17. Pedicel present : Pedicellate flower : : Pedicel absent :_____.

Watch Video Solution

18. Female reproductive part : Carpel : : Male reproductive part :_____.

Watch Video Solution

19. Ovary : Fruit : : Ovules :_____.

Watch Video Solution

20. Fusion of male and female gamete : Zygote : : Fusion of second male gamete and two polar nuclei :_____

Watch Video Solution

21. Autosomes : 22 pairs : : Sexchromosomes :_____.

Watch Video Solution

22. Male : 44 Autosomes + XY : : Female :_____

Watch Video Solution

Answer The Following

1. What is asexual reproduction ?

Watch Video Solution

2. What is the advantage and disadvantage of asexual reproduction ?

Watch Video Solution

3. Explain with example types of asexual reproduction in unicellular organism.

Watch Video Solution

4. Write a short note on binary fission.

Watch Video Solution

5. Writea short note on multiple fission.

Watch Video Solution

6. Write a short note on budding in yeast.

Watch Video Solution

7. What is meant by 'cyst ' in Amoeba ?

Watch Video Solution

8. What changes occur in Amoeba to survive in adverse conditions?

Watch Video Solution

9. Write a short note on the following diagram.

View Text Solution

10. Explain regeneration giving two examples.

Watch Video Solution

11. Explain asexual reproduction in plants ?

Watch Video Solution

12. Explain with examples different methods of asexual reproduction in plants.

Watch Video Solution

13. Seeds of some plants do not germinate. How are the next generation formed ?

Watch Video Solution

14. What is sexual reproduction ? Explain the two main processes involved in sexual reproduction.

Watch Video Solution

15. Explain sexual reproduction in plants.

Watch Video Solution

16. What is the function of sigma in reproduction ?

Watch Video Solution

17. Define pollination.

Watch Video Solution

18. Write a short note on Pollination.

Watch Video Solution

19. In case of sexual reproduction, newborn shows similarities about characters. Explain this statement with suitable examples.

Watch Video Solution

20. How do the characteristics of mother and father get transmitted in a human embryo ?

Watch Video Solution

21. Explain how sperms are formed from testes and transported to urinogenital duct.

Watch Video Solution

22. Why male reproductive system is called as urinogenitial system ?

Watch Video Solution

23. Secretion of which glands consitute the semen?

Watch Video Solution

24. Which are the paired structures of male reproductive system ?

Watch Video Solution

25. What is the pathway of sperm in female reproductive system to reach ovum for fertilization ?

Watch Video Solution

26. In humans,germ cells are diploid but sperm and oocytes are haploid. Explain the given statement in detail.

Watch Video Solution

27. How meiotic division occurs at different time in sperm and oocyte ?

Watch Video Solution

28. What happens after fertilization of ovum ?

Watch Video Solution

29. Prepare a slogan for campaign agains female foeticide.

Watch Video Solution

30. What is menstrual cycle ? Describe it in brief.

Watch Video Solution

31. What is menopause ?

Watch Video Solution

32. Explain the concept of IVF.

Watch Video Solution

33. Write a short note on IVF technique.

Watch Video Solution

34. Modern techniques like surrogacy (surrogate mother), sperm bank and IVF technique will help the human beings. Justify this statement.

Watch Video Solution

35. Despite of various diagnostic test, a couple could not have a child. In this situtation, which

remedies will you suggest ?

36. Write a short note on sperm bank.

37. What are twins ? Explain the two types of twins.

38. Write a short note on monzygotic twins.

Watch Video Solution

39. Write a short note dizygotic twins.

Watch Video Solution

40. Write short note Siamese twins.

Watch Video Solution

41. What are the reasons behind lack of awareness regarding reproductive health in our country ?

Watch Video Solution

42. Which precaution will you follow to maintain the reproductive health ?

Watch Video Solution

43. Write any four symptoms of syphilis and gonorrhea.

Watch Video Solution

44. In our country , there seems to be lack of awareness regarding reproductive health. Why ?

Watch Video Solution

45. Write the symptoms of disease gonorrhea.

Watch Video Solution

46. What precautions will you take maintain reproductive health ?

Watch Video Solution

47. Find the odd one out.

Seminal vesicle, Epididymis, Penis ,Bartholin's

gland

Watch Video Solution

48. Complete the analogy .

Hydra : Budding : : Spirogyra :_____ .

Watch Video Solution

49. Name the following :

The part of human male reproductive system that contains numerous seminiferous tubules.

Watch Video Solution

50. Write a short note on Budding in Hydra.

Watch Video Solution

51. Mention any three measures that should be followed order to maintain reproductive health.

Watch Video Solution

52. Fill in the blanks by selecting the correct word from the bracket and complete the given paragraph .

(semen, external, placenta,urinogenital duct, oviduct, ovum , internal, sperm,zygote, embryo)

_____ is ejaculated in vagina and passes to uterus and then to _____. In humans, fertilization is_____. In fertilization, _____ is formed by fusion of _____ and ovum and then

it undergoes repeated mitotic divisions to form _____.

Watch Video Solution

53. Sketch and label diagram showing parts of a flower and answer the following questions.

Write the function of petals.

Watch Video Solution

54. Sketch and label diagram showing parts of a flower and answer the following questions.

Which is the male whorl of a flower ?

Watch Video Solution

55. Sketch and label diagram showing parts of a flower and answer the following questions.

Which part of flower contains ovules ?

Watch Video Solution

56. What is asexual reproduction ?

Watch Video Solution

57. What is the advantage and disadvantage of asexual reproduction ?

Watch Video Solution

58. Explain with example types of asexual reproduction in unicellular organism.

Watch Video Solution

59. Write a short note on binary fission.

Watch Video Solution

60. Writea short note on multiple fission.

Watch Video Solution

61. Write a short note on budding in yeast.

Watch Video Solution

62. What is meant by 'cyst ' in Amoeba ?

Watch Video Solution

63. What changes occur in Amoeba to survive in adverse conditions?

Watch Video Solution

64. Write a short note on the following diagram.

View Text Solution

65. Explain regeneration giving two examples.

Watch Video Solution

66. Explain asexual reproduction in plants ?

Watch Video Solution

67. Explain with examples different methods of asexual reproduction in plants.

Watch Video Solution

68. Seeds of some plants do not germinate. How are the next generation formed ?

Watch Video Solution

69. What is sexual reproduction ? Explain the two main processes involved in sexual reproduction.

Watch Video Solution

70. Explain sexual reproduction in plants.

Watch Video Solution

71. What is the function of sigma in reproduction ?

Watch Video Solution

72. Define pollination.

Watch Video Solution

73. Write a short note on Pollination.

Watch Video Solution

74. In case of sexual reproduction, newborn shows similarities about characters. Explain this statement with suitable examples.

Watch Video Solution

75. How do the characteristics of mother and father get transmitted in a human embryo ?

Watch Video Solution

76. Explain how sperms are formed from testes and transported to urinogenital duct.

Watch Video Solution

77. Why male reproductive system is called as urinogenitial system ?

Watch Video Solution

78. Secretion of which glands consitute the semen?

Watch Video Solution

79. Which are the paired structures of male reproductive system ?

Watch Video Solution

80. What is the pathway of sperm in female reproductive system to reach ovum for fertilization ?

Watch Video Solution

81. In humans,germ cells are diploid but sperm and oocytes are haploid. Explain the given statement in detail.

Watch Video Solution

82. How meiotic division occurs at different time in sperm and oocyte ?

Watch Video Solution

83. What happens after fertilization of ovum ?

Watch Video Solution

84. Prepare a slogan for campaign agains female foeticide.

Watch Video Solution

85. What is menstrual cycle ? Describe it in brief.

Watch Video Solution

86. What is menopause ?

Watch Video Solution

87. Explain the concept of IVF.

Watch Video Solution

88. Write a short note on IVF technique.

Watch Video Solution

89. Modern techniques like surrogacy (surrogate mother), sperm bank and IVF

technique will help the human beings. Justify this statement.

Watch Video Solution

90. Despite of various diagnostic test, a couple could not have a child. In this situtation, which remedies will you suggest ?

Watch Video Solution

91. Write a short note on sperm bank.

Watch Video Solution

92. What are twins ? Explain the two types of twins.

Watch Video Solution

93. Write a short note on monzygotic twins.

Watch Video Solution

94. Write a short note dizygotic twins.

Watch Video Solution

95. Write short note Siamese twins.

Watch Video Solution

96. In our country , there seems to be lack of awareness regarding reproductive health. Why ?

Watch Video Solution

97. Which precaution will you follow to maintain the reproductive health ?

Watch Video Solution

98. Write any four symptoms of syphilis and gonorrhea.

Watch Video Solution

99. In our country , there seems to be lack of awareness regarding reproductive health. Why ?

Watch Video Solution

100. Write the symptoms of disease gonorrhea.

Watch Video Solution

101. What precautions will you take maintain reproductive health ?

Watch Video Solution

102. Find the odd one out.

Seminal vesicle, Epididymis, Penis ,Bartholin's gland

Watch Video Solution

103. Complete the analogy .

Hydra : Budding : : Spirogyra :_____ .

Watch Video Solution

104. Name the following :

The part of human male reproductive system that contains numerous seminiferous tubules.

Watch Video Solution

105. Write a short note on Budding in Hydra.

Watch Video Solution

106. Mention any three measures that should be followed order to maintain reproductive health.

Watch Video Solution

107. Fill in the blanks by selecting the correct word from the bracket and complete the given paragraph .

(semen, external, placenta,urinogenital duct, oviduct, ovum , internal, sperm,zygote, embryo)

_____ is ejaculated in vagina and passes to uterus and then to _____. In humans, fertilization is_____. In fertilization, _____ is formed by fusion of _____ and ovum and then

it undergoes repeated mitotic divisions to form _____.

Watch Video Solution

108. Sketch and label diagram showing parts of a flower and answer the following questions.

Write the function of petals.

Watch Video Solution

109. Sketch and label diagram showing parts of a flower and answer the following questions.

Which is the male whorl of a flower ?

Watch Video Solution

110. Sketch and label diagram showing parts of a flower and answer the following questions.

Which part of flower contains ovules ?

Watch Video Solution

Give Reasons

1. Fertilization in flowering plants is called double fertilization.

Watch Video Solution

2. Birth defects are more common among children born to older women.

Watch Video Solution

3. Gender of child is determined by the male partner of couple. Explain with reasons whether this statement is true or false.

Watch Video Solution

4. "Gender of child is determined by the male partner of couple." Draw a diagram explaining the above statement.

Watch Video Solution

5. There is need of rest along with special personal hygiene during menstruation.

6. Fertilization in flowering plants is called double fertilization.

7. Birth defects are more common among children born to older women.

Watch Video Solution

8. Gender of child is determined by the male partner of couple. Explain with reasons whether this statement is true or false.

Watch Video Solution

9. "Gender of child is determined by the male partner of couple." Draw a diagram explaining the above statement.

Watch Video Solution

10. There is need of rest along with special personal hygiene during menstruation.

Watch Video Solution

Distinguish Between

1. Binary fission and Multiple fission

Watch Video Solution

2. Fertilization in plants and Fertilization in human beings.

Watch Video Solution

3. Binary fission and Multiple fission

Watch Video Solution

4. Fertilization in plants and Fertilization in human beings.

Watch Video Solution

Complete The Given Chart Table

1. 

View Text Solution

2. 

View Text Solution

Questions Based On Diagram

1. Draw neat and labelled diagram of Amoeba showing binary fission.

Watch Video Solution

2. Draw neat and labelled diagram of a unicellular organism showing transverse binary fission.

Watch Video Solution

3. Draw neat and labelled diagram of reproduction observed in Euglena.

Watch Video Solution

4. Sketch a labelled diagram of multiple fission in Amoeba.

Watch Video Solution

5. Draw neat and labelled diagram of a unicellular fungus representing budding.

Watch Video Solution

6. Observe the given figure 'a' and 'b' and write the differences between them.

View Text Solution

7. Draw neat and labelled diagram of budding in Hydra.

Watch Video Solution

8. Identify the labels (i,ii,iii,iv) and explain the process represented in the given diagram.

View Text Solution

9. In the following figure, explain how new fungal colonies of Mucor are formed :

View Text Solution

10. Identify and state the type of reproduction represented in the above figure.

View Text Solution

11. Draw neat labelled diagram representing the IVF technique.

Watch Video Solution

12. Sketch and label diagrams.

i. Human male reproductive system ii. Human female reproductive system

iii. Flower with its sexual reproductive system

iv. Menstrual cycle

Watch Video Solution

13. Observe the diagram given below and answer the question based on it.

Name the phases of menstrual cycle.

View Text Solution

14. Observe the diagram given below and answer the question based on it.

Identify 'X' and 'Y' shown in the diagram.

View Text Solution

15. Observe the diagram given below and answer the question based on it.

On which day of the menstrual cycle oocyte is released ?

View Text Solution

16. Draw neat and labelled diagram of Amoeba showing binary fission.

Watch Video Solution

17. Draw neat and labelled diagram of a unicellular organism showing transverse binary fission.

Watch Video Solution

18. Draw neat and labelled diagram of reproduction observed in Euglena.

Watch Video Solution

19. Sketch a labelled diagram of multiple fission in Amoeba.

Watch Video Solution

20. Draw neat and labelled diagram of a unicellular fungus representing budding.

Watch Video Solution

21. Observe the given figure 'a' and 'b' and write the differences between them.

View Text Solution

22. Draw neat and labelled diagram of budding in Hydra.

Watch Video Solution

23. Identify the labels (i,ii,iii,iv) and explain the process represented in the given diagram.

View Text Solution

24. In the following figure, explain how new fungal colonies of Mucor are formed :

View Text Solution

25. Identify and state the type of reproduction represented in the above figure.

View Text Solution

26. Draw neat labelled diagram representing the IVF technique.

Watch Video Solution

27. Sketch and label diagrams.

i. Human male reproductive system ii. Human female reproductive system

iii. Flower with its sexual reproductive system

iv. Menstrual cycle

Watch Video Solution

28. Observe the diagram given below and answer the question based on it.

Name the phases of menstrual cycle.

View Text Solution

29. Observe the diagram given below and answer the question based on it.

Identify 'X' and 'Y' shown in the diagram.

View Text Solution

30. Observe the diagram given below and answer the question based on it.

On which day of the menstrual cycle oocyte is released ?

View Text Solution

Questions Based On Paragraph

1. Swati, a 26 years old lady, living in a village was physically abused by her in -laws for delivering a baby girl for the second time. When she got pregnant for the third time her husband and in-laws forced her for the prenatal sex determination. Her in-laws got the foetus aborted when tehy found that it was a girl child and blamed her for conceiving a girl child.

Based on the given paragraph answer the

questions. Do you think it is correct to blame Swati for delivering baby girls ?

Watch Video Solution

2. Swati, a 26 years old lady, living in a village was physically abused by her in -laws for delivering a baby girl for the second time. When she got pregnant for the third time her husband and in-laws forced her for the prenatal sex determination. Her in-laws got the foetus aborted when tehy found that it

was a girl child and blamed her for conceiving a girl child.

Based on the given paragraph answer the questions.

Scientifically, who is responsible for determining the sex of a child ?

Watch Video Solution

3. Swati, a 26 years old lady, living in a village was physically abused by her in -laws for delivering a baby girl for the second time.

When she got pregnant for the third time her husband and in-laws forced her for the prenatal sex determination. Her in-laws got the foetus aborted when tehy found that it was a girl child and blamed her for conceiving a girl child.

Based on the given paragraph answer the questions.

Make a chart representing sex determination in humans.

Watch Video Solution

4. Swati, a 26 years old lady, living in a village was physically abused by her in -laws for delivering a baby girl for the second time. Whenshe got pregnant for the third time her husband and in-laws forced her for the prenatal sex determination. Her in-laws got the foetus aborted when tehy found that it was a girl child and blamed her for conceiving a girl child.

Based on the given paragraph answer the questions.

Why are prenatal gender detection centres banned in out country ?

Watch Video Solution

5. Swati, a 26 years old lady, living in a village was physically abused by her in -laws for delivering a baby girl for the second time. When she got pregnant for the third time her husband and in-laws forced her for the prenatal sex determination. Her in-laws got the foetus aborted when tehy found that it was a girl child and blamed her for conceiving a girl child.

Based on the given paragraph answer the

questions. Do you think it is correct to blame Swati for delivering baby girls ?

Watch Video Solution

6. Swati, a 26 years old lady, living in a village was physically abused by her in -laws for delivering a baby girl for the second time. When she got pregnant for the third time her husband and in-laws forced her for the prenatal sex determination. Her in-laws got the foetus aborted when tehy found that it

was a girl child and blamed her for conceiving a girl child.

Based on the given paragraph answer the questions.

Scientifically, who is responsible for determining the sex of a child ?

Watch Video Solution

7. Swati, a 26 years old lady, living in a village was physically abused by her in -laws for delivering a baby girl for the second time.

When she got pregnant for the third time her husband and in-laws forced her for the prenatal sex determination. Her in-laws got the foetus aborted when tehy found that it was a girl child and blamed her for conceiving a girl child.

Based on the given paragraph answer the questions.

Make a chart representing sex determination in humans.

Watch Video Solution

8. Swati, a 26 years old lady, living in a village was physically abused by her in -laws for delivering a baby girl for the second time. Whenshe got pregnant for the third time her husband and in-laws forced her for the prenatal sex determination. Her in-laws got the foetus aborted when tehy found that it was a girl child and blamed her for conceiving a girl child.

Based on the given paragraph answer the questions.

Why are prenatal gender detection centres banned in out country ?

Watch Video Solution

Apply Your Knowledge

1. Which are the important life processes in living organisms ?

Watch Video Solution

2. Which life processes are essential for production of energy requied by body ?

Watch Video Solution

3. Which are main types of cell-division? What are the differences ?

Watch Video Solution

4. What is the role of chromosomes in cell-division ?

Watch Video Solution

5. Observe.

Observe the pictures and tell the life processes which you identified.

View Text Solution

6. What do we mean by maintenance of species ?

Watch Video Solution

7. Whether new organism is genetically exactly similar to earlier one that has produced it ?

Watch Video Solution

8. Who determines whether the two organisms of a species will be exactly similar or not ?

Watch Video Solution

9. What is the relationship between cell division and formation of new organism of same species by earlier existing organism ?

Watch Video Solution

10. Activity 1: Take a conical flask and collect the water in it from a pond having stagnent water and aquatic plants. Add some wheat grans and aquatic plants to it. Keep it for 3-4 days so that wheat grains and plants will

decompose. Early in the morning on fourth day, take a glass slide and put a drop of that water over it. Carefully, put a cover-slip on that drop and observe under compound microscope.

Watch Video Solution

11. Use your brain power.

Does the parent cell exist after asexual reproduction-fission ?

Watch Video Solution

12. Activity 2 : Bring the active dry yeast powder from market . Take 50ml lukewarm water in a conical flask. Add 5gm of active dry yeast powder and 10 gm table sugar to that water andmix the mixture well. Keep the flask in warm place and after an hour take a drop of that mixture on a clean glass slide. Put a cover-glass on that drop and observe it under the compound microscope.

Watch Video Solution

13. Take a piece of wet bread or 'bhakari' and keep it in humid place. Fungus will grow on it within 2-3days. Observe the fungus under compound microscope and draw its diagram.

Watch Video Solution

14. Lets think.

What would have happened if the male and female gametes had been diploid ?

Watch Video Solution

15. What would have happened if any of the cells in nature had not been divided by meiosis ?

Watch Video Solution

16. What would have happened if meiosis did not occur during the production of human sperm celll and egg cell ?

Watch Video Solution

17. Try this.

Take a suitable glass vessel like conical flask or beaker.Add some garden soil in it and sow some pulse grains in it in such away that you can observe them through glass. Water it every day and record the changes.

Watch Video Solution

18. Which different hormones control the functions of human reproductive system

through chemical coordination ?

Watch Video Solution

19. Which hormones are responsible for changes in human body occurring during on set of sexual maturity ?

Watch Video Solution

20. Why has the Government of India enacted the law to fix the minimum age of marriage as

18 in girls and 21 in boys?

21. Describe the male reproductive system.

22. Describe the female reproductive system.

23. Which hormone is released from pituitary of mother once the fetal development is completed ?

Watch Video Solution

24. Under the effect of that hormone, which organ of the female reproductive system starts to contract and there by birth process (Parturition) is facilitated ?

Watch Video Solution

25. Internet is my friend.

You may have read that sometimes a woman may deliver more than two offsprings at a time. Collect more information from internet about reasons for such incidences.

Watch Video Solution

26. Get information.

Visit a public health center nearby your place and collect the information through an

interview of health officer about meaning and various methods of family planning.

Watch Video Solution

27. Collect the official date about present and a decade old population of various Asian countries and plot a graph of that data. With the help of it, draw your conclusions about demographic changes.

Watch Video Solution

28. With the help of your teacher,compose and present a road show to increase the awareness about prenatal gender detection and gender bias.

View Text Solution

29. Which are the important life processes in living organisms ?

Watch Video Solution

30. Which life processes are essential for production of energy requied by body ?

Watch Video Solution

31. Which are main types of cell-division? What are the differences ?

Watch Video Solution

32. What is the role of chromosomes in cell-division ?

Watch Video Solution

33. Observe.

Observe the pictures and tell the life processes which you identified.

View Text Solution

34. What do we mean by maintenance of species ?

Watch Video Solution

35. Whether new organism is genetically exactly similar to earlier one that has produced it ?

Watch Video Solution

36. Who determines whether the two organisms of a species will be exactly similar or not ?

Watch Video Solution

37. What is the relationship between cell division and formation of new organism of same species by earlier existing organism ?

Watch Video Solution

38. Activity 1: Take a conical flask and collect the water in it from a pond having stagnent water and aquatic plants. Add some wheat grans and aquatic plants to it. Keep it for 3-4 days so that wheat grains and plants will

decompose. Early in the morning on fourth day, take a glass slide and put a drop of that water over it. Carefully, put a cover-slip on that drop and observe under compound microscope.

Watch Video Solution

39. Use your brain power.

Does the parent cell exist after asexual reproduction-fission ?

Watch Video Solution

40. Activity 2 : Bring the active dry yeast powder from market . Take 50ml lukewarm water in a conical flask. Add 5gm of active dry yeast powder and 10 gm table sugar to that water andmix the mixture well. Keep the flask in warm place and after an hour take a drop of that mixture on a clean glass slide. Put a cover-glass on that drop and observe it under the compound microscope.

Watch Video Solution

41. Take a piece of wet bread or 'bhakari' and keep it in humid place. Fungus will grow on it within 2-3days. Observe the fungus under compound microscope and draw its diagram.

Watch Video Solution

42. Lets think.

What would have happened if the male and female gametes had been diploid ?

Watch Video Solution

43. What would have happened if any of the cells in nature had not been divided by meiosis ?

Watch Video Solution

44. What would have happened if meiosis did not occur during the production of human sperm celll and egg cell ?

Watch Video Solution

45. Try this.

Take a suitable glass vessel like conical flask or beaker.Add some garden soil in it and sow some pulse grains in it in such away that you can observe them through glass. Water it every day and record the changes.

Watch Video Solution

46. Which different hormones control the functions of human reproductive system

through chemical coordination ?

Watch Video Solution

47. Which hormones are responsible for changes in human body occurring during on set of sexual maturity ?

Watch Video Solution

48. Why has the Government of India enacted the law to fix the minimum age of marriage as

18 in girls and 21 in boys?

Watch Video Solution

49. Describe the male reproductive system.

Watch Video Solution

50. Describe the female reproductive system.

Watch Video Solution

51. Which hormone is released from pituitary of mother once the fetal development is completed ?

Watch Video Solution

52. Under the effect of that hormone, which organ of the female reproductive system starts to contract and there by birth process (Parturition) is facilitated ?

Watch Video Solution

53. Internet is my friend.

You may have read that sometimes a woman may deliver more than two offsprings at a time. Collect more information from internet about reasons for such incidences.

Watch Video Solution

54. Get information.

Visit a public health center nearby your place and collect the information through an

interview of health officer about meaning and various methods of family planning.

Watch Video Solution

55. Collect the official date about present and a decade old population of various Asian countries and plot a graph of that data. With the help of it, draw your conclusions about demographic changes.

Watch Video Solution

56. With the help of your teacher,compose and present a road show to increase the awareness about prenatal gender detection and gender bias.

View Text Solution

Chapter Assessment

1. Amoeba shows both binary fission and _____.

A. budding

B. regeneration

C. multiple fission

D. fragmentation

Answer:

Watch Video Solution

2. Spores released from sporangium of Mucor germinate in moist and warm place and form new fungal colony. It shows _____.

A. budding

B. asexual reproduction

C. sexual reproduction

D. vegetative propagation

Answer:

Watch Video Solution

3. During seed germination _____ provides food to the developing embryo.

A. plumule

B. radicle

C. seed coat

D. endosperm

Answer:

Watch Video Solution

4. _____ supplies food material to the developing embryo in uterus .

A. Corpus luteum

B. Endometrium

C. Follicle

D. Placenta

Answer:

Watch Video Solution

5. Amoeba shows both binary fission and _____.

A. budding

B. regeneration

C. multiple fission

D. fragmentation

Answer:

Watch Video Solution

6. Spores released from sporangium of Mucor germinate in moist and warm place and form new fungal colony. It shows _____.

A. budding

B. asexual reproduction

C. sexual reproduction

D. vegetative propagation

Answer:

Watch Video Solution

7. During seed germination _____ provides food to the developing embryo.

A. plumule

B. radicle

C. seed coat

D. endosperm

Answer:

Watch Video Solution

8. _____ supplies food material to the developing embryo in uterus .

A. Corpus luteum

B. Endometrium

C. Follicle

D. Placenta

Answer:

Watch Video Solution

Give Scientific Reasons

1. Children born to older women may commonly have birth defects.

2. Sometimes twins are dissimilar.

3. Children born to older women may commonly have birth defects.

Watch Video Solution

4. Sometimes twins are dissimilar.

Watch Video Solution