



BIOLOGY

BOOKS - TRUEMAN BOOK COMPANY

BIOLOGY (HINGLISH)

Reproduction In Organisms

Multiple Choice Question

1. Regeneration was first discovered in Hydra

by

A. Linnaeus

B. Trembley

C. Thomas Addison

D. Stanley

Answer: B



Watch Video Solution

2. Gerontology is the branch of science that deals with

A. birds

B. bones

C. ageing

D. earth

Answer: C



Watch Video Solution

3. Sex first originated in

A. protistans

B. simple algae

C. angiosperms

D. both 1 and 2

Answer: D



Watch Video Solution

4. Strobilanthus kunthiana (Neeelakuranji)

flowers once in 12 years, The last time this

plant flowered during September-October

2006. It is found in hilly areas in

A. Kerala and Karnataka

B. Tamil Nadu

C. Andhra Pradesh

D. Both (1) and (2)

Answer: D



Watch Video Solution

5. Blood is discharged from the uterus in

A. oestrous cycle

B. menstrual cycle

C. cardiac cycle

D. urea circle

Answer: B



Watch Video Solution

6. Endosperm provides food to the growing

A. seeds

B. fruit

C. endosperm

D. embryo

Answer: D



Watch Video Solution

7. Which of the following animals, is /are ovoviparous

A. Hen

B. Platypus

C. (1) and (2)

D. Rattle snake

Answer: D



Watch Video Solution

8. Parthenogenesis occurs in

A. Axolotl

B. Miracidium and Metacercaria

C. Cercaria

D. Sporocyst and redia

Answer: D



Watch Video Solution

9. Paramecium reproduces by

A. asexual reproduction

B. sexual reproduction

C. both (1) and (2)

D. none of the above

Answer: C



Watch Video Solution

10. When male differs female in morphol-ohy, it is called

- A. heterogamy
- B. homogamy
- C. sexual dimorphism
- D. hermaphroditism

Answer: C



Watch Video Solution

11. Paedogenesis is found in the larvae of

A. Taenia

B. Fasciola

C. Rana

D. Butterfly

Answer: B



Watch Video Solution

12. Oblique binary fission is found in

A. Monocystis

B. Plasmodium vivax

C. Planaria

D. Ceratium

Answer: D



Watch Video Solution

13. Which one has the capacity to reproduce without fertilization of eggs ?

A. Spider

B. Crow

C. Honey bee

D. Earthworm

Answer: C



Watch Video Solution

14. The term homothallic and monoecious are used to denote

- A. Bisexual condition
- B. Unisexual condition
- C. Staminate flowers
- D. Pistillate flowers

Answer: A



Watch Video Solution

15. What is the maximum age of parrot ?

A. 90 years

B. 25 years

C. 500 years

D. 140 years

Answer: D



Watch Video Solution

16. Which of the following statement is true about wate hyacinth ?

A. It is very useful for farmer because it acts as manure

B. It is found only in sea water

C. It takes oxygen from water which causes death of fishes

D. It gives useful products to be used in medicine

Answer: C



Watch Video Solution

17. Bryophyllum has asexual reproductive bodies namely

A. runner

B. sucker

C. bulb

D. adventitious buds

Answer: D



Watch Video Solution

18. Which of following plants is monoecious ?

A. Papaya

B. Date palm

C. Coconut

D. Both (1) and (2)

Answer: C



[Watch Video Solution](#)

19. Internal fertilization is found in all

- A. reptiles, birds, mammals
- B. insects, annelies, echinoderms
- C. sponges, flatworm, protochordates
- D. fishes, amphibians, coelenterates

Answer: A



[Watch Video Solution](#)

20. Which are hermaphrodite ?

- A. Earthworm, Hydra and Leech
- B. Cockroach, Ascaris and Hydra
- C. Earthworm, Ascaris and Leech
- D. Ascaris, Cockroach and Hydra

Answer: A



Watch Video Solution

21. Gemma cups are located on the male and female thalms of *Marchantia* as

- A. they are always attached to thalms
- B. they are detached from the parent body and germinate to form new individuals
- C. Gemma cups are protective in function
- D. they produce gametes

Answer: B



Watch Video Solution

22. Formation of the whole body of an organism from a small fragment is called

A. morphallaxis

B. epimorphosis

C. morphogenesis

D. metabolism

Answer: A



Watch Video Solution

23. The vegetative propagation where a branch is injured defoliated and pegged down in the ground is known as

A. layering

B. grafting

C. cutting

D. bud grafting

Answer: A



Watch Video Solution

24. It will not make any series to produce seedless

A. grapes

B. bananas

C. guavas

D. pomegranates

Answer: D



Watch Video Solution

25. The technique of obtaining large number plantlets by tissue culture method is called

- A. Plantlet culture
- B. organ culture
- C. micropropagation
- D. macropropagation

Answer: C



Watch Video Solution

26. Fleshy buds produced in the axil of the leaves, which grow to form new plants when shed and on ground, are called

A. bulbs

B. bulbils

C. tubers

D. offsets

Answer: B



Watch Video Solution

27. Among the following which one is not a method of asexual reproduction ?

A. Budding

B. Layering

C. Sowing

D. Binary fission

Answer: C



Watch Video Solution

28. Double fertilization is found in

- A. angiosperms
- B. gymnosperms
- C. pteridophytes
- D. bryophytes

Answer: A



Watch Video Solution

29. Seeds are called products of sexual reproduction because they

- A. are formed by fusion of gametes
- B. give rise to new plants
- C. can be stored for long time
- D. are formed by fusion of pollen tubes

Answer: A



Watch Video Solution

30. Bamboo species flower

A. only once in lifetime

B. once in 12 years

C. every year

D. twice in 50-100 years

Answer: A



Watch Video Solution

31. Oestrous cycle is characteristic of mammalian females other than primates and occurs in females of

A. Monkeys

B. Cows

C. Apes

D. Humans

Answer: B



Watch Video Solution

32. Chromosome number in melocyte of drosophila (fruit fly) is

A. 2

B. 4

C. 6

D. 8

Answer: D



Watch Video Solution

33. Life span of crocodile and May fly is respectively

A. 15 years, 1week

B. 30 years, 1 year

C. 45 years, 1 month

D. 60 years, 1day

Answer: D



Watch Video Solution

34. Zoospores of chlamydomonas are

A. asexual reproductive bodies

B. sexual reproductive bodies

C. buds

D. gemmules

Answer: A



Watch Video Solution

35. The nodes are called 'eyes' which will form a new plant

A. Ginger

B. Bryophyllum

C. Alocasia

D. Potato

Answer: D



Watch Video Solution

36. Life span of tortoise is

- A. 25-50 years
- B. 50-75 years
- C. 75 to 100 years
- D. 100-150 years

Answer: D



Watch Video Solution

37. Vegetatively reproduced organism is

A. Dahlia

B. Ginger

C. Potato

D. all of the above

Answer: D



Watch Video Solution

38. Ciliate motile spores are called

A. aplanospores

B. conidia

C. zoospores

D. oospores

Answer: C



Watch Video Solution

39. The endosperm in angiosperm is

A. haploid

B. diploid

C. triploid

D. none of these

Answer: C



Watch Video Solution

40. The endosperm in gymnosperms is

A. haploid

B. diploid

C. triploid

D. none of these

Answer: A



Watch Video Solution

41. In wheat, pollination take place by

A. water

B. wind

C. animals

D. bats

Answer: B



Watch Video Solution

42. In maize pollination is called

- A. anemophily
- B. entomophily
- C. zoophily
- D. hydrophily

Answer: A



Watch Video Solution

43. Chromosome number in meiocyte of human beings is

A. 40

B. 42

C. 44

D. 46

Answer: D



44. Chromosome number in gamete of
ornnion is

A. 8

B. 16

C. 24

D. 32

Answer: B



45. Comparable to angiosperms, which of the following algae exhibits diplontic life cycle ?

- A. Spirogyra
- B. Ectocarpus
- C. Polysiphonia
- D. Fucus

Answer: D



Watch Video Solution

46. The term used for the offspring that are exactly identical to one another as well as identical to their parents is

A. twins

B. replicates

C. drones

D. clone

Answer: D



Watch Video Solution

47. Find the correct combination.

A. Zoospore in sponge

B. Gemmules in Penicillium

C. Conidium in Algae

D. Buds in Hydra

Answer: D



Watch Video Solution

48. The meicyte is

A. haploid

B. diploid

C. triploid

D. none of these

Answer: B



Watch Video Solution

49. Grafting in monocots is rarely successful because

A. monocots have closed vascular cambium

B. monocots are without cambium

C. both (1) and (2)

D. both wrong

Answer: C



Watch Video Solution

50. If you have taken scion of desi mango and stock of dasherri mango, what type of mango will be born ?

A. Dasherri

B. Desi

C. Hybrid

D. None

Answer: B



Watch Video Solution

51. Vegetative reproduction of Agave occurs through

A. rhizome

B. stolen

C. bulbils

D. suckers

Answer: C



Watch Video Solution

52. New Banana plants develop from

A. rhizome

B. suckers

C. stolons

D. seed

Answer: B



Watch Video Solution

53. Tea and Cocoa are propagated by

- A. layering
- B. stem cuttings
- C. grafting
- D. bud grafting

Answer: B



Watch Video Solution

54. In *Lacerta saxicola armaniaca* (lizard) there are

A. females only

B. males only

C. bisexual only

D. Both (1) and (2)

Answer: A



Watch Video Solution

55. In which type of parthenogenesis, only males are produced ?

A. Arrhenotoky

B. Thelytoky

C. Amphitoky

D. Both (1) and (2)

Answer: A



Watch Video Solution

56. Vegetative propagation plays a vital role in

A. sericulture

B. apiculture

C. silviculture

D. horticulture

Answer: D



Watch Video Solution

57. Adventive embryony in Citrus is due to

A. egg

B. nucellus

C. embryo

D. integument

Answer: B



Watch Video Solution

58. After fertilization the ovary develops into

A. seed

B. fruit

C. pericarp

D. stamens

Answer: B



Watch Video Solution

59. Ginger multiplies vegetatively by

A. bud

B. tuber

C. corm

D. rhizome

Answer: D



Watch Video Solution

60. Layering is used for vegetative propagation of

A. Jasmine

B. Rose

C. Mango

D. all of the above

Answer: A



Watch Video Solution

61. In vegetative propagation by tubers, which of following remains constant through generations?

A. Morphology

B. Vigour only

C. Vigour and morphology only

D. Morphology, vigour and disease resistance

Answer: D



Watch Video Solution

62. Natural parthenogenesis is found in

- A. aphids
- B. honey bees
- C. wasps
- D. all the above

Answer: D



Watch Video Solution

63. Stem cuttings are commonly used for the propagation of

A. Mango

B. Cotton

C. Rose

D. Banana

Answer: C



Watch Video Solution

64. Mango and Guava are propagated through

A. tissue culture

B. grafting

C. stem cuttings

D. layering

Answer: B



Watch Video Solution

65. First succesful animal clone was

A. dolly goat

B. dolly sheep

C. molly goat

D. molly sheep

Answer: B



Watch Video Solution

66. The terminal irreversible stage of ageing is called

A. autogamy

B. syngamy

C. senescence

D. cytogames

Answer: C



Watch Video Solution

67. Which type of binary fission occurs in paramecium

- A. simple binary fission
- B. longitudinal binary fission
- C. transverse binary fission
- D. oblique binary fission

Answer: C



Watch Video Solution

68. Plasmotomy occurs in

A. Hydra

B. Obelia

C. Opalina

D. Plasmodium

Answer: C



Watch Video Solution

69. Gemmule formation occurs in

A. fresh water sponge

B. some marine sponges

C. *Labeo rohita*

D. Both (1) and (2)

Answer: D



Watch Video Solution

70. Menstrual cycle occurs in

A. old world monkeys

B. apes

C. humans

D. all of these

Answer: D



Watch Video Solution

71. Isogametes are present in

A. Fuccus

B. Cladophora

C. Frog

D. Bird

Answer: B



Watch Video Solution

72. In grafting stock and scion ought to be joined

A. Phaloem to pheloem

B. xylem to xylem

C. pith to pith

D. cambium to cambium

Answer: D



Watch Video Solution

73. Ramphotyphlops braminus produces females only by parthenogenesis. It is a

A. snake

B. bird

C. frog

D. mammal

Answer: A



Watch Video Solution

74. Induction of rooting on stems before separating them from parent plant is

A. grafting

B. layering

C. root-stem joint

D. cutting

Answer: B



Watch Video Solution

75. Grafting in sugarcane can not be performed because

- A. vascular bundles are scattered
- B. pholem is internal to xylem
- C. sugarcane plant is delicate
- D. it is unable to bear injury

Answer: A



Watch Video Solution

76. In a grafted plant, stock has 48 chromosomes while scion has 24 chromosomes. The chromosome number for root cells and eggs are

A. 48 and 24

B. 24 and 24

C. 24 and 12

D. 48 and 12

Answer: D



Watch Video Solution

77. Ramet is

A. clone

B. callus

C. cell aggregate

D. individual member of clone

Answer: D



Watch Video Solution

78. Development of seed from an unfertilized egg is

A. vivipary

B. pathenocarpy

C. apogamy

D. apospory

Answer: C



Watch Video Solution

79. Which of the following groups of plants are propagated through underground root

A. Bryphyllum and Kalanchoe

B. Pistia, Chrysanthemum and Pineapple

C. Ginger , Potato, Onion, Zamikand

D. Swee Potato, Asparagus, Tapioca and
Dahlia

Answer: D



Watch Video Solution

80. A scion is grafted to a stock. The quality of fruits produced will be determined by the genotype of -

A. stock

B. scion

C. both stock and scion

D. neither stock nor scion

Answer: B



Watch Video Solution

81. The living organisms can be undexceptionally distinguished from the non - living things on the basis of their ability for

A. reproduction

B. growth and movement

C. responsiveness to touch

D. intersection with the environment and progressive evolution

Answer: A



[Watch Video Solution](#)

82. Maximum life span of Eagle is

A. 90 years

B. 15 years

C. 10 years

D. 5 years

Answer: A



[Watch Video Solution](#)

83. Male gametes in angiosperms are formed by the division of

A. vegetative cell

B. microspore mother cell

C. microspore

D. generative cell

Answer: D



Watch Video Solution

84. In which of the following organisms, self fertilization is seen ?

A. Fish

B. Roundworm

C. Earthworm

D. Tapeworm

Answer: D



Watch Video Solution

85. Which of the following animals is having longitudinal binary fission

A. Euglena

B. Plasmodium

C. Planaria

D. Paramecium

Answer: A



Watch Video Solution

86. These processes are necessary for the complete development of male gametophyte from pollen mother cell

A. One meiotic and two mitotic divisions

B. One meiotic cell division and one mitotic and division

C. Two meiotic cell divisions and one mitotic cell division

D. Two mitotic cell divisions

Answer: A



Watch Video Solution

87. From which cells peripheral region of radicle is produced

- A. vegetative cell
- B. Hypophysis
- C. Apical octant
- D. Micropylar octant

Answer: B



Watch Video Solution

88. It is a process of embryosac formation from cell of nucellus, without undergoing meiosis ?

- A. Polyembryony
- B. Incompatibility
- C. Parthenocarpy
- D. Parthenogenesis

Answer: D



Watch Video Solution

89. In can regenerate entire alimentary canal

- A. Amphibian
- B. Fish
- C. Sea cucumber
- D. Parthenogenesis

Answer: C



Watch Video Solution

90. Spermatids are transformed into spermatozoa by

- A. Amphibian
- B. Spermatogenesis
- C. Meiosis
- D. Spermatosis

Answer:



91. Study of pollen grain is called

- A. Entomology
- B. Palynology
- C. Paleobotany
- D. Co-taxonomy

Answer: B



92. Which is immortal?

A. Plasma Cell

B. Germ Cell

C. Brain Cell

D. Kidney Cell

Answer: B



Watch Video Solution

93. Monocarpic plant

A. flowers twice in every year

B. bears only one type of flower

C. flowers once in every year

D. dies after flowering once in its life cycle

Answer: D



Watch Video Solution

94. Exponential growth occur in

A. yeast

B. asexual reproduction

C. bacteria

D. all of these

Answer: B



Watch Video Solution

95. Vegetative propagation in mint occurs by

A. offset

B. rhizome

C. sucker

D. runner

Answer: C



Watch Video Solution

96. Synergids are

A. haploid

B. diploid

C. triploid

D. tetraploid

Answer: A



Watch Video Solution

97. Which one of the following animals possesses high regeneration capacity?

A. Planaria

B. Taenia

C. Salpa

D. Periplaneta

Answer: A



Watch Video Solution

98. Asexual reproduction in fungi takes place by

A. endospore

B. gametangia

C. exospores

D. conidiospore

Answer: D



Watch Video Solution

99. Gymnosperms bear seeds but lack fruits because they lack

A. cotyledon

B. embryo

C. ovary

D. ovule

Answer: C



Watch Video Solution

100. Which one of the following processes results in the formation of clone of bacteria ?

A. Binary fission

B. Conjugation

C. Transformation

D. Transduction

Answer: A



Watch Video Solution

101. Egg apparatus of angiosperm consists of

- A. an egg cell and two antipodals
- B. an egg cell and two synergids
- C. an egg cell and two polar nuclei
- D. an egg and the central cell

Answer: B



Watch Video Solution

102. Breeding of crops with high levels of minerals vitamins and proteins called

A. somatic hybridisation

B. biofortification

C. biomagnification

D. micropropagation

Answer: B



Watch Video Solution

103. Vegetative propagation in Pistia occurs by

A. stolon

B. offset

C. runner

D. sucker

Answer: B



Watch Video Solution

104. Which of the following is pollinate by water

A. Viola

B. Yucca

C. Oxalis

D. Commelina

Answer:



Watch Video Solution

105. Find out the wrongly matched pair

A. tuber - potato

B. rhizome - ginger

C. bulbil- Agave

D. leaf buds - banana

Answer: D



Watch Video Solution

106. The term parthenogenesis was coined by

A. Owen

B. Bovri

C. Balfour

D. Grobber

Answer: A



Watch Video Solution

107. The offspring formed by asexual reproduction are identical and are referred to as

A. Zoospores

B. Clones

C. Conidia

D. gemmules

Answer: B



Watch Video Solution

108. The type of pollinating involving transfer of pollen grains from anther to the stigma of the same flower is known as

A. geitonogamy

B. xenogamy

C. autogamy

D. apogamy

Answer: C



Watch Video Solution

109. The stage between two meiotic division is called

A. interphase

B. cytokinesis

C. interkinesis

D. karyokinesis

Answer: C



Watch Video Solution

110. The chromosomal number in the meiocytes of housefly is :

A. 8

B. 12

C. 21

D. 23

Answer: B



Watch Video Solution

111. The 'Eyes' of the potato tuber are :-

A. root buds

B. flower buds

C. shoot buds

D. axillary budss

Answer: D



Watch Video Solution

112. Nucellar polyembryony is reported in species of

A. Citrus

B. Gossypium

C. Triticum

D. Brassica

Answer: A



Watch Video Solution

113. Biodiversity of a geographical region represents

A. endangered species found in the region

B. the diversity in the organisms living in
the region

C. genetic diversity in the dominant species
of the region

D. None of these

Answer: B



Watch Video Solution

114. Testa of seed develops from

A. ovary wall

B. hilum

C. outer integument of ovule

D. funicle

Answer: C



Watch Video Solution

115. ovule in which funicle, chalaza and micropyle occur in one vertical plane is

A. campylotropous

B. amphitropous

C. orthropous

D. anatropous

Answer: C



Watch Video Solution

116. Ovule integument gets transformed into

A. seed

B. fruit wall

C. seed coat

D. cotyledons

Answer: C



Watch Video Solution

117. Both, autogamy and geitonogamy are prevented in

A. Papaya

B. cucumber

C. castor

D. maize

Answer: A



Watch Video Solution

118. Dentrification is carried out by

A. Pseudomonas

B. Nitrobacter

C. Nitrosomonas

D. Nitrococcus

Answer: A



Watch Video Solution

119. In general, pollen tube enter the ovule through

A. micropyle

B. chalaza

C. hilum

D. funicle

Answer: A



Watch Video Solution

120. Transfer of pollen from anthers of one flower to the stigma of another flower of the same plant is

A. geitonogamy

B. xenogamy

C. cleistogamy

D. chasmogamy

Answer: A



Watch Video Solution

121. The endosperm cells in angiosperms are

A. haploid

B. diploid

C. triploid

D. tetraploid

Answer: C



Watch Video Solution

122. The fleshy edible part of an apple is

A. thalamus

B. nucellus

C. ovary

D. endosperm

Answer: A



Watch Video Solution

123. Why asexual reproduction is sometimes disadvantageous ?

A. It allows animals that do not move around to produce offspring without findingmate

B. it allows an animals to produce many offspring quickly

C. it save the time and energy of gamete production

D. it produce genetically uniform populations

Answer: D



Watch Video Solution

124. Meiosis takes place in

A. Gemmule

B. Megaspore

C. Meiocyte

D. Conidia

Answer: C



Watch Video Solution

125. Monoecious plant of Chara shows occurrence of

A. Upper antheridium and lower oogonium on the same plant

B. Upper oogonium and lower antheridium on the same plant

C. Antheridiphore and archegoniophore on the same plant

D. Stamen and carpel on the same plant

Answer: B



Watch Video Solution

126. Which one of the following is wrong about Chara

A. Gobule is male reproductive structure

B. Upper oogonium and lower round antheridium

C. Globule and nucule present on the same
plant

D. Upper antheridium and lower oogonium

Answer: D



Watch Video Solution

127. In ginger , vegetative propagation occurs
through :

A. Offsets

B. Bulbils

C. Runners

D. Rhizome

Answer: D



Watch Video Solution

128. Which of the following flowers only once in its life-time

A. Papaya

B. Mango

C. Jackfruit

D. Bamboo species

Answer: D



Watch Video Solution