



# BIOLOGY

**BOOKS - UNITED BOOK HOUSE**

**SUGGESTION OR MADHYAMIK**

**PARISKSHA**

## Exercise

1. Which hormone is secreted at a faster rate while a person is frightened-

A. 1.GH

B. 2.GTH

C. 3.Thyroxine

D. 4.Adrenaline

**Answer:**



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**2. Which hormone is present in high amount in a ripen fruit?**

A. Auxin

B. Cytokinin

C. ABA

D. Gibberellin

**Answer:**



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**3. Which hormone helps in growin seedless fruit-**

A. IAA

B. GH

C. Kinin

D. Florigen

**Answer:**



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**4. Insulin secrets from-**

A. Pituitary

B. Thryorid

C. Kidney

D. Pancreas

**Answer:**



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5. which animal use flagella as a locomotary organ-

A. Fish

B. Euglena

C. Amoeba

D. Bird

**Answer:**



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**6.** A conditional or non habitual reflex action

is-

A. Breast feeding

B. Sniffing

C. Blinking

D. Playing cricket

**Answer:**



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7. Not the function of thyroxine-

A. 1.Heat generation

B. 2.Parturition

C. 3.Increase in BMR

D. 4.Development & maturation

**Answer:**



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8. Development of diploid cell through conjugation is known as-

A. Zygote

B. Zygospor



C. Azygospore

D. Spore

**Answer:**



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**9. Cytokinesis in animal cells is called-**

A. 1.Furrowing

B. 2.Cell plate formation

C. 3.Cleavage

D. 4.N.O.R

**Answer:**



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**10. DNA-duplication takes place in-**

A.  $G_1$

B. S

C.  $G_2$

D. M-phase

**Answer:**



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**11.** Which chromosome relate with colour blindness-

A. Y

B. XY

C. X

D. N.O.T

**Answer:**



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**12. Heterogametic sex is found in-**

- A. Male human
- B. Female human
- C. Male female both
- D. N.O.T

**Answer:**



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**13.** Number of mitotic divisions required to produce 128 cells from a single cell is

A. 32

B. 14

C. 7

D. 16

**Answer:**



14. Fertilized ovule is-

- A. Sperm
- B. Zygote
- C. Zygospere
- D. Spore

**Answer:**



15. Metabolic nucleus can be seen in-

- A. Prophase
- B. Interphase
- C. Metaphase
- D. Cytokinesis

**Answer:**



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16. Pink flower in *Mirabilis* plant is-

A. Dominant

B. Recessive

C. Mix

D. N.O.T

**Answer:**



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17. Haemophilia is-

A. Genetical

B. X- Chromosomal

C. Autosomal

D. Nervous disease

**Answer:**



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**18.** A xerophyte plant is-

A. Lotus

B. Pea

C. Cactus

D. Mango

**Answer:**



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**19.** a vestigial organ is-

A. 1.Coccyx

B. 2.Appendix

C. 3.Both

D. 4.N.O.T

**Answer:**



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20. Alternation of generation is present in -

A. Moss

B. Fern

C. Riccia

D. All of these

**Answer:**



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21. Which green house gas cause acid rain-

A.  $SO_2$

B. CFC

C.  $NO_2$

D.  $CO_2$

**Answer:**



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22. Chemical theory for origin of life was given by

A. miller urey

B. Oparin Haldane

C. Watson

D. Darwin

**Answer:**



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23. Number of hot spot in India-

A. 3

B. 4

C.

D. 6

**Answer:**



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24. Algal bloom can be seen for-

A. 1.Biomagnification

B. 2.Bioaccumulation

C. 3.Eutrophication

D. 4.All of these

**Answer:**



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**25.** A nitrogen fixing bacteria is-

A. Rhizobium



B. Nitrosomonus

C. Bacillus

D. Nitrosococcus

**Answer:**



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**26.** Evolution'- the word first introduced by-

A. Darwin

B. Lamarck

C. Spencer

D. N.O.T

**Answer:**



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**27. Responsible for lung cancer-**

A. 1. $CO_2$

B. 2. $H_2$

C. 3.*Radon*

D. 4. $N_2$

**Answer:**



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**28. Phylloclade present in -**

A. 1.Lotus

B. 2.Sundari

C. 3.Goran

D. 4.Cactus

**Answer:**



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**29.** In case of denitrifying bacteria-

- A.  $N_2$  assimilated in air
- B.  $N_2$  assimilate in soil
- C.  $N_2$  absorb in plant
- D.  $N_2$  assimilate in animal body

**Answer:**



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30. For propagation in lesser time of plant having prolonged period of dormancy of seed. Which of the following processes you will adopt.

- A. Sexual reproduction
- B. Fragmentation
- C. Regeneration
- D. Micropropagation

**Answer:**



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**31.** \_\_ hormone helps in closing of stomata.



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**32.** Meiosis II is known as \_\_\_\_ division.



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33. \_\_\_\_\_ regulates the secretion of anterior pituitary hormone.



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34. Speaking is \_\_\_\_\_ reflex action.



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35. Swim bladder produce \_\_\_\_\_ gas.



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36. \_\_\_\_\_ is the locomotary organ if Euglena



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37. Zoo is the example of \_\_\_\_\_ conservation.



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38. Number of chromosome in human ovule is

\_\_\_\_\_





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39. \_\_\_\_\_ is known as natural kidney.



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40. Cytokinesis in plant cell takes place through \_\_\_\_\_



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41. \_\_\_\_\_ movement is an movement of locomotion



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42. \_\_\_\_enzyme present in tear gland.



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43. Decide whether the following statements are true or false

Accommodation is necessary for finding road signal.



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**44.** Decide whether the following statements are true or false

Acentric chromosome does not form through Anaphase.



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**45.** Decide whether the following statements are true or false

Osteoporosis is a childhood disease.



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**46.** Decide whether the following statements are true or false

Perthenocarpic fruit from by applying cytokinin.



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**47.** Decide whether the following statements are true or false

Cell cycles are responsible for cancer.,



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**48.** Decide whether the following statements are true or false

'Sunderban' is known as unesco World heritage site.



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**49.** Decide whether the following statements are true or false

India has 2 hot spot region.



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**50.** Decide whether the following statements are true or false

'Limulus is a missing link.



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**51.** Decide whether the following statements are true or false

'Roller tongue-is a kind of dominant mutation.



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**52.** Decide whether the following statements are true or false

Tropic movement is controlled by the intensity of the stimulus.



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53. Match the words in column A with those which are most appropriate in column B and re write the correct pairing mentioning the serial no. of both column:

Column A	Column B
2.23 Thermonastic	(a) Spirilization
2.24 Cucarbita	(b) Synapsis
2.25 Neoglucogenesis	(c) Singing
2.26 Insulin	(d) Cell body
2.27 Neurocyton	(e) Liver
2.28 Acquired reflex	(f) Antikitogenic
2.29 Ciliary locomotion	(g) Circulation
2.30 Prophase	(h) Tulip
2.31 Meiosis	(i) Paramoecium
2.32 Zoospore	(j) Thalassemia
2.33 Test cross	(k) Phytophthora
2.34 B-globin	(l) Homologous recessive



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**54.** Choose the odd one and write it:

Insect wing, Patagium, Bird wing, Human hand.



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**55.** Choose the odd one and write it:

Ammonification, Nitrification, Denitrification ,

Carboxilation



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**56.** Choose the odd one and write it:

Clostridium, Azotobacter, Anabena, Azolla



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**57.** Choose the odd one and write it:

TT, Tt, tt, XY



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**58.** Choose the odd one and write it:

Crossing over, chiasma, Bivalent, Linkage



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**59.** Name a denitrifying bacteria.



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**60.** What is the other name of vasopressin?



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**61.** Why nerve cell cannot divide?



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**62.** What is venus heart?



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**63.** Name an abductor muscle.



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**64.** The genotypic ratio of a monohybrid cross will be



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**65.** Give an example of a plant which shows incomplete dominance in flower colour ?



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**66.** What is the number of chromosome in human body cell?



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**67.** Which chromosome are called androsome?



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**68.** State the full form of SPM.



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**69.** State the full form of PAN.



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**70.** In which forest elephant conservation takes place?



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**71.** Name two natural pollutants,.





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72. What is leghaemoglobin?



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73. Given below a pair of related terms. Write suitable word in the gap of second pair, following the relationship in the first pair.

Bryophyllum: Leaf bud:: water hyacinths: \_\_\_\_\_



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74. Given below a pair of related terms. Write suitable word in the gap of second pair, following the relationship in the first pair.

Tall: Dominant: Dwarf: \_\_\_



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75. Given below a pair of related terms. Write suitable word in the gap of second pair, following the relationship in the first pair.

Myopia: concave lens:: Hypermetropia: \_\_\_\_\_





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**76.** Given below a pair of related terms. Write suitable word in the gap of second pair, following the relationship in the first pair.

Thymine:DNA ::Uracil:\_\_\_\_\_



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**77.** Given below a pair of related terms. Write suitable word in the gap of second pair,

following the relationship in the first pair.

Ozone layer depletion :  $CO_2$  :: Acid rain: \_\_\_\_\_



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**78.** Among the following four terms three included the other one. Find out that term.

Sanctuary, In-situ conservation, National park,  
Biosphere reserve



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**79.** Among the following four terms three included the other one. Find out that term.

Genetics, Locus, Allele, Dominant



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**80.** Among the following four terms three included the other one. Find out that term.

Light, Heat, Touch, Nastic movement.



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**81.** Among the following four terms three included the other one. Find out that term.

Asthma, bronchitis, Cancer, Pollution.



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**82.** Among the following four terms three included the other one. Find out that term.

Deforestation, Global warming, Allergy, Over population



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**83.** What is causative agent of dyslexia?



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**84.** Write down the role of auxin in plant growth.



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**85.** Why grafting is not possible in monocots?



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**86.** What is cataract? How it is cured?



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**87.** Write two characteristics of an allosomal disease of human.



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**88.** Write two purposes of adaptation.



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**89.** What do you mean by atavism?



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**90.** What is neuroglia?



[Watch Video Solution](#)

**91.** What do you mean by mitotic apparatus?





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**92.** What is Autocrine hormone?



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**93.** If all wetlands of Kolkata become cultivating land-then what would happen to our ecosystem?



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**94.** What is the phenomenon of survival of the fittest called?



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**95.** State the significance of swim bladder in adaptaiton.



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**96.** Write two bad effect of acid rain.





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**97.** Name two artificial Auxin.



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**98.** What is physiologically dry soil?



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**99.** what is micropropagation?





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**100.** How human effect  $N_2$  cycle?



[Watch Video Solution](#)

**101.** Why males are called heterogametic sex?



[Watch Video Solution](#)

**102.** Result of global warming-





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**103.** Explain Negatively phototropic movement?



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**104.** Differ DNA and RNA with following points-  
 $N_2$  base, coiling.



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**105.** Why hormone is called chemical messenger?



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**106.** What do you mean by Neo-Darwinism?



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**107.** Why ovary is mix-gland?



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**108.** Write two causative factor for depletion of biodiversity.



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**109.** What is accomodation? Write its significance.



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**110.** What is the protective layer of eye? Write any function of them.



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**111.** Draw a neat diagram of an ideal neuron and label the following parts:

Axon, Dendorn, Myellin sheath, Schwann cell,  
Node of Ranviour.



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**112.** Draw the morphology of an ideal eukaryotic chromosome and label the following parts:

Chromatid, centromere, NOR, telomere, Primary constriction, Secondary constriction.



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**113.** What is tropic movement? Describe three tropic movement with example.\



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**114.** What is reflex action? State definition with example of congenital and habitual reflex action.



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**115.** Draw a label diagram of an ideal reflex path and label the following parts:

Receptor, Effector, Motor neurone, Sensory neurone, Nerve centre.,



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**116.** What is amitosis? State three characters of interphase.



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**117.** Write characters of the following phases:  
Metaphase



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**118.** Write characters of the following phases:

Anaphase



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**119.** Write two laws that you get from mendel's

cross .



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**120.** What is major thalassemia? How you prevent it with genetic counselling?



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**121.** Define vegetative reproduction? Write two differences between asexual and vegetative reproduction.



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**122.** Write one character each for hydrophyte, xerophyte, halophyte. Write two adaptive features of camel?



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**123.** What are the roles of bio-magnification and eutrophication in environment?



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**124.** What is the cause of decreasing number of lion? How it can be conserved?



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**125.** What do you mean by comparative embryology? Who introduce 'Biogenetic Law'?  
What is the main subject of this law?



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**126.** What is analogous organ? Who was the introducer of coacervate theory? According to oparin and Haldane. What are the biomolecular that generate in time of origin of life, in planet earth.



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**127.** Describe with example-Nyctinasty



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**128.** Describe with example-Seismonasty



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**129.** What is biodiversity conservation?

Describe with example-In-situ and Ex-situ conservation.



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**130.** Write two effect of sound pollution in human. How you protect from global warming.



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