



# BIOLOGY

## NCERT - NCERT Biology(TELUGU)

### Model Paper-I

#### Exercise

1. Iodine Test is used to detect

A. Protein

B. Fat

C. Carbohydrate

D. Vitamin

**Answer:**



**Watch Video Solution**

2. Deficiency of this vitamin causes a disease called scruvey

A. Vitamin A

B. Vitamin C

C. Vitamin D

D. Vitamin K

**Answer:**



**Watch Video Solution**

**3.** The founder of modern science of nutrition.....

A. James Lind

B. Lavoisier

C. Haffman

D. Priestly

**Answer:**



**Watch Video Solution**

**4. Leafy Vegetables contain large quantities of**

A. Roughages

B. Proteins

C. Water

D. Fats

**Answer:**



**Watch Video Solution**

**5. Match the following:**

**Column I**

1. Fibre
2. Protein
3. Vitamins and Minerals
4. Carbohydrates

**Column II**

- p. Micronutrient food
- q. Energy giving food
- r. Body building food
- s. Bulk forming

A. 1-p, 2-q, 3-r, 4-s

B. 1-s, 2-r, 3-p, 4-q

C. 1-r, 2-q, 3-p, 4-s

D. 1-p, 2-s, 3-r, 4-q

**Answer:**



**Watch Video Solution**

**6.** Milk powder contains about - gm of proteins  
per 100 gm

A. 45.4

B. 55.4

C. 44.5

D. 54.5

**Answer:**



**Watch Video Solution**

7. Major component of food for our body are

A. Proteins

B. Vitamins

C. Carbohydrates

D. Fats

**Answer:**



**Watch Video Solution**

**8. Lactic acid : Curd : : Malic acid :**

A. Tea

B. Apple

C. Vinegar



D. Spinach

**Answer:**



**Watch Video Solution**

9. An example of natural indicator is \_\_\_\_

A. a phenolphthalein

B. tumeric paper

C. methyl orange

D. litmus paper

**Answer:**



**Watch Video Solution**

**10. Soap contains \_\_\_\_**

A. Potassium hydroxide

B. Calcium hydroxide

C. Sodium hydroxide

D. Both a & c

**Answer:**



Watch Video Solution

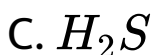
11. Which of the following acid is used for making soft drinks?

- A. Sulphuric acid
- B. Hydro chloric acid
- C. nitric acid
- D. Carbonic acidi

**Answer:**



12. Packed food will not spoil until the packet is opened due to this gas



**Answer:**



**13.** Statement I : All bases are alkalines.

Statement II : All acids are corrosive.

A. Both statements are true

B. Both statements are false

C. Statements I is true & II is false

D. Statements I is false & II is true

**Answer:**



**Watch Video Solution**

14. To protect tooth decay we are advised to brush our teeth regularly. The nature of the tooth paste commonly used is

A. acidic

B. neutral

C. basic

D. baking soda

**Answer:**



**Watch Video Solution**

**15.** The process of decolourising a silk fabric is called:

A. reeling

B. bleaching

C. wearing

D. scrouring

**Answer:**



**Watch Video Solution**

**16.** Cultivation of food yielding plants is Agriculture :: Cultivating of Silk worms for silk is

- A. sericulture
- B. hearticulture
- C. aquaculture
- D. none

**Answer:**



**Watch Video Solution**



17. Silk production was started in China around.

A. 3000 B.C

B. 2600 B.C

C. 2300 B.C

D. 2800 B.C

**Answer:**



**Watch Video Solution**

**18.** Protein present in silk fibre is called.

A. Keratin

B. Fibroin

C. Casein

D. none

**Answer:**



**Watch Video Solution**

**19.** The thickness of Alpaca quantity of fibre is between

A. 12 - 29 mm

B. 13 - 20 mm

C. 18 - 25 mm

D. 12 - 28 mm

**Answer:**



**Watch Video Solution**

20. Which pattu is also called as .tie and die.

\_\_\_\_\_.

A. Dharmavaram

B. Pochampally

C. Kanchipuram

D. Benaras

**Answer:**



**Watch Video Solution**

21. The correct relation between speed, distance and time is

A.  $speed = distance \frac{e}{t} ime$

B.  $speed = time \frac{e}{d} istance$

C.  $speed = distance \times time$

D.  $distance = speed \frac{d}{t} ime$

**Answer:**



**Watch Video Solution**

22. 1 kmph =

A.  $\frac{5}{18} m / s$

B.  $\frac{18}{5} m / s$

C.  $\frac{5}{18} cm / s$

D.  $\frac{18}{5} cm / s$

**Answer:**



**Watch Video Solution**

23. X - Silk fibre is made up of sericine and fibroin

Y - Cotton fibres are made up of cellulose and hemicellulose  
The correct statement is

A. X

B. Y

C. X & Y

D. none

**Answer:**



Watch Video Solution

24. Find the mismatched one regarding sericulture.

A. Seeds - Eggs

B. Grinager - Big sized cane frame

C. Chilakalu - Moths

D. Pattukayalu - Cocoon

**Answer:**



**Watch Video Solution**



25. Which of the following is not an oscillary motion?

A. Motion of the hammer of an electric bell

B. Motion of your hands while running

C. Motion of a child on a see saw

D. Motion of a horse pulling a cart

**Answer:**



**Watch Video Solution**

26. The unit of speed in S.I system is

A.  $m / s$

B.  $km / h$

C.  $km / s$

D.  $cm / s$

**Answer:**



**Watch Video Solution**

27.

<b>Time (sec)</b>	<b>0</b>	<b>10</b>	<b>20</b>	<b>30</b>	<b>40</b>
<b>Distance (m)</b>	<b>0</b>	<b>150</b>	<b>300</b>	<b>450</b>	<b>600</b>

The

motion of a car represented by the above data

is

- A. Uniform motion
- B. Non-uniform motion
- C. Both a & b
- D. None

**Answer:**



Watch Video Solution

28. Match the following:

**A**

**B**

1. Century

A. 10 years

2. Millennium

B. 10 centuries

3. decade

C. 10 decades

4. year

D. 365 days

A. 1-B, 2-C, 3-A, 4-D

B. 1-C, 2-A, 3-B, 4-D

C. 1-C, 2-B, 3-A, 4-D

D. 1-C, 2-B, 3-D, 4-A

**Answer:**



**Watch Video Solution**

**29.** In Galileo's thermometer the thermometric substance used is

A. mercury

B. water

C. nitric acid

D. air

**Answer:**



**Watch Video Solution**

**30.**  $37^{\circ} C = -^{\circ} F$

A. 100

B. 0

C. 98.6

D. 180

**Answer:**



Watch Video Solution

31. The normal temperature of human body is

A.  $89.4^{\circ} F$

B.  $98.4^{\circ} C$

C.  $36^{\circ} C$

D.  $98.4^{\circ} F$

**Answer:**



Watch Video Solution

**32.** A liquid used to record low temperature in Six's maximum and minimum thermometer

A. alcohol

B. ether

C. carbonic acid

D. common salt solution

**Answer:**



**Watch Video Solution**



**33.** Statement I : Heat is a form of energy.

Statement II : Heat and energy have same units.

A. Both statements are true

B. Both statements are false

C. I - true and II - false

D. I - false and II - true

**Answer:**



**Watch Video Solution**

34. The melting point and boiling point of water are

A.  $10^{\circ}C, 1^{\circ}C$

B.  $1^{\circ}C, 100^{\circ}C$

C.  $100^{\circ}C, 0^{\circ}C$

D.  $0^{\circ}C, 100^{\circ}C$

**Answer:**



**Watch Video Solution**

**35.** Air is a bad conductor of heat. The presence of air in mud walls of a room is useful in

A. Winter

B. Summer

C. Both a & b

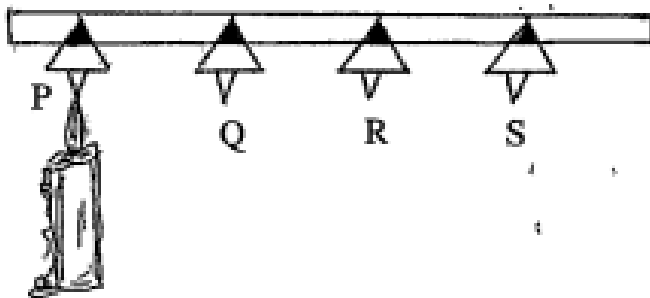
D. none

**Answer:**



**Watch Video Solution**

36. Which one of the paper pins will fall off from the metal rod first?



A. P

B. Q

C. R

D. S

**Answer:**



Watch Video Solution

37. When the temperature of water rises, the rate of evaporation?

A. increases

B. decreases

C. remains the same

D. first decreases and then increases

**Answer:**



**38.** I am a component of food required for body building. Who am I?

A. Fibre

B. Protein

C. Vitamins

D. Carbohydrates

**Answer:**



**39.** It is hot and sweaty at a place. Guess the possible reason for that.

- A. That place is near a river
- B. That place is in coastal regions
- C. That place is in forest
- D. Both a & b

**Answer:**



**Watch Video Solution**

**40.** Ravi wants to measure the temperature of the hot water with clinical thermometer. Kavitha said it is wrong. What may be the reason?

- A. Thermometer will burst
- B. Mercury level doesn't increase
- C. Mercury level falls down
- D. Kink does not works

**Answer:**



**Watch Video Solution**



41. Find the odd one out

A. Rice

B. Potato

C. Egg

D. Wheat

**Answer:**



**Watch Video Solution**

**42.** Your friend wants to visit Kashmir. Which types of clothes would you like to suggest for him to carry?

A. Silk

B. Nylon

C. Cotton

D. Woollen

**Answer:**



**Watch Video Solution**

**43.** The season in which quantity of moisture in the air is high\_\_\_\_\_

A. Summer

B. Winter

C. Rainy

D. None

**Answer:**



**Watch Video Solution**

44. Rain guage is also called as

- A. Udometer
- B. Pulviometer
- C. Ombrometer
- D. All

**Answer:**



**Watch Video Solution**

**45.** Climate of a place can be defined after years of weather observations

A. 5

B. 10

C. 25

D. 50

**Answer:**



**Watch Video Solution**

**46.** Arun buys four bulbs of 15 W, 40 W, 60 W, and 100 W respectively. Which one should be used in his room as night bulb.

A. 15 W

B. 40 W

C. 60 W

D. 100 W

**Answer:**



**Watch Video Solution**

**47.** The decorative bulbs that are arranged at a birthday party or on festival day are set in

- A. Series combination
- B. Parallel combination
- C. Intersecting combination
- D. Zig-zag combination

**Answer:**



**Watch Video Solution**

**48.** The coil of wire in an electric heater is made up of

A. Copper

B. Stainless Steel

C. Nichrome

D. Tungsten

**Answer:**

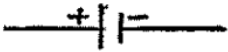


**Watch Video Solution**



49. The symbol of a fuse in an electric circuit is

A.



B.



C.



D.



**Answer:**



**Watch Video Solution**

**50. Unit of electricity is**

A. Volt

B. Ampere

C. Watt

D. KWH

**Answer:**



[Watch Video Solution](#)

51. Now-a-days are using in the places of fuses

A. Miniature circuit breakers

B. Electric meters

C. Digital meters

D. Electric mains

**Answer:**



[Watch Video Solution](#)

**52. PET means**

- A. Compact fluorescent Lamp
- B. Coloured Fuel Lamp
- C. Common Fluorescent Lamp
- D. Conducting Filled Gas Lamp

**Answer:**



**Watch Video Solution**

**53.** The enzyme maltase converts maltose into

- A. Electrical energy into chemical energy
- B. Chemical energy into electrical energy
- C. Chemical energy into light energy
- D. None of these

**Answer:**



**Watch Video Solution**

**54.** Name the Russian scientist who conducted experiments on classical conditioning.

A. Issac Newton

B. Joseph Priestly

C. Micheal Faraday

D. Alexander Fleming

**Answer:**



**Watch Video Solution**

**55.** Statement I : Trace of matrix is defined for square matrices only.

Statement II : Matrix addition is possible for only square matrices.

- A. Both statements are true
- B. Both statements are false
- C. Statement I is true & II is false
- D. Statement I is false & II is true

**Answer:**



**Watch Video Solution**

56. Which of the following shows optical activity ?

A. Air possess weight

B. Air exerts pressure

C. Hot air is less than cold air

D. Air moves from one place to another

**Answer:**



**Watch Video Solution**



57. More cyclones tend to occur in the \_\_\_\_ sea.

A. Indian ocean

B. Bay of Bengal

C. Arabian sea

D. None

**Answer:**



**Watch Video Solution**

58. A cyclone is called \_\_\_\_\_ in the American continent:

A. Laila

B. Typhoon

C. Hurricane

D. Tsunami

**Answer:**



**Watch Video Solution**

59. IMD means. \_\_\_\_\_

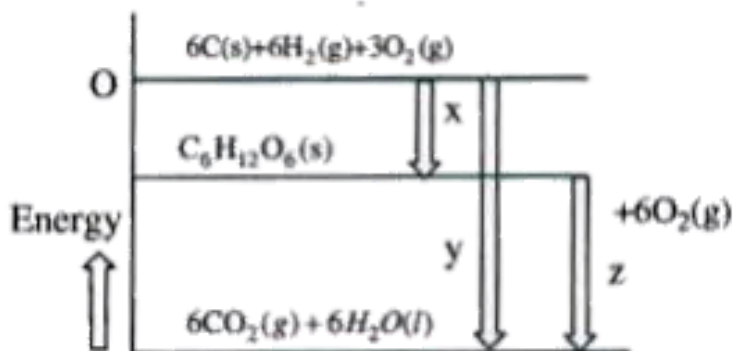
- A. Indian Mythological Department
- B. Indian Monitoring Department
- C. International Machinery Department
- D. Indian Meterological Department

**Answer:**



**Watch Video Solution**

60. Consider the following energy level diagram:



In the given diagram  $z$  refer to

A.

(TLGB\_SCI\_VII\_MP\_01\_E01\_066\_001.png"

width="30%">

B.

```
`(TLGB_SCI_VII_MP_01_E01_066_002.png"
```

```
width="30%")>
```

C.

```
`(TLGB_SCI_VII_MP_01_E01_066_003.png"
```

```
width="30%")>
```

D.

```
`(TLGB_SCI_VII_MP_01_E01_066_004.png"
```

```
width="30%")>
```

**Answer:**



Watch Video Solution

61. Name the apparatus, shown in the figure?

(##BRS\_QB\_BIO\_X\_C03\_E13\_008\_Q01.png"

width="80%">

- A. Convex mirror
- B. Concave mirror
- C. Plane mirror
- D. Both a and b

**Answer:**



Watch Video Solution

62. Which of these is NOT required for photosynthesis?

A.  $CO_2$

B.  $H_2O$

C. Glucose

D. Sunlight

**Answer:**



63. An example for a total stem parasite.

A. Cuscuta

B. Mistletoe

C. Hydrilla

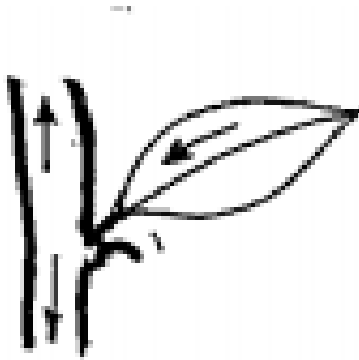
D. All

**Answer:**





64. The arrows in the diagram shows the path taken by the



A. Food

B. sunlight

C. Water

D.  $CO_2$

**Answer:**



**Watch Video Solution**

**65.** Assertion A : Only some micro organisms can fix atmospheric nitrogen.

Reason R : Nitrogen is present abundantly in atmosphere.

A. A & R are correct, R is a correct explanation of A

B. A & R are correct, R is not a correct explanation of A

C. A is false but R is true

D. A is true but R is false

**Answer:**



**Watch Video Solution**

**66.** Which of the following is the characteristic feature of organisms exhibiting symbiosis?

- A. Organisms feed on dead and decaying organic matter
- B. Organisms trap and feed on insects
- C. Two organisms live together and gets benefited from each other
- D. An organisms which grows as parasite on the body of the other.

**Answer:**



**Watch Video Solution**

**67.** The percentage of  $CO_2$  present in air by volume is

A. 0.21

B. 0.79

C. 0.0004

D. 0.04

**Answer:**



**Watch Video Solution**

**68.** Joseph Black called gas as fixed air.

- A. Oxygen
- B. Carbon dioxide
- C. Hydrogen
- D. Chlorine

**Answer:**



[Watch Video Solution](#)

69. \_\_\_ are the respiratory organs of fish

A. Gills

B. Lungs

C. Skin

D. Nose

**Answer:**



[Watch Video Solution](#)

70. Number of stamens in Datura flower.

A. 5

B. 10

C. 6

D. 4

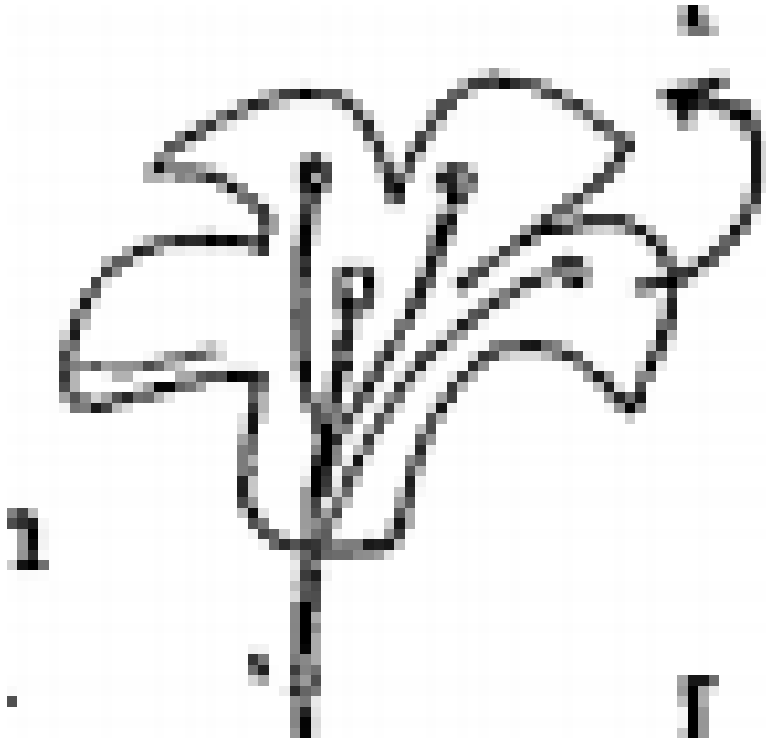
**Answer:**



**Watch Video Solution**



71. Name the process you have observed in given figure.



A. Self pollination

B. Budding

C. Cross pollination

D. Vegetative propagation

**Answer:**



**Watch Video Solution**

**72.** Which of the following statements are true for unisexual flowers?

A. They possess both stamen and pistil

B. They possess either stamen or pistil

C. They exhibit cross pollination

D. Unisexual flowers possessing only  
stamens cannot produce fruits.

**Answer:**



**Watch Video Solution**

**73.** The following word equation shows a chemical process take place in an organism Y.

*Glucose*  $\rightarrow$  *Ethylalcohol* + *Carbondi oxide*

. What is organism Y?

A. Algae

B. Protozoan

C. Yeast

D. Hydra

**Answer:**



**Watch Video Solution**

**74.** Name two chemicals used to disinfect the water.



 [Watch Video Solution](#)

**75.** What happens if leaves of a green plant are coated with oil?



[Watch Video Solution](#)

**76.** If you see water running off from a public tap, what would you do about it?



[Watch Video Solution](#)

**77.** State the differences between convex and concave mirrors.



**Watch Video Solution**

**78.** What is cyclone and its effects on environment? What type of questions would you ask persons in the meteorological station about it?



**Watch Video Solution**

**79.** You want to collect information about forest area and forest products in our State. For this prepare a model information table.



**Watch Video Solution**

**80.** Forests are lungs of our mother earth. They are so many problems due to deforestation. To overcome this what suggestions you would like to implement. Suggest any four of yours.



**Watch Video Solution**

**81.** What is adsorption ? Explain different types of adsorptions with suitable examples.



**Watch Video Solution**

**82.** Do all flowers have same parts? Give examples of some flowers and explain your answer.



**Watch Video Solution**



**83.** Explain your understanding about various stages in making of wool.



**Watch Video Solution**

**84.** List out the food components which are present in the mid-day meal served at your school. Is it balanced diet? Support your answer.



**Watch Video Solution**

**85.** Turmeric paper is a natural indicator, along with turmeric indicator paper, we can also prepare other natural indicators mentioned in the table below. Carry on tests and record your observations on the given table.



**Watch Video Solution**

**86.** Read the following passage. Correct it into a tabular form.

Soil is make up of distinct horizontal layers called Horizons. They are divided into O, A, E, B,

c and R horizons. O-horizon made of mostly of humus, Plant roots can grow in A-horizon, Water drips through E-horizon. B-horizon is also called subsoil. C-horizon consists of slightly broken up bedrock where as R-horizon have unweathered Rock.



[Watch Video Solution](#)

**87.** Draw the diagram of a Anemometer and mention its uses.



[Watch Video Solution](#)

**88.** Which food material is rich in fat?

A. Potato

B. Milk

C. Ghee

D. Biscuit

**Answer:**



**Watch Video Solution**

**89.** Identify the correct statement.

A. If one bulb is fused off all the remaining bulbs glow in series circuit

B. If one bulb will not glow the remaining bulbs also will not glow in series circuit

C. If one bulb will fuse off the remaining bulbs will not glow in parallel circuit

D. All the bulbs will glow in parallel circuit

**Answer:**

---



[Watch Video Solution](#)

90. Movement of minutes hand in a clock.

A. Translatory

B. Oscillatory

C. Rotatory

D. Periodic

**Answer:**



[Watch Video Solution](#)

91. Incorrect statement of the following questions.

A. Second in the unit of time

B. All the objects have similar movements

C. Speed of a car is measured in kilometers/hour

D. Total movement of vehicles is not with same speed

**Answer:**





Watch Video Solution

92. Insectivorous plant.

A. Rosa Sinesis

B. Nepenthes

C. Teak

D. Aloe Vera

**Answer:**



Watch Video Solution



**93.** Chemical name is used in the preparation of Cake.

A. Salt

B. Washing Soda

C. Cooking Soda

D. Potassium

**Answer:**



**Watch Video Solution**

**94.** Lungs of the earth.

A. Forests

B. Seas

C. Deserts

D. Towns

**Answer:**



**Watch Video Solution**

**95.** Energy giving food substances.

A. Carbohydrates

B. Proteins

C. Vitamins

D. Water

**Answer:**



**Watch Video Solution**

**96.** Acid present in curd.

A. Lactic acid

B. Acetic acid

C. Citric acid

D. Vinegar

**Answer:**



**Watch Video Solution**

**97.** Normal body temperature of a man

A.  $38^{\circ}C$

B.  $37^{\circ}C$

C.  $36^{\circ} C$

D.  $40^{\circ} C$

**Answer:**



**Watch Video Solution**

**98.** Choose the correct statement.

A. substance will reduce on heating

B. substance will not dissolves on heating

C. substances will contract on heating

D. substances will retract on heating

**Answer:**



**Watch Video Solution**

**99.** The dampnes of air is called.

A. Pressure

B. Humidity

C. Evaporation

D. Diffusion

**Answer:**



**Watch Video Solution**

**100.** Kind of cloth that protects is from cold.

A. Cotton

B. Silk

C. Wool

D. Polyester

**Answer:**



Watch Video Solution

**101.** Which is a true statement.

A. Fibre food material causes constipation

B. Fibre food material is a factor of  
constipation

C. Fibre food material eliminates  
constipation

D. Fibre food material is present in rice



**Answer:**



**Watch Video Solution**

**102.** Which kind of soil retains the water molecules?

A. Clay

B. Sandy

C. Loam soil

D. Gravel

**Answer:**



**Watch Video Solution**

**103.** Metal that rusts due to the exposure of humidity.

A. Iron

B. Gold

C. Steel

D. Aluminium

**Answer:**



**Watch Video Solution**

**104.** Statement which is not true.

A. The humidity of Vijayawada is more than

Hyderabad

B. The humidity of Nellore is more than

Ananthapur

C. The humidity is more at Coastal area during summer

D. The humidity is less in Kakinada than Kadapa

**Answer:**



**Watch Video Solution**

**105.** The amount of an ion liberated on an electrode during electrolysis does not depend upon:

- A. Type of wire
- B. Thickness of wire
- C. Nature of wire
- D. Color of wire

**Answer:**



**Watch Video Solution**