

**Elementary Education (Class-8th) Completion Certificate
Examination 2019**

Subject : Science

Time : 2.30 hrs.

Total Marks : 100

Roll No. (In figure) (In words)

Name of Student Name of School

Signature of Invigilator Signature of Valuer

Obtained marks (In figure) (In words)

Instructions :

- 1. Attempt all questions.**
- 2. Choice is provided in questions 13, 14 and 15.**
- 3. Write the answer to the questions in the space provided.**

Q. 1. (A) Choose and write down the correct answer : (10-Marks)

(i) The fuel formed by the decomposition of the remains of dead organism, inside the earth due to high pressure and temperature is called :

- | | |
|------------------|----------------------|
| (a) Nuclear fuel | (b) Fossil fuel |
| (c) Thermal fuel | (d) Underground fuel |

Ans.

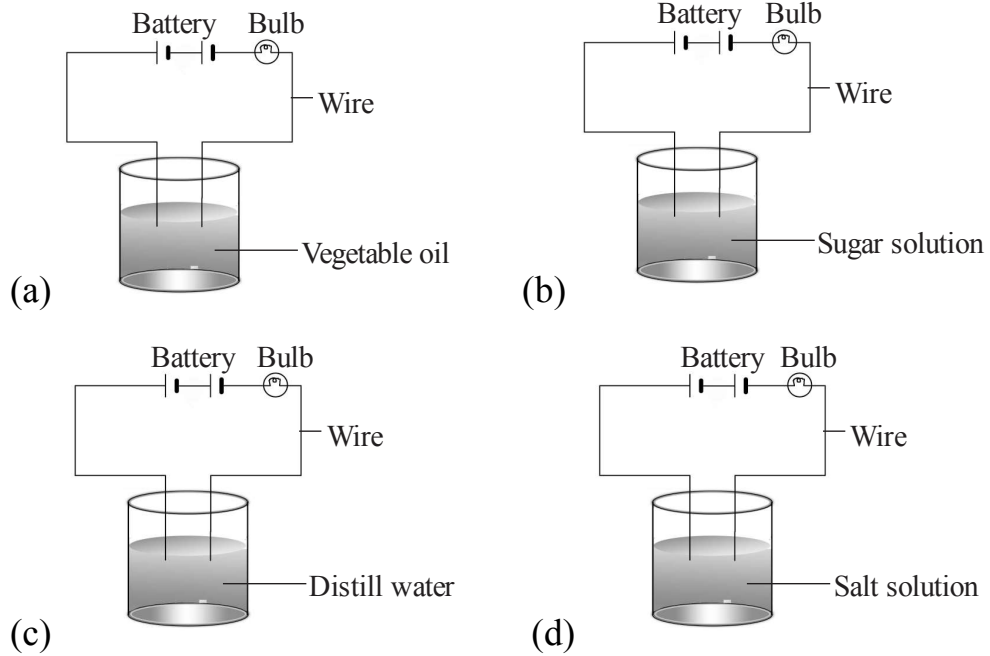
(ii) Which row in the following table is wrong ?

Row no.	Name of disease	Communicable disease	Genetic disease
1	AIDS	✓	✗
2	Sickle cell	✗	✓
3	Rabies	✗	✓

- | | |
|--------------------|--------------------------|
| (a) Only row no. 1 | (b) Only row no. 2 |
| (c) Only row no. 3 | (d) Row no. 2 and 3 both |

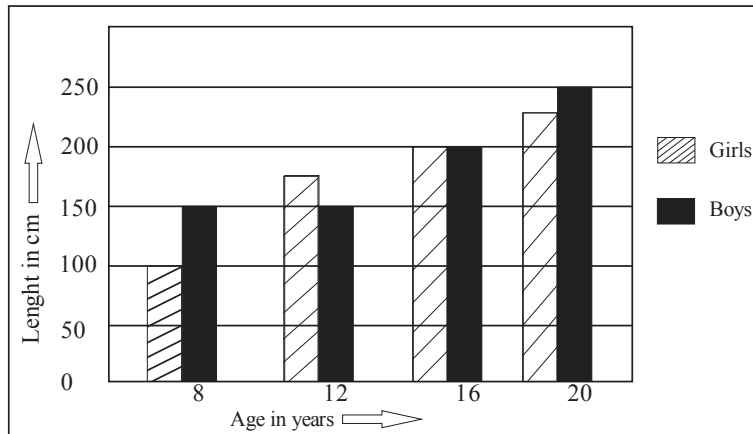
Ans.

(iii) Observe the diagrams given below and predict, in which case the bulb will glow :



Ans.

(iv) Study the bar graph given below find out in which age group girls are taller than boys.



- (a) 8 years
- (b) 12 years
- (c) 16 years
- (d) 20 years

Ans.

(v) In the school iron tablets are given every week. Against which disease are you protected by taking these pills?

- (a) Night blindness
- (b) Anaemia
- (c) Giotre
- (d) Scurvey

Ans.

(B) Match the following columns A and B : (10-Marks)

A	B	Correct Answer
(a) Electroplating	- Graphite	-----
(b) Planting method	- Testosterone	-----
(c) Lubricant	- Virus	-----
(d) Female hormone	- Layer of chromium	-----
(e) Polio	- Onion	-----
	- Estrogen	
	- Bacteria	

Answer the following questions (Very short answer type questions)

Q. 2. Write the names of four sources of energy. (4 marks)

Ans.
.....
.....
.....

Q. 3. Birds are destroying the crops is Hari's farm, suggest him two methods to protect his crops against birds. (4 marks)

Ans.

Q. 4. Name one source and one of the deficiency disease caused due to deficiency of the following vitamins. (4 marks)

Vitamins	Source	Deficiency disease
Vitamin A		
Vitamin C		

Q. 5. When food items like 'Bhajiya' or 'Samosas' are bought from the market, they are wrapped in paper, the paper become semi transparent why ? (4 marks)

Ans.

Q. 6. Write two points of differences. (4 marks)

S. No.	Common red blood cells	Sickle cell red blood cells
1.	<hr/> <hr/> <hr/>	<hr/> <hr/> <hr/>
2.	<hr/> <hr/> <hr/>	<hr/> <hr/> <hr/>

Q. 7. Mention any two changes generally found in adolescent boys and any two changes found in adolescent girls. (4 marks)

Ans.
.....
.....
.....

Answer the following questions (Short answer type questions)

Q. 8. What is the process of coating a metal over another metal by passing electric current called ? Explain the process giving two example from your daily life. (6 marks)

Ans.
.....
.....
.....
.....
.....
.....

Q. 9. Draw a neat and labeled diagram of a 'Voltaic Cell". (6 marks)

Ans.

Q. 10. Classify the following crops on the basis of their major nutrient requirement as fertilizers. (6 marks)

Peas, Cabbage, Jimikanda (Yam), spinach (Palak), Gram, Sweet patoto.

Fertilizers	Name of Crops
1. Nitrogenous fertilizer	
2. Phosphatic fertilizer	
3. Potassium fertilizer	

Q. 11. Doctor advised Shyama to take ORS. What is Shyama deficient of ? How can you prepare ORS at home ? (6 marks)

Ans.
.....
.....
.....
.....
.....
.....
.....

Q. 12. Differentiate between the following and also give example for each. (6 marks)

(A)

S. No.	Viviparous animal	Oviparous animal

(B)

S. No.	Internal fertilization	External fertilization

Answer the following questions (Short answer questions)

Q. 13. (A) Draw a well labeled diagram of a solar cooker. (8 marks)

(B) Why are the solar cooker boxes painted black ?

(C) How is the use of solar cooker beneficial to the environment ?

Ans.
.....
.....
.....
.....
.....
.....
.....
.....
.....

Or

How is electricity produced with the help of high tides and low tides sea bays, explain with the help of diagram.

Ans.

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

Q. 14. (A) What is frictional force? Explain with example. (8 marks)

(B) Mention two method each for increasing and reducing friction.

Or

(A) What do you understand by natural disaster? Mention four natural disasters.

(B) What is an earthquake? Write two precautions that should be taken as a protection against earth quakes.

Ans.

.....

.....

.....

.....

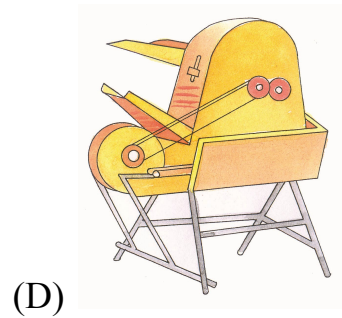
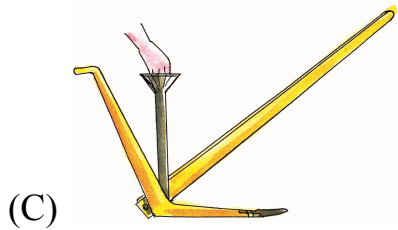
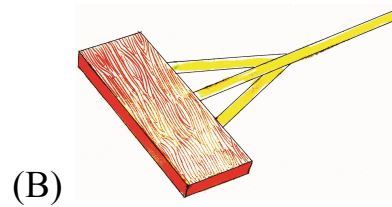
.....

.....

.....
.....
.....

Answer the questions (Essay answer questions)

Q. 15. Identity and name of the implements given in the picture. Also write their working process in farming. (10 marks)



Or

(A) Write the different kinds of crops according to the season they are grown in. Give examples.

(B) What are hybrid seeds ? Explain.

Ans.
.....
.....
.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....

.....