

# ಕರ್ನಾಟಕ ಶಾಲಾ ಪರೀಕ್ಷೆ ಮತ್ತು ಮೌಲ್ಯನಿರ್ಣಯ ಮಂಡಲ

ಕೆಎಸ್‌ಕೆಎವಿಸಿ, ಮಲ್ಲೇಶ್ವರಂ, ಬೆಂಗಳೂರು-560003.

KARNATAKA SCHOOL EXAMINATION AND ASSESSMENT BOARD

KSQAAC, Malleshwaram, Bengaluru-560003.

ಮೌಲ್ಯಾಂಕನ - ಮಾರ್ಚ್ 2023 - ಮಾದರಿ ಪ್ರಶ್ನೋತ್ತರ ಪತ್ರಿಕೆ

Assessment - March 2023 Model Paper

Class : 8

Subject : Science

Marks : 40

Medium : English

Time : 2 Hours

## Information to be filled by the Student

Name of the Student : \_\_\_\_\_

Student SATS No :

Signature  
of the Student : \_\_\_\_\_

## Information to be filled by the Room Invigilator

School DISE Code :

School Name : \_\_\_\_\_

Cluster : \_\_\_\_\_ Block : \_\_\_\_\_ District : \_\_\_\_\_

School Type : Govt.  Aided  Un-aided

(Put "✓" mark for applicable information)

Signature of the Room Invigilator : \_\_\_\_\_

## Information to be filled by the Evaluator at the time of evaluation

Question Number	Obtained marks	Question Number	Obtained marks	Question Number	Obtained marks
1		11		21	
2		12		22	
3		13		23	
4		14		24	
5		15		25	
6		16		26	
7		17		27	
8		18		28	
9		19		-	
10		20		-	
Total marks		Total marks		Total marks	
				Grand Total	

Total marks obtained (in words) : \_\_\_\_\_

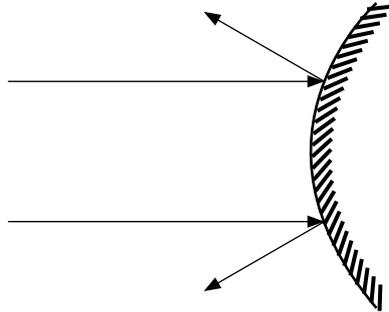
Signature of the Evaluator : \_\_\_\_\_

Name of the Evaluator : \_\_\_\_\_

- I Four alternatives are given for each of the following questions/ incomplete statements. Choose the correct alternative and write the complete answer along with the correct option for question numbers 1 to 20.**

**20 x 1 = 20**

1. The following picture represents,



- A. Concave mirror                      B. Concave lens  
C. Convex lens                          D. Convex mirror

Answer:  \_\_\_\_\_

2. The red planet in the solar system

- A. Earth              B. Mars              C. Jupiter              D. Neptune

Answer:  \_\_\_\_\_

3. The mirror used by a vehicle driver to see the vehicles coming from behind and its property is,

- A. Convex mirror, converge light.  
B. Concave mirror, diverge light.  
C. Plane mirror, image appears clearly.  
D. Irregular mirror, distant objects appear clearly.

Answer:  \_\_\_\_\_

4. The comet appears to have a bright head and a long tail. Because it's,
- A. tail grows longer as it approaches the Sun
  - B. tail grows longer as it approaches the Moon
  - C. movement become slow as it reach the earth
  - D. orbital period around the sun is very short

Answer:  \_\_\_\_\_

5. Fisherman residing near the sea shore are informed about the warning given by the meteorological department by a radio station to not to go to sea for the next 3 days due to extreme weather condition. The celestial body which provide this information to the meterological department is,
- A. Meteor
  - B. Moon
  - C. Comet
  - D. Artificial satellite

Answer:  \_\_\_\_\_

6. A student is observing sky at night. Imagines that when line is drawn between stars of a constellation the formed structure appears as a hunter. The constellation is,
- A. Great bear
  - B. Orion / hunter
  - C. Cassiopeia
  - D. Leo major

Answer:  \_\_\_\_\_

7. The activity given below is good for eyes
- A. Reading books in dim light
  - B. Rubbing the eyes when dust particles enter
  - C. Not to see the Sun or intense light through naked eyes
  - D. Reading book from shortest distance

Answer:  \_\_\_\_\_

8. A white light ray passes through a prism and disperse into 7 different colours. The reason for this phenomenon is,
- A. Refraction of light
  - B. Convergent of light
  - C. Polarisation of light
  - D. Interference of light

Answer:  \_\_\_\_\_

9. Identify the combustible substance among the following
- A. Stone
  - B. Glass
  - C. Dry grass
  - D. Iron nail

Answer:  \_\_\_\_\_

10. The best conductor of electricity among the following
- A. Copper wire
  - B. Steel pin
  - C. Iron nail
  - D. Magnesium wire

Answer:  \_\_\_\_\_



14. Teacher instructs the students not to take out the sodium stored under kerosene in laboratory. Because sodium in air,

- A. Evaporates
- B. Burns rapidly
- C. Burns slowly
- D. Dissolves

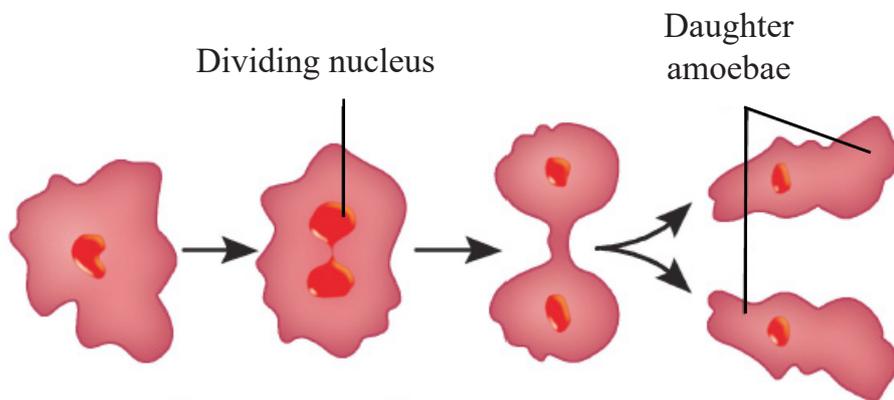
Answer:  \_\_\_\_\_

15. This is called the "living substance" of the cell

- A. Nucleus
- B. Cell wall
- C. Protoplasm
- D. Cytoplasm

Answer:  \_\_\_\_\_

16. The type of asexual reproduction in the given diagram is,



- A. Budding
- B. Binary fission
- C. Fragmentation
- D. Vegetative

Answer:  \_\_\_\_\_

17. Suggestion given by the doctor to maintain personal hygiene is to,

- A. Intake nutritional food
- B. Do physical exercise
- C. Intake medicines
- D. Take bath daily

Answer:  \_\_\_\_\_

18. A boy comes to know from the teacher that the adult frogs emerge out from the tadpoles which can jump and swim. The reason for this process is

- A. Metamorphosis
- B. Internal fertilisation
- C. External fertilisation
- D. Budding

Answer:  \_\_\_\_\_

19. A conscious customer purchases an electric car instead of petrol and diesel car. The reason behind this is

- A. Cost is low
- B. Produce loud noise while driving
- C. Can drive with high speed
- D. Does not cause air pollution

Answer:  \_\_\_\_\_

20. While watching the news in television, a student gets information about the steps taken to decrease the global warming. One of the possible action is,
- A. Use of public transport, alternate source of energy.
  - B. Using fossil fuels.
  - C. Importance to use personal vehicles.
  - D. Using maximum glass windows in multi storage buildings.

Answer:  \_\_\_\_\_

**II. Answer questions 21 to 28 in the space provided.**

21. What is air pollution? Give any two reasons for air pollution. 2 Marks

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Or

What is smog? How is smog produced ?

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22. Which hormone starts to secret in girls when reach the adolescence period.  
Write any one function of it. 2 Marks

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Or

Write any two characteristics in the mental health development of adolescents?

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23. What is an Earthquake? Name any two areas in India that fall under the danger-zone. 2 Marks

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Or

Name the scale used to measure the magnitude of Earthquake. What should be the required measurement of the scale to cause destructions?

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10

24. Which is the best extinguisher used to extinguish the rapidly combustible fuel like petrol? Why is that extinguisher used? 2 Marks

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Or

Write any three scientific factors which support an object to burn.

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25. Draw a ray diagram which shows the angle of reflection when the angle of incidence is  $40^\circ$ . 2 Marks

Or

Draw a diagram that shows the incidence and reflection of light rays falling on a irregular surface.

26. Generally, the cycle rims are coated with chromium. Give 3 reasons for this.

3 Marks

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Or

"Now-a-days the iron bridges are long lasting". Justify this sentence.

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[ Turn over

27. In the solar system, name the only planet in which life exists. List out the supporting factors responsible for the existence of life on that planet.

3 Marks

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Or

Which are the outermost planets in the solar system? Write any one characteristic of any two planets.

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28. Draw the diagram of a plant cell and label the following parts. 4 Marks

(I) Cell wall

(ii) Nucleus

(iii) Vacuole

(iv) The organelle that carries out photosynthesis