

KARTET 2021

PRACTICE PAPER 02

SCIENCE

30 X 1 = 30 Marks

For Science Practice Paper 01 VISIT : www.amkresourceinfo.com

1. The longest snakes found in the world are—

- | | |
|---------------|-------------------------|
| (1) vipers | (3) boas |
| (2) anacondas | (4) reticulated pythons |

2. Yoga is done by the people in the world because—

- | | |
|-----------------------------|-------------------------|
| (1) it is a simple exercise | (3) it increases hunger |
| (2) it keeps people healthy | (4) it brings happiness |

3. The vaccine for smallpox was discovered by—

- | | |
|-----------------|-----------------------|
| (1) Ronald Ross | (3) Edward Jenner |
| (2) Robert Koch | (4) Alexander Fleming |

4. Which one of the following is used as preservative?

- | | |
|---------------------|-----------------------|
| (1) Copper sulphate | (3) Ammonium sulphate |
| (2) Sodium benzoate | (4) Sodium chloride |

5. Yeast is used for the production of—

- | | |
|-------------|-----------------|
| (1) alcohol | (3) sugar |
| (2) curd | (4) common salt |

6. Mitochondria : ATP :: Ribosome : ?

- | | |
|------------------|-------------|
| (1) Carbohydrate | (3) Protein |
| (2) Fat | (4) Vitamin |



7. If the frequency of a simple pendulum is 2 Hz, how many oscillations will it complete in 16 seconds?

- | | |
|--------|--------|
| (1) 8 | (3) 32 |
| (2) 16 | (4) 64 |

8. Which one of the following metals burns if kept in air?

- | | |
|---------------|---------------|
| (1) Sodium | (3) Zinc |
| (2) Magnesium | (4) Aluminium |

9. Magnesium hydroxide $[Mg(OH)]_2$ is used as—

- (1) oxidizing agent
- (2) reducing agent
- (3) anti-acid
- (4) fermentation agent

10. Which one of the following gases burns with pop sound?

- (1) Oxygen
- (2) Hydrogen
- (3) Nitrogen dioxide
- (4) Sulphur dioxide

11. Which of the following is/are example(s) of non-contact force?

- (1) Gravitation force
- (2) Muscular force
- (3) Magnetic force
- (4) Both (1) and (2)

12. Diabetes is controlled by _____ hormone.

- (1) thyroxine
- (2) adrenaline
- (3) insulin
- (4) thymosin

13. Which one of the following is not a product of petroleum?

- (1) Kerosene
- (2) CNG
- (3) Paraffin wax
- (4) Bitumen

14. Red Data Book contains a record of—

- (1) endangered species
- (2) extinct species
- (3) flora
- (4) fauna

15. Why are the soles of the shoes treaded?

- (1) To give the shoes more protection
- (2) To decrease friction
- (3) To increase friction
- (4) To increase life of the shoes



16. Sarika took distilled water in a bottle and tried to find whether it conducts electricity or not. What is she likely to find?

- (1) It is good conductor of electricity.
- (2) It is an insulator.
- (3) It is poor conductor of electricity.
- (4) None of the above

17. Which one of the following statements is not correct?

- (1) There is a minimum limit of current which can safely flow in the electric circuit.
- (2) There is a maximum limit of current which can safely flow in the electric circuit.
- (3) Fuses are inserted in electric circuits of all the buildings.
- (4) If the proper fuse is inserted in a circuit, it will blow off if the current is more than the safe limit.



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18. Which one of the following places is most likely to be affected by a cyclone?

- (1) Porbandar
- (2) Puri
- (3) Mumbai
- (4) Goa

19. The change in seasons on the earth occurs because—

- (1) the axis of rotation of the earth is perpendicular to the plane of its orbit
- (2) the axis of rotation of the earth is tilted with respect to the plane of its orbit
- (3) the distance between the earth and the sun is not constant
- (4) the axis of rotation of the earth is parallel to the plane of its orbit

20. Why is formative assessment important in science?

- (1) It is easy to conduct.
- (2) It helps in developing scientific temper in students.
- (3) It is diagnostic.
- (4) It helps in better understanding of science



21. Why are science fairs organized in schools?

- (1) To prepare students for higher education in science
- (2) To help the students to score higher in their examination
- (3) To nurture creativity and experimentation in science among students
- (4) To evaluate students on the basis of their performance

22. As a teacher, which one of the following do you find most appropriate for scientific approach to teaching?

- (1) Clarify the students about the concepts in the class
- (2) Show the use of technology for teaching concepts
- (3) Give projects to the students
- (4) Ask the students to perform activities related to the concepts

23. According to NCF–2005, “good science education is true to life”. What does this mean?

- (1) Science should prepare the child to the world of work.
- (2) Science should be able to engage the child meaningfully.
- (3) Science should enable the child in learning the processes of acquiring scientific knowledge.
- (4) Science should help in living easy life

24. Which one of the following is not a quality of scientific attitude?

- (1) Open-mindedness
- (2) Curiosity to learn more
- (3) Objectivity in approach to problems
- (4) Hard work

86. Hari wants to teach the circular motion to class VI students.

25. Which one of the following will be the best method?

- (1) Discussion
- (2) Activity-based teaching
- (3) Giving examples
- (4) Demonstration



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26. Which one of the following is an important aim of learning science?
- (1) To get knowledge of science
 - (2) To collect the information of science contents
 - (3) To imbibe the values of honesty, integrity and cooperation among learners
 - (4) To help the fellow colleagues in getting knowledge of science
27. The continuous and comprehensive evaluation in science means—
- (1) summative and formative assessment
 - (2) more frequent test and examination
 - (3) routine activities and exercises to assess learning
 - (4) evaluation of all aspects of science
28. Which one of the following is not a step of problem-solving approach?
- (1) Visualizing the situation
 - (2) Attempt to solve
 - (3) Drawing conclusion
 - (4) Observation
29. Which one of the following is a step of analogy strategy in science?
- (1) Map similarities
 - (2) Presentation of abstraction
 - (3) Interlinking concepts
 - (4) Application
30. An air bubble in water will act like a
- (1) convex mirror
 - (2) convex lens
 - (3) concave mirror
 - (4) concave lens



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