

KENDRIYA VIDYALAYA SANGATHAN AGRA REGION

SAMPLE QUESTION PAPER (SEE-TERM- II) 2021-22

CLASS VIII

SUBJECT - SCIENCE

TIME: 90 MIN.

M.M. 40

INSTRUCTIONS:

- 1. The question paper comprises four sections. Attempt all sections.**
- 2. All questions are compulsory.**

OBSERVATION AND REPORTING 1x10 = 10

1. Secondary sexual characters start appearing after:

- | | |
|---------------|-------------------|
| (a) Menopause | (b) Puberty |
| (c) Birth | (d) None of these |

2. Sound can travel through:

- | | |
|----------------|---------------------------|
| (a) Gas only | (b) Liquid only |
| (c) Solid only | (d) Solid, Liquid and Gas |

3. The gas used in refrigerating appliance causing serious damage to ozone is

- | | |
|----------|----------|
| (a) MFCs | (b) CFCs |
| (c) LPCs | (d) DPCs |

4. The celestial bodies that revolve around the Sun in highly elliptical orbit are-

- | | |
|---------------|-------------|
| (a) Comets | (b) Meteors |
| (c) Asteroids | (d) Planets |

5. Which of the following results in diffused reflection?

- (a) Plane mirror
- (b) Shiny surface
- (c) Silver
- (d) Wood

6. Which of the following statements is incorrect?

- (a) Friction acts on a ball rolling along the ground
- (b) Friction acts on a boat moving on water
- (c) Friction acts on a bicycle moving on a smooth road
- (d) Friction does not act on a ball moving through air

7. Given below are events that lead to pregnancy and development of embryo.

- (i) Fertilisation of egg
- (ii) Maturation of egg
- (iii) Release of egg
- (iv) Embedding of embryo in uterus

Which of the following options gives the correct order of sequence in which they occur?

- (a) (i), (ii), (iii), (iv)
- (b) (ii), (i), (iii), (iv)
- (c) (i), (iv), (ii), (iii)
- (d) (ii), (iii), (i), (iv)

8. During dry weather, while combing hair, sometimes we experience hair flying apart. The force responsible for this is

- (a) force of gravity
- (b) electrostatic force
- (c) force of friction
- (d) magnetic force

9. An object is vibrating at 50 Hz. What is its time period?

- (a) 0.02 s
- (b) 2 s
- (c) 0.2 s
- (d) 20 s

10. In a large commercial complex there are four ways to reach the main road. One of the path has loose soil, the second is laid with polished marble, the third is laid with bricks and the fourth has gravel surface. It is raining heavily and Paheli wishes to reach the main road. The path on which she is least likely to slip is

- (a) loose soil
- (b) polished marble
- (c) Bricks
- (d) gravel

IDENTIFICATION AND CLASSIFICATION

11. Name the male and female sex hormones. 1
12. Name the two major gases responsible for corrosion of the marble of Taj Mahal. 1
13. Suppose you are outside your home and an earthquake strikes. What precaution would you take to protect yourself? 2
14. Find the pressure if force exerted is 200 N and the area of the surface is 200 cm². 2
15. Differentiate between the following: 4
- (a) Star and planet
- (b) Asteroid and comet

DISCOVERY OF FACTS

16. Name the comet which appears after every 76 years? 1
17. What is a blind spot? 1
18. Lightning can be seen at the moment when it occurs. Surya observes lightning in his area. He hears the sound 5 s after he observed lightning. How far is he from the place where lightning occurs? (speed of sound = 330 m/s). 2
19. Sportsmen use shoes with spikes. Explain why? 2
20. Read the following paragraph carefully and answer the questions on the basis of facts in them: 4
- “Eye can be compared with camera, eye-lid is like shutter. Retina is like film. Pupil controls the amount of light entering the eye”.
- (a) Which part of eye help in focusing the image on the screen?
- (b) Which part of eye acts as screen?
- (c) Which muscles controls the size of pupil?
- (d) Name the vitamin that helps for good eyesight.

APPLICATION AND SKILL

21. Define electroplating? Write any 2 uses of it? 2
22. What do you mean by electric discharge? How does it occurs? 2
23. Show with the help of a diagram that lemon juice and vinegar are good conductors of electricity. 2
24. Draw constellations Orion and Great bear showing correct positions of all the stars 4

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