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Name of the student: Div:

Name of the School:

Each Question carries 2 marks.

1. Deepak said to Nitin, " That boy playing football is the younger of the two brothers of the daughter of my father's wife. " How is the boy playing football related to Deepak?

- a. Son
- b. Brother
- c. Cousin
- d. Nephew

2. Who has been conferred with the 31st Vyas Samman on 25 August 2022?

- a. Dr. Asghar Wajahat
- b. Sudha Murty
- c. Devdutt Pattanaik
- d. R.K. Narayan

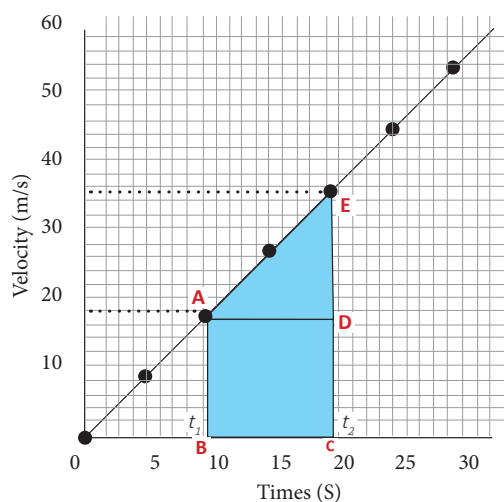
3. The controversial novel written by Aravind Adiga about the Indian caste system is.

- a. Selection Day
- b. Amnesty
- c. The White Tiger
- d. None of these

4. The amount of solute present per unit volume or per unit mass of the solution/solvent is known as

- a. Composition of solute
- b. Concentration of a solvent
- c. Concentration of a solute
- d. Concentration of a solution

5. The velocity of the body at the point B is



- a) 40 m/s
- b) 20 m/s
- c) 36 m/s
- d) 50 m/s

6. Why was the Thomson's Model of an atom failed?

- (i) It could not explain the screening of negative charges from that of positive
- (ii) It did not tell about the presence of electrons
- (iii) It did not give an idea about the discrete energy levels
- (iv) It explained the atom as a whole to be electrically neutral

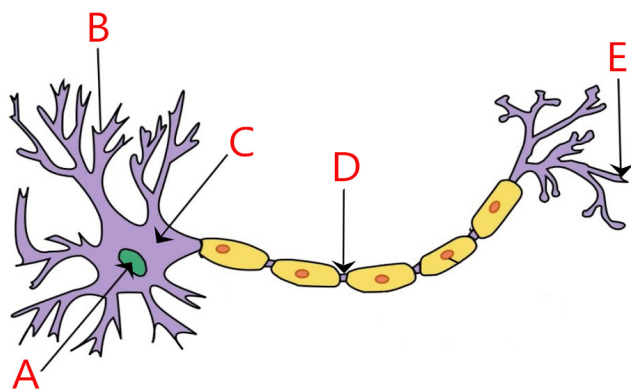
Choose the correct option from the following:

- a. Only (iii)
- b. Both (i) & (iii)
- c. Only (i)
- d. Both (ii) & (iv)

7. Which of the following statement marks as a difference between plant cell and animal cell?

- a. Plant cells have cell wall which animal cells do not.
- b. Plant cells do not have vacuole while animal cells do have.
- c. Plant cells have only cell membrane while animal cells have both cell wall as well as cell membrane.
- d. Plant cells have more plastids while animal cells have few plastids.

8. Given below is a diagram showing the structure of a neuron tissue.



Neuron

Choose the correct labeling for the parts A, B, C, D and E.

- a) A – Nucleus; B – Cell body; C – Dendrite; D – Axon; E – Nerve ending.
- b) A – Nucleus; B – Dendrite; C – Cell body; D – Nerve ending; E – Axon.
- c) A – Nucleus; B – Axon; C – Cell body; D – Dendrite; E –Nerve ending.
- d) A – Nucleus; B – Dendrite; C – Cell body; D – Axon; E – Nerve ending

9. You have a bag of cotton and an iron bar, indicating mass of 100 kg, when measured on a weighing machine. In reality:

- a. cotton is heavier than iron
- b. cotton and iron are equally heavy
- c. iron is heavier than cotton
- d. none of the above

10. Condensation : Sublimation : Vapourisation -

- a. These terms are used in Physics
- b. These terms show the chemical reaction.
- c. These terms are used to denote change of form from one state to another state
- d. These terms are used to denote different states of liquid.

11. UIDAI has launched a new mobile app named which to perform face authentication?

- a. Face Recognition
- b. Aadhaar Face Recognition
- c. Face Identifier
- d. AadhaarFaceRd

12. Which education board has launched the mobile application "Dost for Life"?





- a. ICSE Board
- b. CBSE Board
- c. Open Board
- d. All of above

13. Find the statement that must be true according to the given information.

The Pacific yew is an evergreen tree that grows in the Pacific Northwest. The Pacific yew has a fleshy, poisonous fruit. Recently, taxol, a substance found in the bark of the Pacific yew, was discovered to be a promising new anticancer drug.

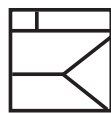
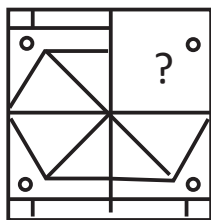
- a. Taxol is poisonous when taken by healthy people.
- b. Taxol has cured people from various diseases.
- c. People should not eat the fruit of the Pacific yew.
- d. The Pacific yew was considered worthless until taxol was discovered.

14. Look carefully at the sequence of symbols to find the pattern. Select correct pattern.

(1)  (2)  (3)  (4) 

- a) 1
- b) 2
- c) 3
- d) 4

15. Identify the figure that completes the pattern



- a) 1
- b) 2
- c) 3
- d) 4

“Has a snake ever coiled itself round any part of your body? A full-blooded cobra?” All of us fell silent. The question came from the homeopath. The topic came up when we were discussing snakes. We listened attentively as the doctor continued with his tale.

16. The above given writing is taken from the famous work of-----

- a. Vaikom Muhammad Basheer
- b. Phoede Cary
- c. Kamala Das
- d. Oscar wilde

17. Who invented computers

- a. Charles Babbage
- b. Alan Turing
- c. Herman Hollerith
- d. Bill Gates

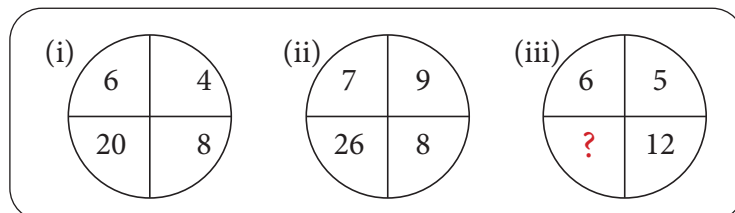
18. What is the scientific term for the study of bees?

- a. Apiculture
- b. Melittology
- c. Apilogy
- d. None of these

19. Who is the author of the book – An Era of Darkness: The British Empire

- a. Ashwin Sanghi
- b. Shashi Tharoor
- c. Arundhati Roy
- d. Preeti Shenoy

20. Which number will replace the question mark ?



- a) 21
- b) 32
- c) 25
- d) 18

21. Which is the only Indian city to achieve the ‘Gold’ standard category in Asia Pacific Sustainability Index 2021?

- a. New Delhi
- b. Bengaluru
- c. Hyderabad
- d. Mumbai

22. Which Indian Film makers were awarded the Icon Award at the 2022 London Indian Film Festival?

- a. Aparna Sen and Nandita Das
- b. Leena Manimekalai and Nandita Das
- c. Anurag Kashyap and Nandita Das
- d. Sanjay Leela Bansali and Nandita Das

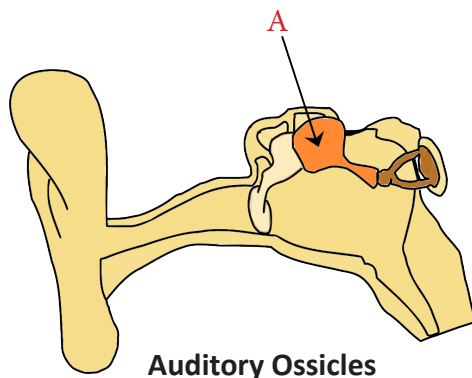
23. Which country is to play host to the next Women's T20 World Cup in February 2023?

- a. India
- b. South Africa
- c. Australia
- d. UAE

24. Which Indian bowler is the fastest to reach the milestone of 400 wickets, as of February 2021?

- a. Jasprit Bumrah
- b. Bhuvaneshwar Kumar
- c. Ravichandran Ashwin
- d. Ishant Sharma

25. The part of ear which is marked A in the given figure is known as



- a) Malleus
- b) Incus
- c) Stapes
- d) None of these

26. The Indira Gandhi Wildlife Sanctuary (IGWLS) is located in which state?

- a. Tamil Nadu
- b. Karnataka
- c. Kerala
- e. Telangana

27. Which of these layers of atmosphere consists of Ozone layer?

- a. Troposphere
- b. Mesosphere
- c. Stratosphere
- d. None of these

28. According to IT, find out the odd one?

- a. Virus
- b. Bug
- c. Worm
- d. Trojan

29. What is the missing number in 2, 3, 5, 7, 11,, 17?

- a. 9
- b. 15
- c. 13
- d. None of these

30. Which one is the greatest in the following:

- A) $\sqrt{2}$
- B) $\sqrt[3]{3}$
- C) $\sqrt[3]{4}$
- D) $\sqrt[3]{2}$

31. Which Indian state uses robots to spread awareness on COVID-19 among the public?

- a. Andhra Pradesh
- b. Telangana
- c. Kerala
- d. Odisha

- 32. Which is the first private space company to send astronauts into space?**
- Blue Origin
 - Tesla
 - SpaceX
 - Orbital
- 33. Consider the following statements:**
- (i) Radar is a device used to determine the distant objects.**
- (ii) Radar uses a transmitter operating at either radio or microwave frequencies to emit electromagnetic radiation.**
- Choose the correct answer from the codes given below:**
- Only (i)
 - Only (ii)
 - Both
 - Neither (i) nor (ii)
- 34. What is the predominant type of Indian agriculture?**
- Commercial agriculture
 - Extensive agriculture
 - Plantation agriculture
 - Subsistence agriculture
- 35. The oldest mountains in India are**
- Aravalis
 - Vindhya
 - Satpuras
 - Nilgiri hills
- 36. Probability that a non leap year should have 53 Mondays, will be**
- $\frac{2}{7}$
 - $\frac{3}{7}$
 - $\frac{1}{7}$
 - None of these
- 37. Find the wrong term(s) –**
3, 9, 36, 72, 216, 864, 1728, 3468
- 3468
 - 1728
 - 864
 - 216
- 38. If the digits of the following numbers are reversed and then the numbers are arranged in descending order, what will be the middle digit of the middle term?**
329, 215, 175, 295, 539, 486, 765
- 1
 - 9
 - 7
 - 6
- 39. There are 35 steps to reach a temple. On descending from the temple Soni takes two steps at the same time Gunjan ascends four steps. If they start to work simultaneously, at which step will they meet each other?**
- 18th
 - 10th
 - 24th
 - 17th

40. Who won Nobel Prize 2021 for Physics?

- a. Lisa Randall
- b. Giorgio Parisi, Klaus Hasselmann, Sukuro Manabe
- c. Carlo Rovelli
- d. Edward Witten

Fill in the blanks:

41. He applied for and was legal aid by the Labour Ministry.

- a. Offered
- b. Granted
- c. Allowed
- d. awarded

42. The Chairman is ill and we'll have to the meeting for a few days.

- a) put on
- b) put of
- c) put away
- d) put off

43. In order to maintain good health one should eat a diet.

- a) rich
- b) spicy
- c) balanced
- d) salty

44. Select the option which contains the correct sentence among the following.

- a) There is no meaning in what you say.
- b) There is no meaning in that you say.
- c) There is no meaning as to what you say.
- d) There is no meaning that you say.

Read the passage given below.

(i) Roshni Bairwa remembers running all the way from her home in Tonk's Mahmoodnagar Dhani village to the room where the 'bal samoooh' (children's group) met. "My grandparents are getting me married, you have to do something," the then 12-year-old told the 20 or so children sitting there.

(ii) The children, all aged between eight and 16, trooped up to Roshni's house and urged her grandparents to stop the impending wedding. Others, including village elders and teachers, joined in. The wedding was stopped. She had discovered a way out of the quagmire with the help of a local NGO and the village children.

(iii) When she was in class XII, the pressure to get married returned. This time her uncle found a match for her. When she resisted, she was taunted and beaten. People would point to her as the girl who brought shame to her family and asked their children not to speak to her. "I was 16 years old and alone in the world. I walked to school with my eyes fixed to the ground. I would think sometimes, what have I done that is so terrible for everyone to hate me so much?

I would cry myself to sleep," recalls Roshni, who lost her father when she was two and had been abandoned by her mother shortly after. But even in those dark moments, Roshni didn't give up, moving out of the village to Peeplu tehsil in Rajasthan where she rented a room and attended college.

(iv) With education and independence came a sense of confidence. "I kept in touch with the children in the village. Every time there was child marriage, they would call me and I would go to stop it. I realised I had already been thrown out of the village, the worst had already happened, what else could the villagers do? So I went and fought with everyone who was getting their child married," she says with a laugh. So far she has stopped over a dozen marriages.

(v) Even without the support of the law, young girls have been crusading against the practice. Earlier this month, 19-year-old Sushila Bishnoi from Barmer succeeded in getting her marriage annulled, submitting photographs, and congratulatory messages from her husband's Facebook account to the court. The court accepted these as evidence that the union took place when both the bride and groom were 12 years old and declared the marriage invalid.

(vi) Seema Bairwal (name changed) was 15 when she was married to a man a few years older. Later when she started attending 'bal samooh' meetings with NGO Shiv Shiksha Samiti and Save the Children, it dawned on her that she had a choice. "I learnt that my life is mine. I have the power to say no to marriage.

On the basis of your reading of the passage, answer the following questions by choosing the best of the given choices.

45. The brides mentioned in the passage are rebels against

- a. the dowry system
- b. child marriage
- c. purdah system
- d. arranged marriages

46. When Roshni was twelve years old, she succeeded in her mission with the help of

- a. 20 children aged between eight and sixteen
- b. her grandparents
- c. 20 children, her grandparents, village elders and teachers
- d. children and an NGO

47. When she was sixteen the people of the village

- a. taunted her and beat her up
- b. boycotted her
- c. were angry with her
- d. were sympathetic and understanding

48. Roshni moved out of the village in order to

- a. seek a job
- b. escape the villagers
- c. attend college
- d. marry a boy of her choice

49. 'Give up' in para 3 means

- a. stop attending classes
- b. stop doing something
- c. very eager
- d. voluntary help

50. 'Annulled' in para 5 means

- a. To state officially that something is not legally valid
- b. Help somebody
- c. impending doom
- d. social works