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STD - 9

Name of the student: Div:

Name of the school :

Questions 1 – 7 carry 2 marks each.**(2 x 7 = 14)**

1. **Who is the author of 'Humayun Nama' ?**
 - a) Abdul Hameed
 - b) Gulbadan Beegum
 - c) Beegum Hasnath Mahal
 - d) Abul Fazal
2. **Wich Continent does Chile belong to ?**
 - a) South America
 - b) North America
 - c) Africa
 - d) Europe
3. **Where is the Headquarters of the Asian Development Bank?**
 - a) Geneva
 - b) Newyork
 - c) Manila
 - d) Washington
4. **The Constitution of India was drafted with a period of**
 - a) 2 Years 11 months 17 days
 - b) 1 year 17 months 11 days
 - c) 2 Years 17 months 11 days
 - d) 1 year 11 months 17 days
5. **The basis of Panchayathi Raj system is**
 - a) Council
 - b) Gramasabha
 - c) Vikasana Samithi
 - d) Board meeting
6. **The time difference between Indian Standard Time and Greenwich Time is**
 - a) 2½ hours
 - b) 2 hours
 - c) 5½ hours
 - d) 12 hours
7. **The United Nations was established in the year**
 - a) 1942
 - b) 1947
 - c) 1949
 - d) 1945

8. **Which is the largest stock market in the world?**
 - a) Tokyo stock exchange
 - b) Newyork stock exchange
 - c) Mumbai stock exchange
 - d) London stock exchange
9. **Who designed the symbol of rupee?**
 - a) D. Udayakumar.
 - b) D. Vimalkumar.
 - c) K. Anand Kumar
 - d) Rajendrakumar
10. **Who was the first Keralite to appear on a postage stamp?**
 - a) Ayyankali
 - b) K.R. Narayanan
 - c) Sreenarayana Guru
 - d) O.N.V. Kuruppu
11. **How many keys does a standard computer keyboard have?**
 - a) 104
 - b) 95
 - c) 115
 - d) 124
12. **Which of the following is the autobiography of Bhagat Singh?**
 - a) Waiting for a visa
 - b) Why I am an Atheist
 - c) Wings of fire
 - d) An autobiography
13. **Which of the following terms is used to represent an error in a computer program?**
 - a) Error
 - b) Flaw
 - c) Bugs
 - d) Fault
14. **C++ was originally developed by**
 - a) Bjarne Rich
 - b) Elon Musk
 - c) Ada Lavelace
 - d) Larry Page
15. **Which tool in adobe photoshop is used to remove unwanted elements from an image?**
 - a) Zoom tool
 - b) Brush tool
 - c) Patch tool
 - d) Hand tool
16. **Silviculture means**
 - a) the science of growing silkworms
 - b) the science of rearing sheep
 - c) the science of bee rearing
 - d) the science of forest farming

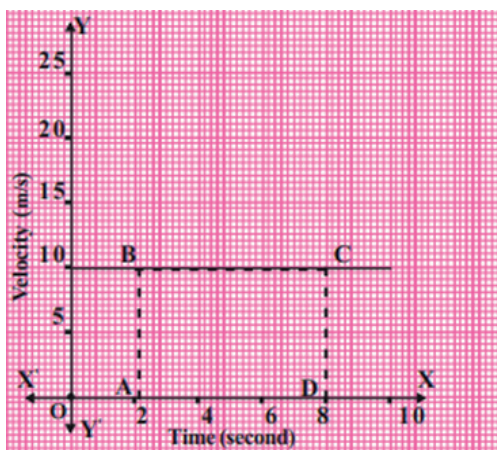
17. The Parliament of is called the Mother of Parliaments.
 a) Britain
 b) US
 c) South Africa
 d) France
18. A System designed by Indian Railways to avoid accidents caused by train collisions is called

 a) Green line
 b) Raksha kavaj
 c) Raksha Marg
 d) Red Line
19. Which of the following number is the cybercrime helpline number used as part of countering cyber crime?
 a) 1918
 b) 100
 c) 1930
 d) 1098
20. Who is the current chairman of ISRO?
 a) S. Somanath
 b) Dr. K. Kastaturirangan
 c) Dr. G. Madhavan Nair
 d) Dr. K. Radhakrishnan
21. What is the theme of Ayurveda Day 2023 ?
 a) Ayurveda for everybody
 b) Ayurveda Amrit Kaal
 c) Ayurveda for one health
 d) Ayurveda for every family
22. Which Country launched the Orion Space Craft ?
 a) Isreal
 b) USA
 c) UAE
 d) Japan

Questions 23 – 43 carry 2 marks each.

(2 x 21 = 42)

23. Find the displacement of the object from the graph between the time intervals 2s & 8 s



- a) 60 m
 b) 80 m
 c) 600 m
 d) 800 m

24. A car came to rest when brake was applied for 4s to get a retardation of 3 m/s^2 . Calculate how far the car would have travelled after applying the brake.
- a) 20 m b) 24 m
c) 26 m d) 28 m
25. A car and a bus are travelling at the same velocity. Which has greater momentum?
- a) Both has same momentum
b) Bus
c) Car
d) Both has no momentum
26. The inertia of an object tends to cause the object
- a) to increase its speed
b) to decrease its speed
c) to resist any change in its state of motion
d) to decelerate due to friction
27. Convert the 293K temperature to the celsius scale
- a) 566°C
b) 20°C
c) 293°C
d) None of the above
28. The property of flow is unique to fluids. Which one of the following statements is correct?
- a) Only gases behave like fluids
b) Gases and solids behave like fluids
c) Gases and liquids behave like fluids
d) Only liquids are fluids
29. The molecular mass of Ozone (O_3)
- a) 68U
b) 38U
c) 58U
d) 48U
30. The chemical symbol for Pottassium is
- a) Po
b) Pt
c) K
d) P
31. When 2^{64} is divided by 17, the remainder would be
- a) 1 b) 16 c) 14 d) 0
32. Sum of prime factors of 63 is =
- a) 14 b) 10 c) 8 d) 4
33. $\frac{2^{\frac{2}{3}} \times 2^{\frac{5}{2}} \times 3^{\frac{2}{5}}}{4^{\frac{1}{3}} \times 3^{\frac{7}{5}}} = \dots\dots\dots$
- a) $\sqrt{32}$ b) $\frac{\sqrt{32}}{2}$ c) $\frac{\sqrt{32}}{3}$ d) $\frac{2}{3}$

34. If $x = \sqrt{2}$ then, $(x + \frac{1}{x})(x - \frac{1}{x})(x^2 + \frac{1}{x^2}) = \dots\dots\dots$

- a) $\sqrt{2}$ b) 2 c) $\frac{15}{4}$ d) 5

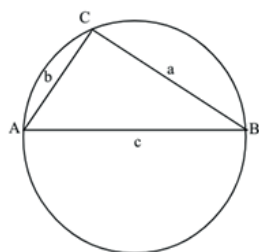
35. If $2x-2$ is a factor of the polynomial $4x^3-5x^2+7x-6$ then, which of the following is zero of this polynomial?

- a) 1 c) 3
b) 2 d) 0

36. In the figure, AB is a diameter, AB=c, BC=a, and AC=b. Ratio of areas of the circle and triangle is

$2\pi:1$ then, $\frac{a^2 + b^2}{2ab} = \dots\dots$

- a) 2 b) 1 c) 2π d) 0



37. x, y are two different positive integers $x < y$ and $x^y = y^x$ then, $x = \dots\dots\dots$

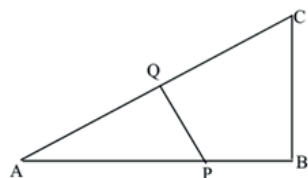
- a) 1 b) 2 c) 4 d) 10

38. x, y, a, b, are natural numbers and $a^2+b^2=25$, $x^2+y^2=13$ then $(ax+by)+(ay+bx) = \dots\dots$

- a) 325 b) 65 c) 35 d) 12

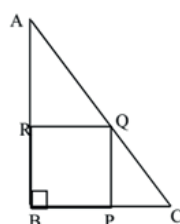
39. In the figure, $\angle B = \angle Q = 90^\circ$, AQ=15cm, BC=16cm and AP=17cm. What is the length of QC?

- a) 15 b) 17 c) 18 d) 19



40. In the figure, AB=20cm, BC=5cm. What is the area of the square PQRB?

- a) 25 b) 100 c) 4 d) 16



41. $\sqrt{20 \times 21 \times 22 \times 23 + 1} = \dots$

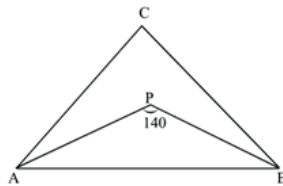
- a) 461 b) 460 c) 24 d) 23

42. $(x-y)^3 + (y-z)^3 + (z-x)^3 = \dots$

- a) 0 b) xyz
c) $3(x-y)(y-z)(z-x)$ d) $3xyz$

43. In the figure, AP and BP are bisectors of $\angle A$ and $\angle B$, $\angle APB = 140^\circ$ then $\angle C = \dots$

- a) 70° b) 40°
c) 80° d) 100°



Questions 44 – 48 carry 1 mark each.

(1 x 5 = 5)

44. The first Collectorate in Kerala to get ISO Certificate ?

- a) Kottayam b) Idukki
c) Thrissur d) Thiruvananthapuram

45. The Chandrayan 3 Mission's Lander is known as

- a) Praggyan b) Dhruv
c) Vikram d) Bheem

46. Which country has discovered a new oral drug for lowering cholesterol?

- a) China b) USA
c) Britain d) India

47. Who is the Father of artificial intelligence ?

- a) Charles Babbage b) Dennis Richie
c) John Mc Carthy d) Tim Patesson

48. India's First green Hydrogen Fuel cell Bus was launched in

- a) Telungana b) New Delhi
c) Kerala d) Goa

Questions 49 – 60 carry 2 marks each.

(2 x 12 = 24)

Questions 49 to 51 Fill up the blanks by choosing from the options given:-

49. I can't believe he the race.

- a) win b) wins
c) won d) winning

50. If you the concert, you would have liked it.

- a) attend
- b) attended
- c) would attend
- d) had attended

51. When Mary won the scholarship, she was on cloud

- a) nine
- b) seven
- c) one
- d) three

52. Convert the following into active voice.

The ancient manuscript had been carefully deciphered by the renowned linguist.

- a) The renowned linguist carefully deciphered the ancient manuscript.
- b) The renowned linguist had carefully deciphered the ancient manuscript.
- c) The renowned linguist has carefully deciphered the ancient manuscript.
- d) The renowned linguist had been carefully deciphered the ancient manuscript.

Add appropriate question tag to the following statement:-

53. You've never been to Paris before,?

- a) haven't you ?
- b) aren't you?
- c) have you ?
- d) do you?

54. Rewrite the following into indirect speech:-

Teacher: "You will have a class test in Mathematics tomorrow."

- a) The teacher announced that they will have a class test in Mathematics tomorrow.
- b) The teacher announced that they would have a class test in Mathematics tomorrow.
- c) The teacher announced that they will have a class test in Mathematics the following day.
- d) The teacher announced that they would have a class test in Mathematics the following day.

55. Match the following and choose from the options given below:-

A	B
1. eloquent	a) capable of withstanding adversity and bouncing back
2. pernicious	b) effective and persuasive in speech or writing
3. resilient	c) practical and focused on achieving results
4. pragmatic	d) causing harm or destruction

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

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

56. Choose the correct synonym of the word from the options given

Ecstasy

- a) Depression
- b) woe
- c) apathy
- d) elation

57. Choose the antonym of the word 'Squabble' from the options given.

- a) wrangle
- b) altercation
- c) conflict
- d) Harmony

Read the following passage and answer the questions by choosing from the options:-

Deep within the dense Amazone rainforest, Dr. Maria Rodriguez was on an expedition to uncover the mysteries of a rare and elusive orchid species known as the “Emerald Orchid”. This unique flower had vibrant green petals and was rumoured to possess extraordinary medicinal properties. For weeks, Dr. Rodriguez and her team trekked through the rugged terrain, battling sweltering heat and relentless mosquitos.

Finally, after days of searching, they stumbled upon a hidden clearing where the Emerald Orchid thrived. Its beauty was breathtaking, and its scent filled the air. Dr. Rodriguez carefully collected samples and documented her findings, hoping to unlock the secrets of this remarkable plant.

58. What was Dr. Maria Rodriguez’s expedition focused on?
- a) To possess extraordinary medicinal properties
 - b) To trek through the rugged terrain
 - c) To travel through the forest
 - d) To uncover the mysteries of the orchid species
59. What were the challenges faced by Dr. Rodriguez and her team through their expedition?
- a) They stumbled upon a hidden clearing
 - b) The mysteries of a rare and elusive orchids pecies
 - c) The sweltering heat and relentless mosquitos
 - d) The secrets of the plant
60. What did Dr. Rodriguez hope to achieve by collecting samples and documenting her findings?
- a) An expedition to uncover the mysteries of the orchid
 - b) To discover the extraordinary medicinal properties by collecting samples
 - c) To get the scent which filled the air
 - d) To go to an expedition by trekking through the terrain