

20.08.19 EVERWIN MATRIC. HR. SEC. SCHOOL Time: 40mins.

Std: X Material of the Month - AUGUST Marks: 75

English/Science

I. Fill in the blanks: 10x1=10

1. The crew started their voyage on _____.
2. The crew celebrated _____ during their expedition.
3. _____ all women crew was the first ever to circumnavigate the globe.
4. The sea can get really tough when winds are _____.
5. All-women Indian Navy crew circumnavigated in a sail boat called _____.
6. Leela _____ (Paint) the picture. (fill up the blank with present continuous tense)
7. I _____ (sing) since morning (fill up the blank with present perfect continuous tense).
8. I wish I _____ (accept) the job. (fill up the blank with past perfect tense)
9. He _____ (receive) your message last night (fill up the blank with simple past tense).
10. I _____ (play) by this time tomorrow (fill up the blank with future continuous tense).

II. Fill up the blanks: 10x1=10

11. Women _____ their life for the sake of their family.
12. One can understand that a woman is _____ and real.
13. The phrase 'spring will come again' means _____.
14. "She's today's woman. Today's woman dear" The figure of speech used here is _____.
15. "She's a lioness, don't mess with her". The figure of speech used here is _____.
16. Mulan's father was a _____.
17. Mulan disguised herself as a _____.
18. A very _____ swept through the Army.
19. In the army Mulan proved to be a _____.
20. The emperor said, one man from each family must join the _____.

III. Match the following: 5x1=5

- | | | |
|---|---|-----------------------|
| 21. I am every woman | - | 3 Birthdays |
| 22. Navy Crew Circumnavigated the world | - | gifts |
| 23. The crew celebrated | - | 254 days |
| 24. Mulan | - | Rakhi narian's Shirke |
| 25. Emperor | - | Kung Fu |

IV. Answer the following: 50x1=50

26. The rise in temperature depends on _____ and _____.
27. _____ is the S.I unit of heat energy.
28. Convert 35° c into Kelvin.
29. A real gas can be transformed into an ideal gas at _____.
30. The coefficient of linear expansion of the metal rod is _____, when the length is 6.522m and temperature is 285k it expands by 6.576m at 363k.
31. If the boiling point of water is 100°F, _____ is the reading in Kelvin scale.
32. When heat transfers by the process of radiation _____ is not required.
33. _____ is the change in length of aluminium sheet having a length of 30m made into cone with temperature $\Delta T=300k$. (Co-efficient is $23 \times 10^{-6}k^{-1}$).
34. _____ colour absorbs more heat.
35. The extent of expansion is greater in _____.
36. During the process of transferring heat energy, the body at lower temperature is heated, while the body at higher temperature is _____.
37. In a pressure cooker, cooking is faster because the _____ in vapour pressure increases the boiling point.
38. Aragadro's number (N_A) is equal to _____.
39. $40^\circ C =$ _____ $^\circ F$.
40. The ideal gas equation obeys _____.
41. A solution containing three components is called a _____.
42. _____ is the universal solvent.
43. When alcohol act as a solvent the solution is known as _____.
44. Non-polar compounds dissolve in _____ solvents.
45. In endothermic process, as temperature increases, solubility _____.
46. Magnesium sulphate hepta hydrate is called _____.
47. The water of crystallization of blue vitriol is _____.
48. Deliquescence is maximum when the temperature is _____.
49. The solubility of sodium chloride in 100g of water at 25°c is _____.
50. Common name of $CaSO_4 \cdot 2H_2O$ is _____.
51. Hygrascopic substances are used as _____.
52. The effects of pressure on the solubility of a gas in liquid is given by _____.
53. A solution is prepared by dissolving 45g of sugar in 180g of water. Then the mass percentage of solute is _____.

54. A solution is made from 35ml of Methanol and 65ml of water. Then the volume percentage is _____.
55. 1.5g of solute is dissolved in 15g of water to form a saturated solution at 298k. Then the solubility of the solute at the temperature is _____.
56. _____ is the longest cell of the human body.
57. _____ neurons are found in early embryos but not in adult.
58. The non-exciting supporting cell of the nervous system that do not initiate or conduct nerve impulses are called _____.
59. In cyton, the cytoplasm has large granular body called _____.
60. _____ neurons are found in the cerebral cortex of brain.
61. _____ neurons conduct impulses between sensory and motor neurons.
62. _____ is an important neurotransmitter released by neurons.
63. Brain is covered by three connective tissue membranes collectively known as _____.
64. The inflammation of meninges is called _____.
65. _____ occupies two-third portion of the brain.
66. Right and left cerebral hemispheres are interconnected by thick band of nerve fibres called _____.
67. _____ is responsible for thinking, intelligence, consciousness, memory, reasoning, etc.,
68. _____ acts as a thermoregulatory centre of the body.
69. _____ controls visual and auditory reflexes.
70. _____ controls sleep and respiration cycle.
71. _____ conducts sensory and motor impulses to and from the brain.
72. Spinal cord lies in the _____ canal of the vertebral column.
73. _____ is an instrument which records the electrical impulses of brain.
74. _____ supplies nutrients to the brain.
75. _____ regulates vomiting and salivation.