

CLASS – 10TH

MATHS

Q1: Which of the following is irrational number?

- a) $\sqrt{2}.\sqrt{8}$ b) $\sqrt{2}.\sqrt{3}$
c) $\sqrt{5}.\sqrt{5}$ d) $\sqrt{125/5}$

Q2: If one of the roots of $4x^2 - 3x + k$ is 1, then the value of k is:

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

Q3: For what value of k, do the equations $3x - y + 8 = 0$ and $6x - ky = -16$ represent coincident lines?

- a) 1/2 b) -1/2
c) 2 d) -2

Q4: The constant should be added and subtracted to solve the quadratic equation $4x^2 - \sqrt{3}x - 5 = 0$ by the method of completing the square is:

- a) 9/16 b) 3/16
c) 3/4 d) $\sqrt{3}/4$

Q5: If the first term of an AP is -5 and the common difference is 2, then the sum of the first 6 terms is :

- a) 0 b) 5
c) 6 d) 15

SCIENCE

Q6: In which part of alimentary canal Food is finally digested:

- a) Stomach b) Mouth cavity
c) large intestine d) Small intestine

Q7: Light travel fastest in:

- a) Water b) Air
c) Glass d) Diamond

Q8: Iodine is necessary for the synthesis of which hormone:

- a) Adrenaline b) Thyroxin
c) Auxin d) Insulin

Q9: A dark muscular membrane which Control size of pupil:

- a) Eye b) Iris
c) Corns d) Retina

Q10: Due to its semiconductor properties the non-metal used in computer, T.V etc is:

- a) Carbon b) Silicon
c) Bromine d) Fluorine

ENGLISH

Q11: He beat him a stick:

- a) For b) with
c) By d) to

Q12: My brother(return) from karnal presently:

- a) Has returned c) will return
b) Returing d) return

Q13: You like to have a cup of tea ?

- a) Can b) may
c) Should d) would

Q14: Sisters are married

- a) each b) every
c) Both d) any

Q15: relative has been invited :

- a) every b) few
c) many d) much

**ANSWER KEYS
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- 1 – (B)
- 2 – (B)
- 3 – (C)
- 4 – (B)
- 5 – (A)
- 6 – (D)
- 7 – (B)
- 8 – (B)
- 9 – (A)
- 10- (B)
- 11 – (B)
- 12-(A)
- 13-(D)
- 14-(A)
- 15-(A)