

KAUN BANEGA CHAMPION E-BOOK



BY
KBC FOUNDATION

CLASS 10



SESSION 2026-27

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Modals :

Select the suitable modal.

Q.1 When Juan was two, he _____ already speak very well.

- (A) might**
- (B) could**
- (C) can**
- (D) should**

Q.2 She _____ visit her grandparents' house during holidays.

- (A) dare to**
- (B) ought to**
- (C) can**
- (D) might**

Q.3 _____ I talk to the manager?

- (A) Might**
- (B) May**
- (C) Could**
- (D) Shall**

Q.4 During peak hours, it _____ take more than two hours

- (A) can**
- (B) should**
- (C) shall**
- (D) will**

Q.5 There has been a landslide. You _____ be careful while driving there.

- (A) can**
- (B) must**
- (C) could**
- (D) would**

Q.6 I _____ have won the tournament.

- (A) need to**
- (B) will**
- (C) could**
- (D) dare to**

Q.7 You _____ speak in the library.

- (A) must not**
- (B) dare not**
- (C) need not**
- (D) could not**

**Q.8 “We _____ definitely look into the matter”,
the officer affirmed.**

- (A) need to**
- (B) would**
- (C) will**
- (D) dare to**

Q.9 It’s time we _____ leave.

- (A) might**
- (B) should**
- (C) might have**
- (D) could have**

**Q.10 We are _____ wait in the lobby until the
receptionist calls again.**

- (A) supposed to**
- (B) used to**
- (C) obliged to**
- (D) able to**

Prepositions:

Select the suitable preposition..

Q.11 The lion was killed _____ the hunter.

- (A) in**
- (B) on**
- (C) by**
- (D) with**

Q.12 Father divided his property _____ four sons.

- (A) between**
- (B) among**
- (C) of**
- (D) in**

Q.13 He has been living in this house _____ 1985.

- (A) for**
- (B) since**
- (C) in**
- (D) on**

Q.14 I shall return _____ a month.

- (A) In**
- (B) Of**
- (C) On**
- (D) for**

Q.15 The Ramayana is lying _____ the table.

- (A) In**
- (B) Of**
- (C) On**
- (D) for**

Q.16 We shall finish this work _____ 5 p.m. today.

- (A) In**
- (B) By**
- (C) On**
- (D) at**

Q.17 Send me letters _____ this address.

- (A) By**
- (B) In**
- (C) To**
- (D) on**

Q.18 You should listen _____ what your parents say.

- (A) Among**
- (B) In**
- (C) To**
- (D) between**

Q.19 Sita writes _____ ink.

- (A) With**
- (B) On**
- (C) In**
- (D) at**

Q.20 He did not listen _____ my advice.

- (A) At**
- (B) To**
- (C) In**
- (D) on**

Tenses :

Select the suitable option with the help of tenses

Q.21 The fire _____ the huts before the fire brigade came.

- (A) had burnt**
- (B) will burn**
- (C) has burnt**
- (D) bums**

Q.22 I have _____ my work.

- (A) do**
- (B) does**
- (C) will do**
- (D) done**

Q.23 Don't make a noise, she _____ .

- (A) sleep**
- (B) will sleep**
- (C) is sleeping**
- (D) none**

Q.24 Will you go _____ a movie ?

- (A) to see**
- (B) seen**
- (C) to seeing**
- (D) none**

Q.25 They _____ to Shimla last year.

- (A) will go**
- (B) went**
- (C) will have gone**
- (D) none**

Q.26 I met Mohan when he _____ to the post office.

- (A) is going**
- (B) has gone**
- (C) was going**
- (D) none**

Q.27 He _____ us to go out in the boat yesterday.

- (A) does not allow**
- (B) allows**
- (C) did not allow**
- (D) has not allowed**

Q.28 When I saw him he _____ a portrait.

- (A) is painting**
- (B) painted**
- (C) was painting**
- (D) had painting**

Q.29 He risked _____ out in the rain.

- (A) to go**
- (B) going**
- (C) will go**
- (D) none**

Q.30 The bus ____ before we reached the bus stand.

- (A) left**
- (B) has left**
- (C) had left**
- (D) will have left**

Subject Verb concord :
Select the suitable option

Q.31 The farmers _____ ploughing their field.

- (A) is**
- (B) were**
- (C) have**
- (D) had**

Q.32 One of the students _____ talking.

- (A) were**
- (B) was**
- (C) are**
- (D) has**

Q.33 The jury _____ divided in their opinion.

- (A) were**
- (B) was**
- (C) are**
- (D) has**

Q.34 There _____ many exceptions to this rule.

- (A) is**
- (B) was**
- (C) are**
- (D) has**

Q.35 The boys _____ gone to school.

- (A) has**
- (B) have**
- (C) are**
- (D) is**

Q.36 He _____ this scenery.

- (A) likes**
- (B) liking**
- (C) like**
- (D) is liking**

Q.37 Honesty _____ the best policy.

- (A) was**
- (B) are**
- (C) is**
- (D) has**

Q.38 The aims of the course ____ me willing to begin.

- (A) makes**
- (B) make**
- (C) were made**
- (D) making**

Q.39 The weight of the mangoes _____ .

- (A) vary**
- (B) might have varied**
- (C) varies**
- (D) were varied**

Q.40 Do you know the person ____ next to window?

- (A) stands**
- (B) standing**
- (C) stood**
- (D) is standing**

Clauses :

Complete the following conversation with appropriate clauses:

The reporter interviewed the child who had won the National Gallantry Award. The reporter said to Varun, “Do you think that (Q.41)?” “Varun replied. “Yes, life is very uncertain especially when (Q.42)” “The reporter, “Varun, did you know the child whom (Q.43)?” “Varun, “(Q.44) I had neither met nor seen the child before.” The reporter wanted to know, “Do you think that (Q.45)?” “Yes, such acts should be honoured”, said Varun.

Q.41

- (A) life is boring**
- (B) life is interesting**
- (C) life is uncertain**
- (D) life is short**

Q.42

- (A) you are all alone**
- (B) you are unhappy**
- (C) you are weak**
- (D) you are sick**

Q.43

- (A) you saves**
- (B) you saved**
- (C) you will save**
- (D) you were to save**

Q.44

- (A) I frankly say that**
- (B) I do not say**
- (C) I can easily say**
- (D) I admit**

Q.45

- (A) such acts is honoured**
- (B) such acts should be honoured**
- (C) such acts will be honoured**
- (D) such acts honourable**

Complete the dialogue with the correct clauses given at the end:

Swati: Listen! Listen! Listen!

Pragya: What is the thing (Q.46)?

Swati: Our house has bagged the first prize in the competition (Q.47)

Pragya: (Q.48)it is the occasion for celebration.

Swati: Any suggestion (Q.49)?

Pragya: I propose that (Q.50)

Q.46

- (A) that makes you unhappy**
- (B) that makes you sad**
- (C) that makes you ecstatic**
- (D) that annoys you**

Q.47

- (A) that was held yesterday `**
- (B) that was held tomorrow**
- (C) that we lost yesterday**
- (D) that will be held tomorrow**

Q.48

- (A) If not true**
- (B) If it is true**
- (C) If you enjoyed**
- (D) If that will be true**

Q.49

- (A) that would be expensive**
- (B) that would be practical**
- (C) that we can ignore**
- (D) that we like**

Q.50

- (A) we should not go outside**
- (B) we should see a movie**
- (C) we should better remain at home**
- (D) we saw a movie**

Answers :

- 1. (B), 2. (D), 3. (B), 4. (A), 5. (B), 6. (C), 7. (A),
8. (C), 9. (B), 10. (A), 11. (C), 12. (B), 13. (B),
14. (D), 15. (C), 16. (B), 17. (C), 18. (C), 19. (C),
20. (B), 21. (A), 22. (D), 23. (C), 24. (A), 25. (B),
26. (C), 27. (C), 28. (C), 29. (A), 30. (C),
31. (B), 32. (B), 33. (A), 34. (C), 35. (B), 36. (A),
37. (C), 38. (B), 39. (C), 40. (B), 41. (C), 42. (A),
43. (B), 44. (A), 45. (B), 46. (C), 47. (A), 48. (B),
49. (B), 50. (B)**

Idioms & Phrases :

Pick the right meanings of the following idioms and phrases.

Q.1 At the drop of the hat:

- (A) As soon as it was spoken**
- (B) Done easily**
- (C) Done instantly without any delay**
- (D) After something is done**

Q.2 Keep at bay:

- (A) Keep someone at a distance**
- (B) Keep at the sea-shore**
- (C) Keep in mind**
- (D) Keep thinking about something**

Q.3 A man of straw:

- (A) A man with no means**
- (B) A generous man**
- (C) A man of character**
- (D) A man of no substance**

Q.4 Give cold shoulder:

- (A) Shiver**
- (B) Cold meat**
- (C) To ignore**
- (D) To support**

Q.5 Hold one's horse:

- (A) Keep one's expectations**
- (B) Keep one's gift**
- (C) Have patience**
- (D) High on energy**

Q.6 Hornet's nest:

- (A) A bee's house**
- (B) An unpleasant situation**
- (C) A busy house**
- (D) A dangerous place**

Q.7 Never-never land

- (A) An imaginary place**
- (B) Grass land**
- (C) A worthless place**
- (D) A useless situation**

Q.8 Cap it all:

- (A) To cover everything**
- (B) To seize everything**
- (C) To finish**
- (D) To occur**

Q.9 Like a sitting duck:

- (A) Lazy**
- (B) Fat**
- (C) Easy to attack**
- (D) Ignorant**

Q.10 Pull your socks up

- (A) To get ready**
- (B) To improve**
- (C) To start**
- (D) To finish**

Antonyms :

Select the suitable antonym :

Q.11 What is the antonym of "Bright"?

- (A) Light**
- (B) Sharp**
- (C) Dull**
- (D) Tight**

Q.12 Antonym for "Fast".

- (A) Quick**
- (B) Slow**
- (C) Swift**
- (D) High**

Q.13 What is the antonym of "Dirty"?

- (A) Filthy**
- (B) Clean**
- (C) Dusty**
- (D) Spotty**

Q.14 Antonym for "Hardworking".

- (A) Smart**
- (B) Active**
- (C) Lazy**
- (D) Busy**

Q.15 What is the antonym of "Empty"?

- (A) Full**
- (B) Hot**
- (C) Big**
- (D) High**

Synonyms :

Select the suitable synonym :

Q.16 Choose the synonym for "Happy":

- (A) Sad**
- (B) Joyful**
- (C) Angry**
- (D) Tired**

Q.17 Choose the synonym for "Fast":

- (A) Slow**
- (B) Swift**
- (C) Lazy**
- (D) Quiet**

Q.18 Choose the synonym for "Big":

- (A) Huge**
- (B) Small**
- (C) Tiny**
- (D) Thin**

Q.19 Choose the synonym for "Easy":

- (A) Hard**
- (B) Difficult**
- (C) Simple**
- (D) Rough**

Q.20 Choose the synonym for "Clean":

- (A) Dirty**
- (B) Neat**
- (C) Filthy**
- (D) Messy**

Determiners :

Select the suitable determiner ;

Q.21 _____ of the people who came have left.

- (A) Most**
- (B) Many**
- (C) Every**
- (D) Each**

Q.22 We need to do _____ of work before the event starts.

- (A) much**
- (B) a lot**
- (C) more**
- (D) some**

Q23. There are _____ messages for you.

- (A) none**
- (B) no**
- (C) much**
- (D) little**

Q24. _____ people who migrated here died in the floods.

- (A) A few**
- (B) Few**
- (C) The few**
- (D) Many**

Q.25 Not _____ is known about these legends.

- (A) little**
- (B) all**
- (C) many**
- (D) much**

Q.26 There is not _____ space for others here.

- (A) some**
- (B) enough**
- (C) many**
- (D) little**

Q.27 Is there _____ at the door?

- (A) nobody**
- (B) somebody**
- (C) someone**
- (D) everybody**

Q.28 _____ Shatabdi express will arrive at eight o'clock.

- (A) A**
- (B) Any**
- (C) Some**
- (D) The**

Q.29 It is _____ heirloom of the family.

- (A) a**
- (B) an**
- (C) some**
- (D) none**

Q.30 He will be there in _____ hour.

- (A) the**
- (B) an**
- (C) a**
- (D) two**

In the following questions, the sentences have been given in Active/Passive voice. From the given alternatives, choose the one which best expresses the given sentence in Passive/Active voice.

Q.31 I am waiting for my friend.

- (A) My friend is being waited for by me**
- (B) My friend is waited for by me.**
- (C) My friend was being waited for by me.**
- (D) My friend is waiting for me.**

Q.32 Is he not painting the picture?

- (A) Is the picture not being painted by him?**
- (B) The picture was not being painted by him.**
- (C) The picture is painted by him.**
- (D) Is The picture painted by him?**

Q.33 Who was making a noise?

- (A) By whom is a noise be made?**
- (B) By whom is a noise being made?**
- (C) By whom was a noise being made?**
- (D) By whom is a noise being made?**

Q.34 I have taken tea.

- (A) Tea have been taken by me.**
- (B) Tea has been taken by us.**
- (C) Tea had been taken by me.**
- (D) Tea has been taken by me.**

Q.35 Who has called you?

- (A) By whom had you been called?**
- (B) By whom have you been called?**
- (C) By whom are you been called?**
- (D) By whom were you been called?**

Q.36 The jug contains milk.

- (A) The milk is contained in the jug.**
- (B) Milk is contained by the jug.**
- (C) Milk is contained in the jug.**
- (D) Milk has been contained in the jug.**

Q.37 She knows me very well.

- (A) I am known very well by her.**
- (B) I was known to her very well.**
- (C) I am known to her very well.**
- (D) She is known to very well.**

Q.38 The play was liked by all.

- (A) All like the play.**
- (B) All play is liked.**
- (C) All liked the play.**
- (D) All like the play.**

Q.39 I am known by him.

- (A) She is known to me.**
- (B) He is known by me.**
- (C) He is known to me.**
- (D) He knows me.**

Q.40 They look at the map.

- (A) The map is looked at by them.**
- (B) The map was looked at by them.**
- (C) The map is looked by them.**
- (D) The map is being looked at by them.**

Direct and Indirect Speech :

Select the suitable Direct to Indirect Speech :

Q.41 She will say, "I am playing football."

- (A) She will say that I am playing football.**
- (B) She will say that she is playing football.**
- (C) She will say she was playing football.**
- (D) She will say that she was playing football.**

Q.42 Ram said, "I always speak the truth."

- (A) Ram said I always speak the truth.**
- (B) Ram said that he always speaks the truth.**
- (C) Ram said that he always spoke the truth.**
- (D) Ram said that he always had spoken the truth.**

Q.43 He said, "I don't need this pen."

- (A) He said that he doesn't need that pen.**
- (B) He said that he didn't need this pen.**
- (C) He said that he didn't need that pen.**
- (D) He said that I didn't need that pen.**

Q.44 Ram said, "I am rich."

- (A) Ram said that I was rich.**
- (B) Ram said that he is rich.**
- (C) Ram said that he is rich.**
- (D) Ram said that he was rich.**

Q.45 The teacher said, "The sun rises in the east."

- (A) The teacher said that the sun rose in the east.**
- (B) The teacher said that the sun had risen in the east.**
- (C) The teacher said that the sun rises in the east.**
- (D) The teacher said that the sun risen in the east.**

Q.46 Sohan said to me, "We have won the match."

- (A) Sohan told me we have won the match.**
- (B) Sohan told me if they have won the match.**
- (C) Sohan told me that they had won the match.**
- (D) Sohan said to me that they had won the match.**

Q.47 She said to me, "You lost my book."

- (A) She said to me that I lost my book,**
- (B) She told me that I lost her book.**
- (C) She told me that I had lost her book.**
- (D) She told me that she had lost my book.**

Q.48 He said to me, "You can take my slate."

- (A) He said to me that you could take his slate.**
- (B) He told me that I could take his slate.**
- (C) He told me that he could take my slate.**
- (D) He told me that I could take my slate.**

Q.49 Mohan said, “I don’t smoke a cigarette.”

(A) Mohan said that he didn’t smoke a cigarette.

(B) Mohan said that I didn’t smoke a cigarette.

(C) Mohan said that he does not smoke a cigarette.

(D) Mohan asked that he does not smoke a cigarette.

Q.50 The old man said, “God is everywhere.”

(A) The old man said that God was everywhere.

(B) The old man said that God has been everywhere.

(C) The old man asked that God is everywhere.

(D) The old man said that God is everywhere.

Answers :

**1. (C), 2. (A), 3. (D), 4. (C), 5. (C), 6. (B), 7. (A), 8. (C),
9. (D), 10. (B), 11. (C), 12. (B), 13. (B), 14. (C), 15. (A),
16. (B), 17. (B), 18. (A), 19. (C), 20. (B), 21. (A), 22. (B),
23. (B), 24. (A), 25. (D), 26. (B), 27. (C), 28. (D),
29. (B), 30. (B), 31. (A), 32. (A), 33. (C), 34. (D),
35. (B), 36. (B), 37. (A), 38. (C), 39. (D), 40. (C),
41. (B), 42. (C), 43. (C), 44. (D), 45. (C), 46. (C),
47. (C), 48. (B), 49. (A), 50. (D)**

Mathematics :

Real Numbers :

Select the suitable option.

Q.1 The decimal form of $64/455$ is

- (A) terminating**
- (B) non-terminating repeating**
- (C) non-terminating non-repeating**
- (D) none of the above**

Q.2 HCF of 8, 9, 25 is :

- (A) 8**
- (B) 9**
- (C) 25**
- (D) 1**

Q.3 Which is not irrational?

- (A) $(2 - \sqrt{3})(2 - \sqrt{3})$**
- (B) $(\sqrt{2} + \sqrt{3})(\sqrt{2} + \sqrt{3})$**
- (C) $(\sqrt{2} - \sqrt{3})(\sqrt{2} + \sqrt{3})$**
- (D) $27\sqrt{7}$**

Q.4 The product of a rational and irrational number is

- (A) rational**
- (B) irrational**
- (C) both of above**
- (D) none of above**

Q.5 The sum of a rational and irrational number is

- (A) rational**
- (B) irrational**
- (C) both of above**
- (D) none of above**

Q.6 The product of two different irrational numbers is always

- (A) rational**
- (B) irrational**
- (C) both of above**
- (D) none of above**

Q.7 The sum of two irrational numbers is always

- (A) irrational**
- (B) rational**
- (C) rational or irrational**
- (D) one**

Q.8 Which number is divisible by 11?

- (A) 1516**
- (B) 1452**
- (C) 1011**
- (D) 1121**

Q.9 The largest number that will divide 398, 436 & 542 leaving remainders 7, 11 and 15 respectively is

- (A) 17**
- (B) 11**
- (C) 34**
- (D) 45**

Q.10 If $\text{LCM}(77, 99) = 693$, then $\text{HCF}(77, 99)$ is

- (A) 11**
- (B) 7**
- (C) 9**
- (D) 22**

Polynomials :

Select the suitable option :

Q.11 The number of polynomials having zeroes as -2 and 5 is

- (A) 1**
- (B) 2**
- (C) 3**
- (D) more than 3**

Q.12 The zeroes of the quadratic polynomial $x^2 + 99x + 127$ are

- (A) both positive**
- (B) both negative**
- (C) one positive and one negative**
- (D) both equal**

Q.13 A quadratic polynomial, whose zeroes are -4 and -5, is

- (A) $x^2 - 9x + 20$**
- (B) $x^2 + 9x + 20$**
- (C) $x^2 - 9x - 20$**
- (D) $x^2 + 9x - 20$**

Q.14 The zeroes of the quadratic polynomial $x^2 + 1750x + 175000$ are

- (A) both negative**
- (B) one positive and one negative**
- (C) both positive**
- (D) both equal**

Q.15 The zeroes of the quadratic polynomial $x^2 - 15x + 50$ are

- (A) both negative**
- (B) one positive and one negative**
- (C) both positive**
- (D) both equal**

Q.16 The zeroes of the quadratic polynomial $x^2 - 18x + 81$ are

- (A) both negative**
- (B) one positive and one negative**
- (C) both positive and unequal**
- (D) both equal and positive**

Q.17 If one zero of the quadratic polynomial $x^2 + 3x + b$ is 2, then the value of b is

- (A) 10**
- (B) -8**
- (C) 9**
- (D) -10**

Q.18 If 1 is one of the zeroes of the polynomial $x^2 + x + k$, then the value of k is:

- (A) 2
- (B) -2
- (C) 4
- (D) -4

Q.19 If the zeroes of the quadratic polynomial $x^2 + (a + 1)x + b$ are 2 and -3, then

- (A) $a = -7, b = -1$
- (B) $a = 5, b = -1$
- (C) $a = 2, b = -6$
- (D) $a = 0, b = -6$

Q.20 If sum of the squares of zeroes of the quadratic polynomial $6x^2 + x + k$ is $25/36$, the value of k is:

- (A) 4
- (B) -4
- (C) 2
- (D) -2

Quadratic Equation :

Select the suitable option :

Q.21 Equation of $(x+1)^2 - x^2 = 0$ has number of real roots equal to:

- (A) 1**
- (B) 2**
- (C) 3**
- (D) 4**

Q.22 The roots of $100x^2 - 20x + 1 = 0$ is:

- (A) $1/20$ and $1/20$**
- (B) $1/10$ and $1/20$**
- (C) $1/10$ and $1/10$**
- (D) None of the above**

Q.23 The sum of two numbers is 27 and product is 182. The numbers are:

- (A) 12 and 13**
- (B) 13 and 14**
- (C) 12 and 15**
- (D) 13 and 24**

Q.24 The altitude of a right triangle is 7 cm less than its base. If the hypotenuse is 13 cm, the other two sides of the triangle are equal to:

- (A) Base=10cm and Altitude=5cm**
- (B) Base=12cm and Altitude=5cm**
- (C) Base=14cm and Altitude=10cm**
- (D) Base=12cm and Altitude=10cm**

Q.25 The roots of quadratic equation

$2x^2 + x + 4 = 0$ are:

- (A) Positive and negative**
- (B) Both Positive**
- (C) Both Negative**
- (D) No real roots**

Q.26 The sum of the reciprocals of Rehman's ages 3 years ago and 5 years from now is $\frac{1}{3}$. The present age of Rehman is:

- (A) 7**
- (B) 10**
- (C) 5**
- (D) 6**

Q.27 A train travels 360 km at a uniform speed. If the speed had been 5 km/h more, it would have taken 1 hour less for the same journey. Find the speed of the train.

- (A) 30 km/h**
- (B) 40 km/h**
- (C) 50 km/h**
- (D) 60 km/h**

Q.28 A quadratic equation $ax^2 + bx + c = 0$ has no real roots, if

- (A) $b^2 - 4ac > 0$**
- (B) $b^2 - 4ac = 0$**
- (C) $b^2 - 4ac < 0$**
- (D) $b^2 - ac < 0$**

Q.29 The maximum number of roots for a quadratic equation is equal to:

- (A) 1**
- (B) 2**
- (C) 3**
- (D) 4**

Q.30 The quadratic equation $x^2 + 7x - 60 = 0$ has:

- (A) two equal roots**
- (B) two real and unequal roots**
- (C) no real roots**
- (D) two equal complex roots**

Pair of Linear Equations in two variables :

Select the suitable option :

Q.31 If $x = a$, $y = b$ is the solution of the equations $x + y = 5$ and $2x - 3y = 4$, then the values of a and b are respectively

- (A) 6, -1**
- (B) 2, 3**
- (C) 1, 4**
- (D) $19/5$, $6/5$**

Q.32 The graph of $x = -2$ is a line parallel to the:

- (A) x-axis**
- (B) y-axis**
- (C) both x- and y-axis**
- (D) none of these**

Q.33 The graph of $y = 4x$ is a line:

- (A) parallel to x-axis**
- (B) parallel to y-axis**
- (C) perpendicular to y-axis**
- (D) passing through the origin**

Q.34 The graph of $y = 5$ is a line parallel to the:

- (A) x-axis**
- (B) y-axis**
- (C) both axis**
- (D) none of these**

Q.35 If in the equation $x + 2y = 10$, the value of y is 6, then the value of x will be:

- (A) -2**
- (B) 2**
- (C) 4**
- (D) 5**

Q.36 The graph of the equation $2x + 3y = 5$ is a:

- (A) vertical line**
- (B) straight line**
- (C) horizontal line**
- (D) none of these**

Q.37 Five years ago, A was thrice as old as B and ten years later, A shall be twice as old as B. What is the present age of A.

- (A) 20
- (B) 50
- (C) 60
- (D) 40

Q.38 What will be the solution of these equations $ax+by=a-b$, $bx-ay=a+b$

- (A) $x=1, y=2$
- (B) $x=2, y=-1$
- (C) $x=-2, y=-2$
- (D) $x=1, y=-1$

Q.39 8 girls and 12 boys can finish work in 10 days while 6 girls and 8 boys can finish it in 14 days. Find the time taken by the one girl alone that by one boy alone to finish the work.

- (A) 120, 130
- (B) 240, 280
- (C) 140, 280
- (D) 100, 120

Q.40 Rozy can row downstream 20km in 2 hours, and the upstream 4km in 2 hours. What will be the speed of rowing in still water?

- (A) 6km/hr
- (B) 4km/hr
- (C) 3km/hr
- (D) 7km/hr

Arithmetic Progressions :

Select the suitable option :

Q.41 If p, q, r and s are in A.P. then $r - q$ is

- (A) $s - p$**
- (B) $s - q$**
- (C) $s - r$**
- (D) none of these**

Q.42 If the sum of three numbers in an A.P. is 9 and their product is 24, then numbers are

- (A) 2, 4, 6**
- (B) 1, 5, 3**
- (C) 2, 8, 4**
- (D) 2, 3, 4**

Q.43 The $(n - 1)$ th term of an A.P. is given by 7, 12, 17, 22, is

- (A) $5n + 2$**
- (B) $5n + 3$**
- (C) $5n - 5$**
- (D) $5n - 3$**

Q.44 The sum of all two digit odd numbers is

- (A) 2575**
- (B) 2475**
- (C) 2524**
- (D) 2425**

Q.45 The sum of first n odd natural numbers is

- (A) $2n^2$**
- (B) $2n + 1$**
- (C) $2n - 1$**
- (D) n^2**

Q.46 If a, b, c, d, e are in A.P., then the value of $a - 4b + 6c - 4d + e$ is

- (A) 0**
- (B) 1**
- (C) -1**
- (D) 2**

Q.47 The 10th term from the end of the A.P. 4, 9, 14,, 254 is

- (A) 209**
- (B) 205**
- (C) 214**
- (D) 213**

Q.48 If $2x, x + 10, 3x + 2$ are in A.P., then x is equal to:

- (A) 0**
- (B) 2**
- (C) 4**
- (D) 6**

Q.49 The sum of all odd integers between 2 and 100 divisible by 3 is:

- (A) 17
- (B) 867
- (C) 876
- (D) 786

Q.50 If 7 times the 7th term of an A.P. is equal to 11 times its 11th term, then 18th term is:

- (A) 18
- (B) 9
- (C) 77
- (D) 0

Answers :

1. (A), 2. (D), 3. (C), 4. (B), 5. (B), 6. (C), 7. (C),
8. (B), 9. (A), 10. (A), 11. (D), 12. (B), 13. (B), 14. (A),
15. (C), 16. (D), 17. (D), 18. (B), 19. (D), 20. (D),
21. (A), 22. (C), 23. (B), 24. (B), 25. (D), 26. (A),
27. (B), 28. (C), 29. (B), 30. (B), 31. (D), 32. (B),
33. (D), 34. (A), 35. (A), 36. (B), 37. (B), 38. (D),
39. (C), 40. (A), 41. (C), 42. (D), 43. (D), 44. (B),
45. (D), 46. (A), 47. (A), 48. (D), 49. (B), 50. (D)

Coordinate Geometry :

Select the suitable option :

Q.1 The distance of the point P(2, 3) from x-axis is:

- (A) 2**
- (B) 3**
- (C) 1**
- (D) 5**

Q.2 The distance between the point P(1, 4) and Q(4, 0) is:

- (A) 4**
- (B) 5**
- (C) 6**
- (D) $3\sqrt{3}$**

Q.3 The points (-5, 1), (1, p) and (4, -2) are collinear if the value of p is:

- (A) 3**
- (B) 2**
- (C) 1**
- (D) -1**

Q.4 The area of the triangle ABC with the vertices A(-5, 7), B(-4, -5) and C(4, 5) is:

- (A) 63 Sq. unit**
- (B) 35 Sq. unit**
- (C) 53 Sq. unit**
- (D) 36 Sq. unit**

Q.5 The area of the triangle whose vertices are A(1, 2), B(-2, 3) and C(-3, -4) is

- (A) 11 Sq. unit**
- (B) 22 Sq. unit**
- (C) 33 Sq. unit**
- (D) 21 Sq. unit**

Q.6 The line segment joining the points (3, -1) and (-6, 5) is trisected. The coordinates of point of trisection are

- (A) (3, 3)**
- (B) (- 3, 3)**
- (C) (3, - 3)**
- (D) (-3,-3)**

Q.7 The line $3x + y - 9 = 0$ divides the line joining the points (1, 3) and (2, 7) internally in the ratio

- (A) 3 : 4**
- (B) 3 : 2**
- (C) 2 : 3**
- (D) 4 : 3**

Q.8 The coordinates of the centroid of a triangle whose vertices are (0, 6), (8, 12) and (8, 0) is

- (A) (4, 6)**
- (B) (16, 6)**
- (C) (8, 6)**
- (D) (16/3, 6)**

Q.9 Two vertices of a triangle are $(3, -5)$ & $(-7, 4)$.

If its centroid is $(2, -1)$, then the third vertex is

- (A) $(10, 2)$**
- (B) $(-10, 2)$**
- (C) $(10, -2)$**
- (D) $(-10, -2)$**

Q.10 If the points $P(1, 2)$, $B(0, 0)$ and $C(a, b)$ are collinear, then

- (A) $2a = b$**
- (B) $a = -b$**
- (C) $a = 2b$**
- (D) $a = b$**

Surface Areas & Volumes :

Select the suitable option :

Q.11 The total surface area of a hemispherical solid having radius 7 cm is

- (A) 462 cm^2**
- (B) 294 cm^2**
- (C) 588 cm^2**
- (D) 154 cm^2**

Q.12 The surface area of a sphere is 616 cm^2 . Its radius is

- (A) 7 cm**
- (B) 14 cm**
- (C) 21 cm**
- (D) 28 cm**

Q.13 A cylinder and a cone are of same base radius and of same height. The ratio of the volume of the cylinder to that of the cone is

- (A) 2 : 1**
- (B) 3 : 1**
- (C) 2 : 3**
- (D) 3 : 2**

Q.14 The volume of a sphere is 4851 cubic cm. Its diameter is

- (A) 3.5 cm**
- (B) 7 cm**
- (C) 14 cm**
- (D) 21 cm**

Q.15 A piece of paper is in the shape of a semi-circular region of radius 10 cm. It is rolled to form a right circular cone. The slant height is

- (A) 5 cm**
- (B) 10 cm**
- (C) 15 cm**
- (D) 20 cm**

Q.16 The base radii of two circular cones of the same height are in the ratio 3 : 5. The ratio of their volumes are

- (A) 9 : 25**
- (B) 5 : 3**
- (C) 9 : 5**
- (D) 3 : 25**

Q.17 How many bags of grain can be stored in a cuboid granary $12\text{ m} \times 6\text{ m} \times 5\text{ m}$. If each bag occupies a space of 0.48 cubic metre?

- (A) 750**
- (B) 75**
- (C) 1500**
- (D) 375**

Q.18 In a swimming pool measuring $90\text{ m} \times 40\text{ m}$, 150 men take a dip. If the average displacement of water by a man is 8 cubic metre , then rise in water level is

- (A) 27.33 cm**
- (B) 30 cm**
- (C) 31.33 cm**
- (D) 33.33 cm**

Q.19 The diameters of the two circular ends of the bucket are 44 cm and 24 cm . The height of the bucket is 35 cm . The capacity of the bucket is

- (A) 32.7 litres**
- (B) 33.7 litres**
- (C) 34.7 litres**
- (D) 31.7 litres**

Q.20 Volumes of two spheres are in the ratio $64:27$. The ratio of their surface areas is:

- (A) $3 : 4$**
- (B) $4 : 3$**
- (C) $9 : 16$**
- (D) $16 : 9$**

Trigonometry :

Select the suitable option :

Q.21 The value of $\cos 0^\circ \cdot \cos 1^\circ \cdot \cos 2^\circ \cdot \cos 3^\circ \dots \cos 89^\circ \cos 90^\circ$ is

- (A) 1
- (B) -1
- (C) 0
- (D) $12\sqrt{2}$

Q.22 $\sin 2B = 2 \sin B$ is true when B is equal to

- (A) 90°
- (B) 60°
- (C) 30°
- (D) 0°

Q.23 $5 \tan^2 A - 5 \sec^2 A + 1$ is equal to

- (A) 6
- (B) -5
- (C) 1
- (D) -4

Q.24 Which of the following are Pythagorean triplets?

- (A) 4 cm , 6 cm , 8 cm
- (B) 24 cm , 10 cm , 26 cm
- (C) 13 cm , 27 cm , 30 cm
- (D) 2 cm , 17 cm , 9 cm

Q.25 If $\sin A = 8/17$, find the value of $\sec A \cos A + \operatorname{cosec} A \cos A$.

- (A) $23/8$**
- (B) $15/8$**
- (C) $8/15$**
- (D) $6/23$**

Q.26 If $\operatorname{Cosec} (A + B) = 2/\sqrt{3}$, $\sec(A - B) = 2/\sqrt{3}$

$0^\circ < A + B \leq 90^\circ$,

Find A and B.

- (A) $25^\circ, 35^\circ$**
- (B) $30^\circ, 30^\circ$**
- (C) $45^\circ, 15^\circ$**
- (D) $10^\circ, 50^\circ$**

Q.27 What is the minimum value of $\sin A$, $0 \leq A \leq 90^\circ$

- (A) -1**
- (B) 0**
- (C) 1**
- (D) 2**

Q.28 What is the minimum value of $\cos \theta$, $0 \leq \theta \leq 90^\circ$

- (A) -1**
- (B) 0**
- (C) 1**
- (D) 2**

Q.29 $(\cos A / \cot A) + \sin A = ?$

- (A) $\cot A$**
- (B) $2 \sin A$**
- (C) $2 \cos A$**
- (D) $\sec A$**

Q.30 If $5 \tan \theta = 4$, then value of $(5 \sin \theta - 4 \cos \theta) / (5 \sin \theta + 4 \cos \theta)$ is:

- (A) $1/6$**
- (B) $5/6$**
- (C) 0**
- (D) $5/3$**

Statistics :

Select the suitable option :

Q.31 One of the methods for determining mode is

- (A) Mode = 2 Median - 3 Mean**
- (B) Mode = 3 Median - 2 Mean**
- (C) Mode = 2 Mean - 3 Median**
- (D) Mode = 3 Mean - 2 Median**

Q.32 Mode is the

- (A) middle most frequent value**
- (B) least frequent value**
- (C) maximum frequent value**
- (D) none of these**

Q.33 Mean of 100 items is 49. It was discovered that three items which should have been 60, 70, 80 were wrongly read as 40, 20, 50 respectively. The correct mean is

- (A) 48**
- (B) 49**
- (C) 50**
- (D) 60**

Q.34 Cumulative frequency curve is also called

- (A) histogram**
- (B) ogive**
- (C) bar graph**
- (D) median**

Q.35 If the arithmetic mean of x , $x + 3$, $x + 6$, $x + 9$ and $x + 12$ is 10, then $x = ?$

- (A) 1**
- (B) 2**
- (C) 6**
- (D) 4**

Q.36 If the mean of first n natural numbers is $5n/9$, then $n = ?$

- (A) 6**
- (B) 7**
- (C) 9**
- (D) 10**

Q.37 If 35 is removed from the data, 30, 34, 35, 36, 37, 38, 39, 40 then the median increases by:

- (A) 2**
- (B) 1.5**
- (C) 1**
- (D) 0.5**

Q.38 The median of the data 13, 15, 16, 17, 19, 20 is:

- (A) $30/2$**
- (B) $31/2$**
- (C) $33/2$**
- (D) $35/2$**

Q.39 If the sum of frequencies is 24, then the value of x in the observation: x, 5, 6, 1, 2 will be;

- (A) 4**
- (B) 6**
- (C) 8**
- (D) 10**

Q.40 The _____ of a class is the frequency obtained by adding the frequencies of all the classes preceding the given class.

- (A) Class mark**
- (B) Class height**
- (C) Average frequency**
- (D) Cumulative frequency**

Probability :

Select the suitable option :

Q.41 The probability of event equal to zero is called;

- (A) Unsure event**
- (B) Sure event**
- (C) Impossible event**
- (D) Independent event**

Q.42 The probability that cannot exist among the following:

- (A) $2/3$**
- (B) -1.5**
- (C) 15%**
- (D) 0.7**

Q.43 If $P(E) = 0.07$, then what is the probability of 'not E'?

- (A) 0.93**
- (B) 0.95**
- (C) 0.89**
- (D) 0.90**

Q.44 A bag has 3 red balls and 5 green balls. If we take a ball from the bag, then what is the probability of getting red balls only?

- (A) 3**
- (B) 8**
- (C) $3/8$**
- (D) $8/3$**

Q.45 A bag has 5 white marbles, 8 red marbles and 4 purple marbles. If we take a marble randomly, then what is the probability of not getting purple marble?

- (A) 0.5**
- (B) 0.66**
- (C) 0.08**
- (D) 0.76**

Q.46 A dice is thrown in the air. The probability of getting odd numbers is

- (A) $1/2$**
- (B) $3/2$**
- (C) 3**
- (D) 4**

Q.47 If we throw two coins in the air, then the probability of getting both tails will be:

- (A) $1/2$**
- (B) $1/4$**
- (C) 2**
- (D) 4**

Q.48 If two dice are thrown in the air, the probability of getting sum as 3 will be

- (A) $2/18$**
- (B) $3/18$**
- (C) $1/18$**
- (D) $1/36$**

Q.49 A card is drawn from the set of 52 cards. Find the probability of getting a queen card.

- (A) $1/26$
- (B) $1/13$
- (C) $4/53$
- (D) $4/13$

Q.50 A fish tank has 5 male fish and 8 female fish. The probability of fish taken out is a male fish:

- (A) $5/8$
- (B) $5/13$
- (C) $13/5$
- (D) 5

Answers :

1. (B), 2. (B), 3. (D), 4. (C), 5. (A), 6. (B), 7. (A), 8. (D),
9. (C), 10. (A), 11. (A), 12. (A), 13. (B), 14. (D), 15. (B),
16. (A), 17. (A), 18. (D), 19. (A), 20. (D), 21. (C), 22. (D),
23. (D), 24. (B), 25. (A), 26. (C), 27. (B), 28. (B),
29. (B), 30. (C), 31. (B), 32. (C), 33. (C), 34. (B),
35. (D), 36. (C), 37. (D), 38. (C), 39. (D), 40. (D),
41. (C), 42. (B), 43. (A), 44. (C), 45. (D), 46. (A),
47. (B), 48. (C), 49. (B), 50. (B)

Science :

Chemical reactions and equations :

Select the suitable option :

Q.1 Magnesium ribbon is rubbed before burning because it has a coating of

- (A) basic magnesium carbonate**
- (B) basic magnesium oxide**
- (C) basic magnesium sulphide**
- (D) basic magnesium chloride**

Q.2 Oxidation is a process which involves

- (A) addition of oxygen**
- (B) addition of hydrogen**
- (C) removal of oxygen**
- (D) None of these**

Q.3 The process of reduction involves

- (A) addition of oxygen**
- (B) addition of hydrogen**
- (C) removal of hydrogen**
- (D) None of these**

Q.4 Give the ratio in which hydrogen and oxygen are present in water by volume.

- (A) 1:2**
- (B) 1:1**
- (C) 2:1**
- (D) 1:8**

Q.5 Which of the following is an endothermic process?

- (A) Dilution of sulphuric acid**
- (B) Sublimation of dry ice**
- (C) Condensation of water vapours**
- (D) Respiration in human beings**

Q.6 What type of chemical reactions take place when electricity is passed through water?

- (A) Displacement**
- (B) Combination**
- (C) Decomposition**
- (D) Double displacement**

Q.7 A substance added to food containing fats and oils is called:

- (A) Oxidant**
- (B) Rancid**
- (C) Coolant**
- (D) Antioxidant**

Q.8 Which of the following reactions is used in black and white photography?

- (A) Combination Reaction**
- (B) Decomposition Reaction**
- (C) Displacement reaction**
- (D) Oxidation reaction**

Q.9 What chemicals are used in fireworks?

- (A) Copper chloride**
- (B) Calcium chloride**
- (C) Barium chloride**
- (D) All of above**

Q.10 When a magnesium ribbon is burnt in air, the ash formed is:

- (A) Black**
- (B) White**
- (C) Yellow**
- (D) Pink**

Carbon and its compounds :

Select the suitable option :

Q.11 The number of isomers of pentane is

- (A) 2**
- (B) 3**
- (C) 4**
- (D) 5**

Q.12 The electronic configuration of an element is found to be 2, 4. How many bonds can one carbon atom form in a compound?

- (A) 1**
- (B) 2**
- (C) 4**
- (D) 6**

Q.13 A carbon compound contains two atoms of carbon. Which name should the carbon compound bear?

- (A) Butane**
- (B) Ethane**
- (C) Methane**
- (D) Propane**

Q.14 How many single bonds are present in methane?

- (A) Four**
- (B) Five**
- (C) Six**
- (D) Three**

Q.15 Soaps are formed by saponification of

- (A) Alcohols**
- (B) Glycosides**
- (C) Simple esters**
- (D) Carboxylic acids**

Q.16 Carbon exists in the atmosphere in the form of

- (A) Only carbon monoxide**
- (B) Carbon monoxide in traces and carbon dioxide**
- (C) Carbon dioxide**
- (D) Coal**

Q.17 Buckminsterfullerene is an allotropic form of

- (A) Phosphorus**
- (B) Sulphur**
- (C) Carbon**
- (D) Tin**

Q.18 Which is not an aliphatic hydrocarbon?

- (A) Ethene**
- (B) Ethane**
- (C) Propyne**
- (D) Benzene**

Q.19 Which -OH compound is the functional group?

- (A) Butanone**
- (B) Butanol**
- (C) Butanoic**
- (D) Butanal**

Q.20 Which is an odd compound?

- (A) Ethene**
- (B) Ethane**
- (C) Propene**
- (D) Acetylene**

Heredity :

Select the suitable option :

Q.21 Which section of DNA provides information for one protein?

- (A) Nucleus**
- (B) Chromosome**
- (C) Trait**
- (D) Gene**

Q.22 A zygote which has an X chromosome inherited from the father will develop into a:

- (A) boy**
- (B) girl**
- (C) X chromosome does not determine the a child**
- (D) either boy or girl**

Q.23 What is the probability that the male progeny will be a boy?

- (A) 50 %**
- (B) 56 %**
- (C) 47.43 %**
- (D) It varies**

Q.24 Exchange of genetic material takes place in:

- (A) Vegetative reproduction**
- (B) Asexual reproduction**
- (C) Sexual reproduction**
- (D) Budding**

Q.25 In peas, a pure tall (TT) is crossed with a pure short plant(tt). The ratio of pure tall plants to pure short plants in the F₂ generation is:

- (A) 1:3**
- (B) 3:1**
- (C) 1:1**
- (D) 2:1**

Q.26 Two pink-coloured flowers on crossing resulted in 1 red, 2 pink and 1 white-flower progeny. The nature of the cross will be:

- (A) double fertilization**
- (B) self-pollination**
- (C) cross-fertilization**
- (D) no fertilization**

Q.27 Which of the following does Darwin's theory not include?

- (A) Natural Selection**
- (B) Survival of the fittest**
- (C) Evolution Through Inheritance**
- (D) Struggle for the existence of life**

Q.28 Select the character that is acquired not inherited.

- (A) Colour of eye**
- (B) Colour of skin**
- (C) Size of body**
- (D) Nature of hair**

Q.29 The number of sex chromosomes in zygote of humans is_____.

- (A) 1
- (B) 2
- (C) 3
- (D) 4

Q.30 In evolutionary terms , we have more in common with _____.

- (A) A chinese school boy
- (B) A chimpanzee
- (C) A spider
- (D) A bacteria

Electricity :

Select the suitable option :

Q.31 Work of 14 J is done to move 2 C charge between two points on a conducting wire. What is the potential difference between the two points?

- (A) 28 V
- (B) 14 V
- (C) 7 V
- (D) 3.5 V

Q.32 A fuse wire repeatedly gets burnt when used with a good heater. It is advised to use a fuse wire of

- (A) More length
- (B) Less radius
- (C) Less length
- (D) More radius

Q.33 Electrical resistivity of a given metallic wire depends upon

- (A) Its length**
- (B) Its thickness**
- (C) Its shape**
- (D) Nature of the material**

Q.34 Unit of electric power may also be expressed as:

- (A) Volt-ampere**
- (B) Kilowatt-hour**
- (C) Watt second**
- (D) Joule second**

Q.35 A cooler of 1500 W, 200 volts and a fan of 500 W, 200 volts are to be used from a household supply. The rating of the fuse to be used is

- (A) 2.5 A**
- (B) 5.0 A**
- (C) 7.5 A**
- (D) 10 A**

Q.36 In an electrical circuit, two resistors of $2\ \Omega$ and $4\ \Omega$, respectively, are connected in series to a 6 V battery. The heat dissipated by the $4\ \Omega$ resistor in 5 s will be

- (A) 5 J**
- (B) 10 J**
- (C) 20 J**
- (D) 30 J**

Q.37 Two bulbs are rated 40W, 220W and 60W, 220W. The ratio of their resistances will be

- (A) 4:3**
- (B) 3:4**
- (C) 2:3**
- (D) 3:2**

Q.38 A coil in the heater consumes power P on passing current. If it is cut into halves and joined in parallel, it will consume power

- (A) P**
- (B) $P/2$**
- (C) $2P$**
- (D) $4P$**

Q.39 Electric potential is a _____ .

- (A) scalar quantity**
- (B) vector quantity**
- (C) neither scalar nor vector**
- (D) sometimes scalar and sometimes vector**

Q.40 Coulomb is the SI unit of:

- (A) charge**
- (B) current**
- (C) potential difference**
- (D) resistance**

Light : Reflecton & Refraction :

Select the suitable option :

Q.41 When a plane mirror is rotated through a certain angle, the reflected ray turns through twice as much and the size of the image:

- (A) is doubled**
- (B) is halved**
- (C) becomes infinite**
- (D) remains the same**

Q.42 If an object is placed symmetrically between two plane mirrors, inclined at an angle of 72 degrees, then the total no. of images formed is:

- (A) 5**
- (B) 4**
- (C) 2**
- (D) infinite**

Q.43 The focal length of a plane mirror is

- (A) 0**
- (B) infinite**
- (C) 25 cm**
- (D) -25 cm**

Q.44 A beam of light incident on a plane mirror forms a real image on reflection. The incident beam is:

- (A) parallel**
- (B) convergent**
- (C) divergent**
- (D) not certain**

Q.45 A student conducts an experiment using a convex lens. He places the object at a distance of 60 cm in front of the lens and observes that the image is formed at a distance of 30 cm behind the lens. What is the power of the lens?

- (A)** 0.005 dioptre
- (B)** 0.05 dioptre
- (C)** 5 dioptre
- (D)** 50 dioptre

Q.46 An image of an object produced on a screen which is about 36 cm using a convex lens. The image produced is about 3 times the size of the object. What is the size of the object?

- (A)** 12 cm
- (B)** 33 cm
- (C)** 39 cm
- (D)** 108 cm

Q.47 Image formed by a convex spherical mirror is:

- (A)** virtual
- (B)** real
- (C)** enlarged
- (D)** inverted

Q.48 Light travel fast in _____ .

- (A) Water**
- (B) Air**
- (C) Glass**
- (D) Diamond**

Q.49 Light from the Sun falling on a convex lens will converge at a point called

- (A) centre of curvature**
- (B) focus**
- (C) radius of curvature**
- (D) optical centre**

Q.50 A divergent lens will produce

- (A) always real image**
- (B) always virtual image**
- (C) both real and virtual image**
- (D) none of these**

Answers :

**1. (B), 2. (A), 3. (B), 4. (C), 5. (B), 6. (C), 7. (D), 8. (B),
9. (D), 10. (B), 11. (B), 12. (C), 13. (B), 14. (A), 15. (C),
16. (C), 17. (C), 18. (D), 19. (B), 20. (B), 21. (D), 22. (B),
23. (A), 24. (C), 25. (C), 26. (C), 27. (C), 28. (C),
29. (A), 30. (A), 31. (C), 32. (D), 33. (D), 34. (A),
35. (D), 36. (C), 37. (D), 38. (D), 39. (A), 40. (A),
41. (D), 42. (B), 43. (B), 44. (B), 45. (C), 46. (A),
47. (A), 48. (B), 49. (B), 50. (B)**

Metals & Non- Metals :

Select the suitable option :

Q.1 The most abundant metal in the earth's crust is

- (A) Iron**
- (B) Aluminium**
- (C) Calcium**
- (D) Sodium**

Q.2 The poorest conductor of heat among metals is

- (A) Lead**
- (B) Mercury**
- (C) Calcium**
- (D) Sodium**

Q.3 Which property of metals is used for making bells and strings of musical instruments like Sitar and Violin?

- (A) Sonorousness**
- (B) Malleability**
- (C) Ductility**
- (D) Conductivity**

Q.4 The highly reactive metals like Sodium, Potassium, Magnesium, etc. are extracted by the

- (A) electrolysis of their molten chloride**
- (B) electrolysis of their molten oxides**
- (C) both (A) & (B)**
- (D) reduction by carbon**

Q.5 Which non-metal is lustrous?

- (A) Sulphur**
- (B) Oxygen**
- (C) Nitrogen**
- (D) Iodine**

Q.6 The atomic number of an element 'X' is 12. Which inert gas is nearest to X?

- (A) He**
- (B) Ar**
- (C) Ne**
- (D) Kr**

Q.7 The process in which a carbonate ore is heated strongly in the absence of air to convert it into metal oxide is called

- (A) Roasting**
- (B) Reduction**
- (C) Calcination**
- (D) Smelting**

Q.8 Oxides of moderately reactive metals like Zinc, Iron, Nickel, Tin, Copper etc. are reduced by using

- (A) Aluminium as reducing agent**
- (B) Sodium as reducing agent**
- (C) Carbon as reducing agent**
- (D) Calcium as reducing agent**

Q.9 Galvanisation is a method of protecting iron from rusting by coating with a thin layer of

- (A) Galium**
- (B) Aluminium**
- (C) Zinc**
- (D) Silver**

Q.10 An element X is soft and can be cut with a knife. This is very reactive to air and cannot be kept open in air:

- (A) Mg**
- (B) Na**
- (C) P**
- (D) Ca**

Control & Coordination :

Select the suitable option :

Q.11 Which plant hormone promotes dormancy in seeds and buds?

- (A) Auxin**
- (B) Gibberellin**
- (C) Cytokinin**
- (D) Absciscic acid**

Q.12 Roots of plants are:
(A) positively geotropic
(B) negatively geotropic
(C) positively phototropic
(D) None of these

Q.13 Response of plant roots towards water is called:
(A) Chemotropism
(B) Phototropism
(C) Hydrotropism
(D) Geotropism

Q.14 Movement of sunflower in accordance with the path of Sun is due to
(A) Chemotropism
(B) Geotropism
(C) Phototropism
(D) Hydrotropism

Q.15 Which plant hormone promotes cell division?
(A) Auxin
(B) Gibberellin
(C) Cytokinin
(D) Absciscic acid

Q.16 The main function of absciscic acid in plants is
(A) to promote cell division.
(B) to inhibit growth.
(C) to promote growth of stem.
(D) to increase the length of cells.

Q.17 Fall of mature leaves and fruits from plants is triggered by which substance?

- (A) Auxin**
- (B) Cytokinin**
- (C) Gibberellin**
- (D) Absciscic acid**

Q.18 Any change in the environment to which an organism responds is called

- (A) stimulus**
- (B) coordination**
- (C) response**
- (D) hormone**

Q.19 A part of the body which responds to the instructions sent from nervous system is called

- (A) receptor**
- (B) effector**
- (C) nerves**
- (D) muscles**

Q.20 The longest fibre on the cell body of a neuron is called:

- (A) sheath**
- (B) cytoplasm**
- (C) axon**
- (D) dendrites**

Magnetic Effect of Electric Current :

Select the suitable option :

Q.21 The most suitable material for making the core of an electromagnet is:

- (A) Steel**
- (B) Iron**
- (C) Soft iron**
- (D) Aluminium**

Q.22 Which is not attracted by a magnet?

- (A) Steel**
- (B) Cobalt**
- (C) Brass**
- (D) Nickel**

Q.23 The front face of a circular loop of a wire is the North Pole, the direction of current in this face of the loop will be:

- (A) Clockwise**
- (B) Anticlockwise**
- (C) Towards North**
- (D) Towards South**

Q.24 The force on a current carrying conductor when placed perpendicular in a uniform magnetic field.

- (A) $F = BIL$**
- (B) $F = B/IL$**
- (C) $F = L/BI$**
- (D) $F = I/BL$**

Q.25 A soft iron bar is introduced inside a current carrying solenoid. The magnetic field inside a solenoid:

- (A) Decrease**
- (B) Will increase**
- (C) Will become zero**
- (D) Will remain unaffected**

Q.26 What should be the core of an electromagnet?

- (A) soft iron**
- (B) hard iron**
- (C) rusted iron**
- (D) none of above**

Q.27 Who has stated the Right hand Thumb Rule?

- (A) Orsted**
- (B) Fleming**
- (C) Einstein**
- (D) Maxwell**

Q.28 In all the electrical appliances, the switches are put in the

- (A) live wire**
- (B) earth wire**
- (C) neutral wire**
- (D) all of above**

Q.29 Which device produces the electric current?

- (A) generator**
- (B) galvanometer**
- (C) ammeter**
- (D) motor**

Q.30 An alpha particle is diverted towards west is deflected towards north by a field. The field is magnetic. What will be the direction of field?

- (A) Towards south**
- (B) towards east**
- (C) downward**
- (D) upward**

Human Eye :

Select the suitable option :

Q.31 A person went for a medical check-up and found that the curvature of his eye lens was increasing. Which defect is he likely to suffer from?

- (A) Myopia**
- (B) Cataract**
- (C) Presbyopia**
- (D) Hypermetropia**

Q.32 When light rays enter the eye, most of the refraction occurs at the

- (A) Crystalline lens**
- (B) The outer surface of the cornea**
- (C) Iris**
- (D) Pupil**

Q.33 The muscular diaphragm that controls the size of the pupil is:

- (A) cornea**
- (B) ciliary muscles**
- (C) iris**
- (D) retina**

Q.34 The black opening between the aqueous humor and the lens is called

- (A) retina**
- (B) iris**
- (C) cornea**
- (D) pupil**

Q.35 Bi-focal lens are required to correct

- (A) astigmatism**
- (B) coma**
- (C) myopia**
- (D) presbyopia**

Q.36 The image formed on the retina of the human eye is

- (A) virtual and inverted**
- (B) real and inverted**
- (C) real and erect**
- (D) virtual and erect**

Q.37 The deflection of light by minute particles and molecules of the atmosphere in all direction is called _____ of light.

- (A) dispersion**
- (B) scattering**
- (C) interference**
- (D) tyndell effect**

Q.38 The bluish colour of water in deep sea is due to

- (A) the presence of algae and other plants found in water**
- (B) reflection of sky in water**
- (C) scattering of light**
- (D) absorption of light by the sea**

Q.39 One cannot see through the fog, because

- (A) refractive index of the fog is very high**
- (B) light suffers total reflection at droplets**
- (C) fog absorbs light**
- (D) light is scattered by the droplets**

Q.40 Refraction of light by the earth's atmosphere due to variation in air density is called

- (A) atmospheric reflection**
- (B) atmospheric dispersion**
- (C) atmospheric scattering**
- (D) atmospheric refraction**

Acids Bases & Salts :

Select the suitable option :

Q.41 Which Acid is present in Tomato?

- (A) Citric Acid**
- (B) Oxalic Acid**
- (C) Lactic Acid**
- (D) HCl**

Q.42 pH value less than 7 indicates that the solution is –

- (A) Acidic**
- (B) Basic**
- (C) Neutral**
- (D) No effect**

Q.43 Lactic Acid is present in –

- (A) Orange**
- (B) Tea**
- (C) Curd**
- (D) Vinegar**

Q.44 Farmers neutralise the effect of Acidity on the soil by adding –

- (A) Slaked lime**
- (B) Gypsum**
- (C) Caustic soda**
- (D) Baking soda**

Q.45 Which salt does not contain water of crystallization?

- (A) Blue vitriol**
- (B) Baking soda**
- (C) Washing soda**
- (D) Gypsum**

Q.46 In which pH range does our body work to survive in the atmosphere?

- (A) 5.5 to 8.5**
- (B) 7.0 to 7.8**
- (C) 2.3 to 7.0**
- (D) 7.5 to 12.5**

Q.47 When a base reacts with a metal, it forms a salt, and hydrogen gas is released. By what method can the presence of hydrogen be detected?

- (A) by water**
- (B) by litmus paper**
- (C) by methyl orange**
- (D) by a burning candle**

Q.48 At what temperature is gypsum heated to form Plaster of Paris?

- (A) 35°C**
- (B) 70°C**
- (C) 80°C**
- (D) 100°C**

Q.49 Which acid is present in tamarind?

- (A) Tartaric acid**
- (B) Oxalic Acid**
- (C) Lactic Acid**
- (D) Citric Acid**

Q.50 An aqueous solution turns the red litmus solution blue. Excess addition of which solution would reverse the change?

- (A) Baking powder**
- (B) Lime**
- (C) Ammonium hydroxide solution**
- (D) Hydrochloric acid**

Answers :

1. (B), 2. (A), 3. (A), 4. (C), 5. (D), 6. (C), 7. (C), 8. (C),
9. (C), 10. (B), 11. (D), 12. (A), 13. (C), 14. (C), 15. (C),
16. (B), 17. (D), 18. (A), 19. (B), 20. (C), 21. (C), 22. (C),
23. (B), 24. (A), 25. (B), 26. (A), 27. (D), 28. (A),
29. (A), 30. (D), 31. (A), 32. (B), 33. (C), 34. (D),
35. (D), 36. (B), 37. (B), 38. (C), 39. (D), 40. (D),
41. (B), 42. (A), 43. (C), 44. (A), 45. (B), 46. (B),
47. (D), 48. (D), 49. (A), 50. (D)

General Knowledge :

Awards & Honors :

Select the suitable option :

Q.1 Kenton Cool and Kami Rita who were seen in the news, are associated with which field?

- [A] Business**
- [B] Literature**
- [C] Mountaineering**
- [D] Technology**

Q.2 Who was selected for the 'Dr. V Shantaram Lifetime Achievement Award' in the Mumbai International Film Festival 2022?

- [A] Hemamalini**
- [B] Asha Parekh**
- [C] Sanjit Narwekar**
- [D] Gulzar**

Q.3 Shinde Sambhaji Shiwaji, Ujjal Bhuyan, Amjad Ahtesham Sayed, who were seen in the news recently, are associated with which profession?

- [A] Scientists**
- [B] Judges**
- [C] Politicians**
- [D] Bureaucrats**

Q.4 Which institution has won UNESCO's recognition for use of Information And Communication Technology in Education?

- [A] Central Institute of Educational Technology**
- [B] Central Board of Secondary Education**
- [C] University Grants Commission**
- [D] All India Council for Technical Education**

Q.5 Who has been appointed as the Chairperson of the Press Council of India?

- [A] Justice Ranjana Prakash Desai**
- [B] Justice Ajay Kumar Sikri**
- [C] Justice Sadasivan**
- [D] Justice Y Chandrachud**

Q.6 Which is the most valuable Global Brand from India, as per the Kantar Brandz report?

- [A] LIC**
- [B] HDFC Bank**
- [C] Reliance**
- [D] Mahindra**

Q.7 As per 'Hurun India Future Unicorn Index 2022', which city is the start-up capital of India?

- [A] New Delhi**
- [B] Mumbai**
- [C] Bengaluru**
- [D] Hyderabad**

Q.8 Japan Government has awarded 'Supreme Order of the Chrysanthemum' to which personality?

- [A] Narendra Modi**
- [B] Shinzo Abe**
- [C] Ramnath Govind**
- [D] Joe Biden**

Q.9 Enamul Haque, who recently passed away recently, was associated with which profession?

- [A] Business person**
- [B] Archaeologist**
- [C] Sports person**
- [D] Politician**

Q.10 Monty Norman, who recently passed away, was associated with which field?

- [A] Music**
- [B] Politics**
- [C] Sports**
- [D] Business**

Indian Languages :

Select the suitable option :

Q.11 How many languages and dialects are spoken by people all over the world?

- (A) 4000**
- (B) 9000**
- (C) 6000**
- (D) 7100**

Q.12 Which language is not spoken in Sikkim?

- (A) Punjabi**
- (B) Bhutia**
- (C) Lepcha**
- (D) None of these**

Q.13 English Language have more than _____ words

- (A) Thousand**
- (B) Lakh**
- (C) Ten lakhs**
- (D) None of these**

Q.14 Sanskrit is official language of the state ____ .

- (A) Himachal Pradesh**
- (B) Uttarakhand**
- (C) Karnataka**
- (D) Madhya Pradesh**

Q.15 LIPI/Script of Hindi Language is _____ .

- (A) Devanagari**
- (B) Gurumukhi**
- (C) Urdu**
- (D) Sanskrit**

Q.16 Approximately, how many people speak Chinese language?

- (A) 1 million**
- (B) 1 billion**
- (C) 1 thousand**
- (D) 1 lakh**

Q.17 In which language vande matram was written?

- (A) Bengali**
- (B) Hindi**
- (C) Marathi**
- (D) Sanskrit**

Q.18 The language with the richest vocabulary is :

- (A) English**
- (B) French**
- (C) Hindi**
- (D) German**

Q.19 Angami is a language of _____ .

- (A) Nagaland**
- (B) West Bengal**
- (C) Goa**
- (D) Assam**

Q.20 _____ is the language that is widely spoken in West Bengal.

- (A) English**
- (B) Mizo**
- (C) Gujarati**
- (D) Bengali**

Books & Authors :

Select the suitable option :

Q.21 Who is the author of the book “India After Gandhi The History of the World’s Largest Democracy”?

- (A) Madhav Gandhi**
- (B) Ramachandra Guha**
- (C) Romila Thapar**
- (D) Sujit Mukherjee**

Q.22 Which is not a novel written by R.K Narayan?

- (A) Such a long journey**
- (B) Swami and friends**
- (C) The Bachelor of arts**
- (D) The English teacher**

Q.23 Who is the author of the novel “2 states: The story of my marriage”?

- (A) Chetan Bhagat**
- (B) Ravindra Singh**
- (C) Sudeep Nagarkar**
- (D) None of these**

Q.24 Which is the autobiography of A.P.J. Abdul Kalam?

- (A) My truth**
- (B) Wings of fire**
- (C) The story of my life**
- (D) None of these**

Q.25 Who is the author of the novel “The Serpent and the Rope”?

- (A) Raja Rao**
- (B) Arundhati Roy**
- (C) Anita Desai**
- (D) Vikram Singh**

Q.26 Which is the First novel written by Ruskin Bond?

- (A) Angry River**
- (B) Delhi is not Far**
- (C) The Room on the Roof**
- (D) The blue umbrella**

Q.27 Who is the author of the novel “A Bend in the Ganges”?

- (A) Manohar Malgonkar**
- (B) Amitav Ghosh**
- (C) Salman Rushdie**
- (D) None of these**

Q.28 Who is the author of the novel “Train to Pakistan”?

- (A) Manohar Malgonkar**
- (B) Salman Rushdie**
- (C) Khushwant Singh**
- (D) Amrita Pritam**

Q.29 Who is the author of the novel “Em and the Big Hoom”?

- (A) Keshava Guha**
- (B) Jerry Pinto**
- (C) Manu Joseph**
- (D) None of these**

Q.30 Which book was written by Kalhana?

- (A) Harshacharita**
- (B) Arthashastra**
- (C) Indika**
- (D) Rajatarangini**

Indian Constitution :

Select the suitable option :

Q.31 Which among the following is an example of the unitary system of government?

- (A) Belgium**
- (B) Sri Lanka**
- (C) Both Sri Lanka and Belgium**
- (D) None of the above**

Q.32 How many of the world’s 193 countries have federal political systems?

- (A) 25**
- (B) 100**
- (C) 145**
- (D) 70**

Q.33 _____ made the shift from a unitary to a federal system of government.

- (A) Sri Lanka**
- (B) Belgium**
- (C) Both Belgium and Sri Lanka**
- (D) None of the above**

Q.34 Which does not have a federal system of government?

- (A) India**
- (B) USA**
- (C) Russia**
- (D) None of the above**

Q.35 Which of the following does not have a federal political system?

- (A) China**
- (B) New Zealand**
- (C) Japan**
- (D) All of the above**

Q.36 Which of the following is an example of 'coming together' federations?

- (A) Spain**
- (B) Belgium**
- (C) USA**
- (D) All the above.**

Q.37 Which of the following are included in the Union List?

- (A) Banking**
- (B) Foreign Affairs**
- (C) Defence of the country**
- (D) All of the above**

Q.38 Which is included in the State List?

- (A) Agriculture**
- (B) Irrigation**
- (C) Police**
- (D) All of the above**

Q.39 If there is a conflict in the laws made for the subjects in the Concurrent List, then the decision made by _____ will prevail.

- (A) State Government**
- (B) Union Government**
- (C) President**
- (D) All of the above**

Q.40 Which of the following states in India enjoys a special status?

- (A) Arunachal Pradesh**
- (B) Mizoram**
- (C) Nagaland**
- (D) All of the above**

Indian Economy :

Select the suitable option :

Q.41 Agriculture, dairy, fishing, and forestry are examples of _____.

- (A) tertiary Sector**
- (B) secondary Sector**
- (C) primary Sector**
- (D) None of the above**

Q.42 _____ shows how big the economy of a country is.

- (A) GSDP**
- (B) GDP**
- (C) PPP**
- (D) None of the above**

Q.43 In India, _____ was the least producing sector in 2010-11.

- (A) primary sector**
- (B) secondary sector**
- (C) tertiary sector**
- (D) quaternary sector**

Q.44 In India, which sector grew the maximum from 1970-71 to 2010-11?

- (A) primary sector**
- (B) secondary sector**
- (C) tertiary sector**
- (D) quaternary sector**

Q.45 Workers in _____ sector are under-employed.

- (A) IT**
- (B) agricultural**
- (C) manufacturing**
- (D) none of the above**

Q.46 More than half of the workers in the country are working in the primary sector, mainly in _____.

- (A) fishing**
- (B) mining**
- (C) agriculture**
- (D) none of the above**

Q.47 The National Rural Employment Guarantee Act was passed by the Government of India in _____.

- (A) 2005**
- (B) 2010**
- (C) 2004**
- (D) 2014**

Q.48 Under NREGA 2005, all those who are able to and are in need of work are guaranteed _____ of employment in a year by the government.

- (A) 180 days**
- (B) 50 days**
- (C) 200 days**
- (D) 100 days**

Q.49 In 1970-71, which sector produced the maximum in India?

- (A) tertiary sector**
- (B) secondary sector**
- (C) primary sector**
- (D) quaternary sector**

Q.50 The _____ continues to be the largest employer in India.

- (A) quaternary sector**
- (B) tertiary sector**
- (C) secondary sector**
- (D) primary sector**

Answers :

**1. (C), 2. (C), 3. (B), 4. (A), 5. (A), 6. (B), 7. (C), 8. (B),
9. (B), 10. (A), 11. (D), 12. (A), 13. (C), 14. (B), 15. (A),
16. (B), 17. (D), 18. (A), 19. (A), 20. (D), 21. (B), 22. (A),
23. (A), 24. (B), 25. (A), 26. (C), 27. (A), 28. (C),
29. (B), 30. (D), 31. (B), 32. (A), 33. (B), 34. (D),
35. (A), 36. (C), 37. (D), 38. (D), 39. (B), 40. (D),
41. (C), 42. (B), 43. (A), 44. (C), 45. (B), 46. (C),
47. (A), 48. (D), 49. (C), 50. (D)**

Sports :

Select the suitable option :

Q.1 For which of the following sports Maulana Abul Kalam Azad (MAKA) Trophy' is given ?

- [A] Inter school**
- [B] Inter state**
- [C] Inter university**
- [D] None of the above**

Q.2 Which among the following tournament is also known as World Team Championships for Women?

- [A] Thomas Cup**
- [B] Uber cup**
- [C] Helvetia Cup**
- [D] Spanish Open Badminton**

Q.3 Which was the first brand, Sachin Tendulkar endorsed in the beginning of his career?

- [A] Boost**
- [B] Pepsi**
- [C] Nike**
- [D] None of them**

Q.4 Who was the first marketing director of the International Olympic Committee?

- [A] Michael Payne**
- [B] Juan Antonio**
- [C] Richard Pound**
- [D] Avery Brundage**

Q.5 Who is the top scorer in Indian National Football Team?

- [A] Sunil Chhetri**
- [B] Gurpreet Singh Sandhu**
- [C] Nishu Kumar**
- [D] Udanta Singh**

Q.6 How many teams currently participate in the Commonwealth Games 22?

- [A] 53**
- [B] 62**
- [C] 72**
- [D] 64**

Q.7 The Olympics Games are normally held every how many years?

- [A] 2 Years**
- [B] 4 Years**
- [C] 6 Years**
- [D] 8 Years**

Q.8 In which year, the first Summer Olympic Games was conducted?

- [A] 1892**
- [B] 1894**
- [C] 1896**
- [D] 1898**

Q.9 Which Olympic Games is also known as the “Millenium Olympic Games”?

- [A] 1996 Summer Olympics, Atlanta**
- [B] 2000 Summer Olympics, Sydney**
- [C] 2004 Summer Olympics, Athens**
- [D] 2008 Summer Olympics, Beijing**

Q.10 Which country hosted the 2018 Commonwealth Games?

- [A] New Zealand**
- [B] Ireland**
- [C] Canada**
- [D] Australia**

Computer :

Select the suitable option :

Q.11 Which of the following is NOT an example of Intellectual Property rights?

- (A) Patent**
- (B) Trademark**
- (C) Password**
- (D) Industrial Design**

Q.12 Computerized railway reservation system is an example of ____ .

- (A) Offline application**
- (B) Online application**
- (C) Both a and b**
- (D) None of the above**

Q.13 While you are using Internet, you must be aware of_____

- (A) how to conduct ourselves**
- (B) how best to relate with others**
- (C) what ethics, morals & values to maintain**
- (D) all of these**

Q.14 Using the material without the permission of the owner or creator is called _____

- (A) Law Violation**
- (B) Theft**
- (C) Cyber Law Violation**
- (D) None of these**

Q.15 _____ implies repeatedly targeting someone with intentions to hurt or embarrass

- (A) Cybercrime**
- (B) Cyberbullying**
- (C) Plagiarism**
- (D) Intellectual Property Rights**

Q.16 Which of the following is a valid file extension for Notepad file?

- (A) .jpg**
- (B) .doc**
- (C) .text (POST) starts**
- (D) .txt**

Q.17 How can an antivirus protect your device?

- (A) It can protect it from overheating.**
- (B) It can increase its performance.**
- (C) It can prevent data from getting corrupt.**
- (D) It can backup data.**

Q.18 Which shortcut key is used to paste a file?

- (A) Ctrl + C**
- (B) Ctrl + P**
- (C) Ctrl + V**
- (D) Ctrl + X**

Q.19 Which option is required to keep a device cool?

- (A) Keep the device unplugged when in use.**
- (B) Do not cover a laptop with a blanket.**
- (C) Make sure the computer's CPU fan is working.**
- (D) Avoid leaving the device in the sun.**

Q.20 Which of the following trap small children into inappropriate relations?

- (A) Online predators**
- (B) Worms**
- (C) Trojan Horse**
- (D) Anti-Virus**

Abbreviations :

Select the suitable option :

Q.21 What is the full form of USB?

- (A) Universal Serial Bus**
- (B) Ultra Service Block**
- (C) United Service Block**
- (D) Universal Security Block**

Q.22 What does RAM stand for?

- (A) Read Access Memory**
- (B) Read Anywhere Memory**
- (C) Random Access Memory**
- (D) Random Access Module**

Q.23 This key uniquely identifies each record.

- (A) Field Name**
- (B) Secondary Key**
- (C) Key Record**
- (D) Primary Key**

Q.24 What is a URL?

- (A) Uniform Resource Locator**
- (B) the address of a document or “page” on the World Wide Web**
- (C) a type of programming object**
- (D) a computer software program**

Q.25 UNIVAC stands for

- (A) Unique Numerical Integrator and Computer**
- (B) Universal Assumable Calculator**
- (C) Universal Adding Calculator**
- (D) Universal Automatic Computer**

Q.26 ASCII stands for

- (A) American Special Computer for Information Interaction**
- (B) American Standard Computer for Information Interchange**
- (C) American Standard Code for Information Interchange**
- (D) American Special Computer for Information Interchange**

Q.27 What is the full form of AT in the IBM PC-AT?

- (A) Applied Technology**
- (B) Assemble Technology**
- (C) Advance Technology**
- (D) Additional Technology**

Q.28 ERP is an acronym for

- (A) Enterprise Retirement Planning**
- (B) Enterprise Relationship Planning**
- (C) Enterprise Recorder Planning**
- (D) Enterprise Resource Planning**

Q.29 CPU stands for ____

- (A) Create Programs User**
- (B) Call Power Up**
- (C) Central Processing Unit**
- (D) CD-run on memory**

Q.30 What does 'C' represent in MICR?

- (A) Character**
- (B) Computer**
- (C) Column**
- (D) Code**

Dates, Days & Years :

Select the suitable option :

Q.31 What is celebrated on 10th December?

- (A) Human Rights Day**
- (B) World Malaria Day**
- (C) Mother's Day**
- (D) World Hindi Day**

Q.32 International Women's day is celebrated on which day?

- (A) 4th July**
- (B) 3rd October**
- (C) 10th March**
- (D) 8th March**

Q.33 On which month World Immunization Week is celebrated?

- (A) January**
- (B) April**
- (C) May**
- (D) December**

Q.34 When is Earth Day celebrated?

- (A) 22nd April**
- (B) 22nd March**
- (C) 22nd February**
- (D) 22nd October**

Q.35 When was International Yoga day first celebrated?

- (A) 21st June 2012**
- (B) 21st June 2015**
- (C) 21st June 2012**
- (D) 20th June 2015**

Q.36 Which summit initiated Tiger Day?

- (A) Saint Petersburg Tiger Summit 2010**
- (B) Saint Petersburg Tiger Summit 2016**
- (C) Saint Petersburg Tiger Summit 2005**
- (D) Saint Petersburg Tiger Summit 2000**

Q.37 When is World Post Office day celebrated?

- (A) 10th October**
- (B) 9th October**
- (C) 3rd October**
- (D) 15th October**

Q.38 What is celebrated on 27th September?

- (A) World Tourism Day**
- (B) World Students Day**
- (C) World Arthritis Day**
- (D) World Maritime Day**

Q.39 Which day is celebrated as National Girl Child Day?

- (A) 26th January**
- (B) 14th February**
- (C) 24th January**
- (D) 14th July**

Q.40 National science day is celebrated in the honor of whom?

- (A) A. P. J. Abdul Kalam**
- (B) C. V. Raman**
- (C) Vikram Sarabhai**
- (D) Ashok Sen**

Culture and Heritage :

Select the suitable option :

Q.41 Which Indian Academy is promoting dance, drama and music?

- (A) Sahitya Academy**
- (B) Lalit Kala Academy**
- (C) National School of Drama**
- (D) Sangeet Natak Academy**

Q.42 The word 'Sathyameva Jayate' is taken from _____.

- (A) Yajur Veda**
- (B) Atharva Veda**
- (C) Mundaka Upanishad**
- (D) Sam Veda**

Q.43 According to the cultural history of India 'Panchayatan' is:

- (A) An assembly of elders of village**
- (B) A religious sect**
- (C) Temple construction style**
- (D) Functionary of an administration**

Q.44 Dandia' is a popular dance of

- (A) Punjab**
- (B) Gujarat**
- (C) Tamil Nadu**
- (D) Maharashtra**

Q.45 Where is Pushkar Fair held?

- (A) Udaipur**
- (B) Jaisalmer**
- (C) Jodhpur**
- (D) Ajmer**

Q.46 Sattriya is a classical dance form of which State?

- (A) Manipur**
- (B) Uttar Pradesh**
- (C) Assam**
- (D) Andhra Pradesh**

Q.47 Which folk dance forms is associated with Gujarat?

- (A) Nautanki**
- (B) Garba**
- (C) Kathakali**
- (D) Bhangra**

Q.48 In which style of dance the story/ theme is always taken from Mahabharata and Ramayana?

- (A) Bharatanatyam**
- (B) Mohiniattam**
- (C) Odissi**
- (D) Kuchipudi**

Q.49 The Rath Yatra at Puri is celebrated in honour of which Hindu deity

- (A) Ram**
- (B) Jagannath**
- (C) Shiva**
- (D) Vishnu**

Q.50 Which is not a feature of North Indian temple architecture?

- (A) Sikhara**
- (B) Garbha Griha**
- (C) Gopuram**
- (D) Pradakshina**

Answers :

1. (C), 2. (B), 3. (A), 4. (A), 5. (A), 6. (C), 7. (B), 8. (C), 9. (B), 10. (D), 11. (C), 12. (B), 13. (D), 14. (C), 15. (B), 16. (D), 17. (C), 18. (C), 19. (A), 20. (A), 21. (A), 22. (C), 23. (D), 24. (A), 25. (D), 26. (C), 27. (C), 28. (D), 29. (C), 30. (A), 31. (A), 32. (D), 33. (B), 34. (A), 35. (B), 36. (A), 37. (B), 38. (A), 39. (C), 40. (B), 41. (D), 42. (C), 43. (C), 44. (B), 45. (D), 46. (C), 47. (B), 48. (A), 49. (B), 50. (C)

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