SSC MTS (2022) Official Paper (Held On: 12 May, 2023 Shift 1) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2022 • 90 questions • 90 minutes • Answer key

Take this paper as a timed mock test

Practise under exam conditions, then review your answers after you submit.

yourmocktest.com/pyq/ssc-mts/ssc-mts-2022-official-paper-held-on-12-may-2023-shift-1-previo…

Scan the QR code or click the link to open it.

SESSION 1

Q1. What is the value of (45 ×3÷ 27 × 4)(81 ÷ 5 × 85 ÷ 51)/(108 ÷18 × 7 ÷ 21)(133 × 3 ÷ 38 × 4) ?

(a) 46/7
(b) 45/7
(c) 54/7
(d) 39/7

Q2. If the radius of a sphere is 3/4 of the radius of a hemisphere, then what will be the ratio of the volumes of sphere and hemisphere?

(a) 9 : 16
(b) 51 : 64
(c) 27 : 32
(d) 18 : 64

Q3. A boy can swim in still water at a speed of 40 km/hr. If the speed of the current would have been 15 km/hr, then find the time in which the boy could swim 25 km upstream.

(a) 2 hours
(b) 2.5 hours
(c) 1 hour
(d) 3 hours

Q4. Tina can do a work in 15 days and Manya can do the same work in 18 days. If they worked for 6 days, then what is the fraction of work is left?

(a) 4/15
(b) 8/15
(c) 11/15
(d) 11/30

Q5. A shopkeeper buys pencils from a wholesaler at Rs. 20 for 40 pencils. He sells those pencils at Rs. 20 for 20 pencils. What was his profit or loss percent?

(a) 50% Profit
(b) 80% Loss
(c) 100% Profit
(d) 20% loss

Q6. 15 books were sold for Rs. 2200 thereby gaining a cost price of 5 books. Find the cost price of a book.

(a) Rs. 110
(b) Rs. 200
(c) Rs. 210
(d) Rs. 230

Q7. In a class of 70 students, 70% are girls and the remaining are boys. If the average of the girl's marks is 30 and that of the boys is 40, what is the average mark for the whole class?

(a) 33
(b) 38
(c) 30
(d) 35

Q8. Find the value of 24 + [33 + 40 of {3 × (5 - 44 + 50)}].

(a) 1331
(b) 1250
(c) 1442
(d) 1377

Q9. If the third proportion to 10 and x is 90 and the third proportion of 12 and y is 27. Find the value of (x + y).

(a) 56
(b) 44
(c) 48
(d) 50

Q10. A person sold 28 articles for Rs. 2800 and incurred a loss of 20%. How many articles should he sell for Rs. 4400 to make a profit of 10%?

(a) 16
(b) 40
(c) 32
(d) 24

Q11. What is the value of 25 × 7 ÷ 175 - 196 ÷ 14 × 2 + 625 ÷ 25 × 3?

(a) 48
(b) 38
(c) 58
(d) 28

Q12. How much time will it take for an amount of Rs. 450 to yield Rs. 47.25 as interest at 3.5% per annum of simple interest?

(a) 1 year
(b) 2 years
(c) 3 years
(d) 4 years

Q13. The area of the base of a rectangular tank is 720 m^2 and the volume of water contained in it is 28800 m^3. What is the depth of the water?

(a) 30 m
(b) 40 m
(c) 50 m
(d) 60 m

Q14. A number is divided in the ratio 5 : 7. When 6 was added to each, the ratio changes to 7 : 9. Find the greater number.

(a) 12
(b) 18
(c) 15
(d) 21

YourMockTest.com — Free Study Material

Q15. Simple interest on a sum for three months at the rate of 15 percent per annum is Rs. 600. What is the sum?

(a) Rs. 16000
(b) Rs. 4000
(c) Rs. 1600
(d) Rs. 32000

Q16. If 40 percent of x = 25 percent of 20, then what is the value of x?

(a) 22.5
(b) 12.5
(c) 17.5
(d) 20

Q17. The table given below shows the number of runs scored and number of balls played by 5 batsmen.

Batsmen	No. of runs scored	No. of balls played
J	80	35
K	90	70
L	100	60
M	120	170
N	50	50

Strike rate = (Number of runs scored)/(Number of balls played) × 100

Strike rate of J is what percent of strike rate of N?

(a) 242.24 percent
(b) 228.57 percent
(c) 182.36 percent
(d) 196.44 percent

Q18. A girl goes from A to B with speed 60 km/hr and return from B to A with speed 30 km/hr. If whole journey takes 5 hours, then what is the distance between A and B?

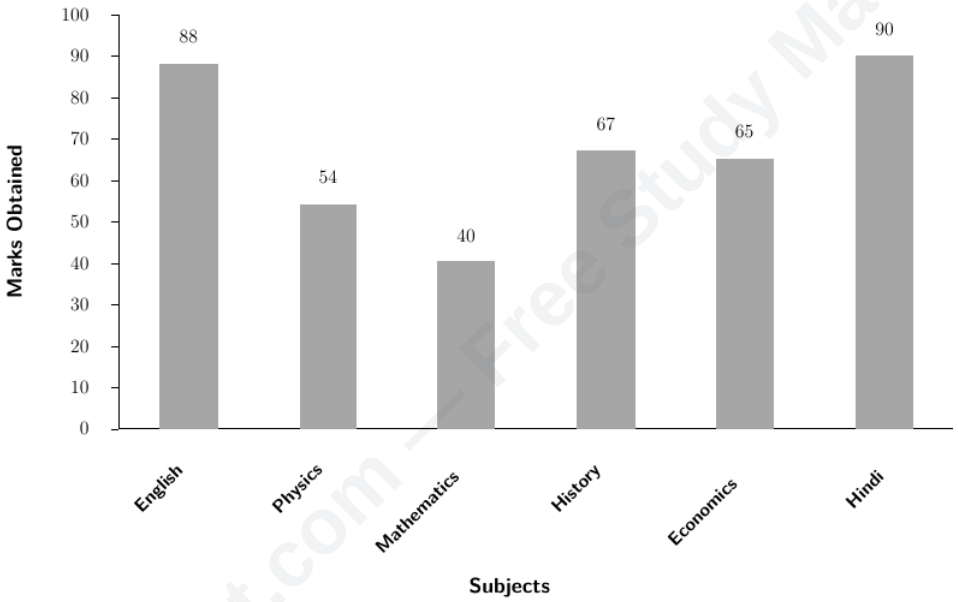
(a) 200 km
(b) 100 km
(c) 50 km
(d) 90 km

Q19. Some carpenters promised to complete a work in 20 days. When the work was started, 8 of them were absent and remaining completed the work in 40 days. What was the original number of carpenters?

(a) 18
(b) 12
(c) 10
(d) 16

Q20. The bar graph shows the marks of a student in different subjects out of 100. His marks in physics is what percent more than that in mathematics?

YourMockTest.com — Free Study Material

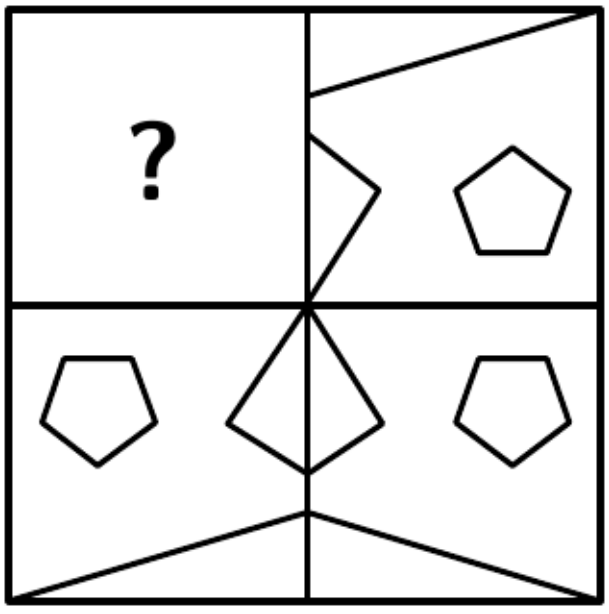


(a) 44%
(b) 35%
(c) 33%
(d) 28%

Q21. By Interchanging which two signs the equation will be correct?
21 - 7 × 4 ÷ 10 + 2 = 4
(a) • and ×
(b) × and ÷
(c) • and ÷
(d) • and -

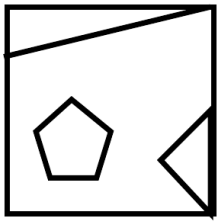
Q22. In a certain code language, 'EDITOR' is coded as 'CBGQLO'. What is the code for 'FOLDER' in that code language?
(a) DMJABO
(b) BMJBCR
(c) DMJACO
(d) DMJABR

Q23. Which answer figure will complete the pattern in the question figure?

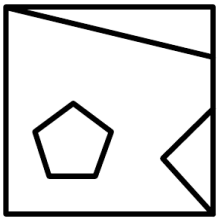


YourMockTest.com — Free Study Material

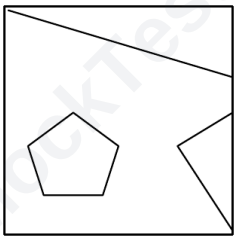
(a)



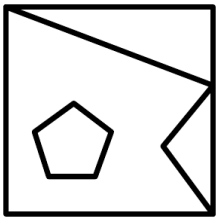
(b)



(c)



(d)



Q24. In the following question below are given some statements followed by some conclusions based on those statements Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements :

I. All G are K.

II. Some K are T.

Conclusion :

I. No T is G.

II. No K is T.

III. All K are G.

(a) Neither conclusion follows

(b) Both conclusions II and III follows

(c) Both conclusions I and II follows

(d) Both conclusions I and III follows

Q25. Select the option that is related to the fifth term in the same way as the second term is related to the first term and fourth term is related to third term.

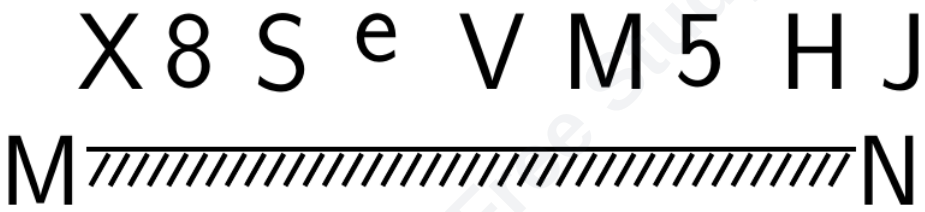
AR9 : DN81 :: PS4 : SO16 :: MT9 : ?

(a) PQ81

(b) PR729

(c) PP81
(d) PP729

Q26. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



(a)



(b)



(c)



(d)



Q27. Which two signs should be interchanged to make the given equation correct?

8 - 9 + 24 × 63 = 33

(a) × and -
(b) = and +
(c) • and =
(d) • and +

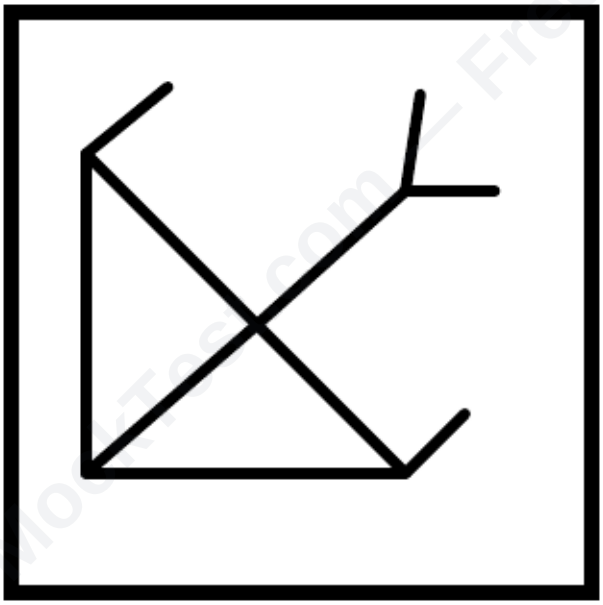
Q28. Eight friends Mansi, Shweta, Monika, Payal, Aarti, Kajal, Laxmi and Rani are sitting around a circular table facing towards the centre (not necessarily in the same order). Mansi is third to the left of Monika. Aarti is second to the right of Monika. Shweta is fourth to the left of Payal. Payal is second to the left of Mansi. Rani is third to the right of Kajal. Kajal is not the immediate neighbour of Mansi. Who is second to the right of Kajal?

(a) Rani
(b) Payal
(c) Laxmi
(d) Aarti

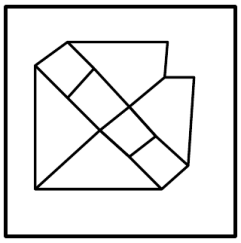
Q29. In a certain code language, 'DEAL' is coded as '22', 'EACH' is coded as '17'. What is the code for 'HALF' in that code language?

(a) 24
(b) 26
(c) 25
(d) 27

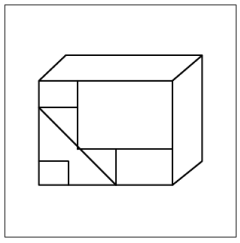
Q30. Select the option figure in which the given figure is embedded as its part (rotation is NOT allowed).



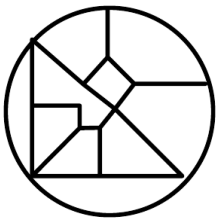
(a)



(b)

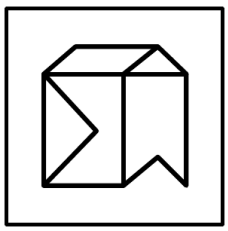


(c)



YourMockTest.com – Free Study Material

(d)



Q31. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

ANS, CJU, EFW, GBY, ?

(a) IXA
(b) JWA
(c) JXB
(d) IWA

Q32. In a certain code language. 'DUGPS' is written as '43771'. How will 'AEMJQ' be written in that language?

(a) 18548
(b) 16418
(c) 15418
(d) 12498

Q33. Price of five cars A, L, J, M and T are compared. Price of A is the least. No two cars have the same price. Price of J is less than T,L and M. Price of neither T nor L is the highest. Price of T is less than L. Price of how many cars is more than the price of T?

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

Q34. Which of the following numbers will replace the question mark (?) in the given series?

-7, -6, -4, -1, 3, 8, 14, ?

(a) 26
(b) 21
(c) 24
(d) 18

Q35. Six girls Mansi, Shweta, Monika, Payal, Aarti and Kajal are sitting around a circular table facing towards the centre (not necessarily in the same order). Kajal is to immediate left of Mansi. Shweta is third to the left of Mansi. Payal is second to the right of Kajal, Monika is not second to the left of Mansi. Who is second to the right of Mansi?

(a) Kajal
(b) Shweta
(c) Monika
(d) Payal

Q36. Words given on the left side of (::) are related with each other by some Logic/Rule/Relation. Select the missing word/word pair on the right side of (::) from the given alternatives based on the same Logic/Rule/Relation.

Cart : Wheel :: ?

(a) House : Room
(b) Chapter : Book
(c) Pedal : Bicycle
(d) Student : Class

YourMockTest.com — Free Study Material

Q37. Select the option in which the numbers shares the same relationship in set as that shared by the numbers in the given set. (NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 - Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on I and 3 is not allowed)

(10, 50, 250)

(20, 100, 500)

(a) (14, 70, 300)
(b) (20, 80, 500)
(c) (10, 50, 200)
(d) (8, 40, 200)

Q38. In the following question below are given some statements followed by some conclusions based on those statements Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements :

I. Some toys are small.

II. Some tall are toys.

Conclusion :

I. Some small are toys.

II. All small are tall.

(a) Only conclusion I follows
(b) Only conclusion II follows
(c) Both conclusions I and II follows
(d) Neither conclusion follows

Q39. In the following question, select the missing number of the given series.

17, 19, 23, 29, 31, ?

(a) 30
(b) 47
(c) 40
(d) 37

Q40. Select the option that is related to the third number in the same way as the second number is related to the first number.

20 : 30 :: 100 : ?

(a) 210
(b) 1480
(c) 150
(d) 140

SESSION 2

Q41. In which of the following articles, "Right against Exploitation" are mentioned?

(a) Article 23 - 24
(b) Article 32 - 35
(c) Article 25 - 28
(d) Article 29 - 30

Q42. The western cyclonic disturbances in India are brought in by the westerly flow from which region?

(a) South-American region
(b) Mediterranean region
(c) Eastern European region
(d) South-African region

Q43. Which organisation is responsible for the development and maintenance of the roads on the Indian borders?

(a) Border Roads Organisation
(b) Western Roadways Organisation
(c) National Green Highways Project
(d) Eastern Roadways Organisation

Q44. Who is the author of the epic poem 'Padmavat'?

(a) Kuldeep Nayyar
(b) Kalidasa
(c) Malik Muhammad Jayasi
(d) Al-Biruni

Q45. Density of population, is expressed as _____.

(a) number of rural persons per unit area
(b) number of literate persons per unit area
(c) number of persons per unit area
(d) number of animals and persons per unit area

Q46. The _____ is a meeting of all adults who live in the area covered by a Panchayat.

(a) Vidhan Sabha
(b) Lok Sabha
(c) Rajya Sabha
(d) Gram Sabha

Q47. Alla Rakha left home at age 12 to learn a musical instrument under the great master (ustad) Mian Quadir Baksh. He became a renowned player of _____.

(a) Sarod
(b) Sarangi
(c) Tabla
(d) Sitar

Q48. When was the Treaty of Purandar signed between Jai Singh I, commander of the Mughal Empire, and Shivaji?

(a) 1639
(b) 1702
(c) 1665
(d) 1681

Q49. Who among the following was named as the captain for the three-match T20 series in New Zealand in November 2022 by the Board of Control for Cricket in India?

(a) Rishabh Pant
(b) Virat Kohli
(c) Hardik Pandya
(d) Shikhar Dhawan

Q50. Provisions related to the seat of the "Supreme Court of India" is mentioned in which article?

(a) Article 132
(b) Article 131
(c) Article 130
(d) Article 129

Q51. In 1867, Keshab Chunder Sen helped found the Prarthana Samaj in _____.

(a) Pune
(b) Calcutta
(c) Bombay
(d) Madras

YourMockTest.com — Free Study Material

Q52. Which dancer received the Padma Shri award in 2021 for her contribution to art?

(a) Alarmel Valli
(b) Piuli Pati
(c) Aparna Satheesan
(d) Manjamma Jogati

Q53. _____ is celebrated as the New Year of Kerala.

(a) Onam
(b) Pongal
(c) Bonalu
(d) Vishu

Q54. The Bandipur National Park is located in which of the following states?

(a) Karnataka
(b) Andhra Pradesh
(c) Kerala
(d) Tamil Nadu

Q55. Duties levied on goods produced within the country are _____.

(a) anti-dumping taxes
(b) excise taxes
(c) custom duties
(d) wealth taxes

Q56. The ozone layer is found in which of the following layers of the atmosphere?

(a) Stratosphere
(b) Troposphere
(c) Mesosphere
(d) Exosphere

Q57. Who among the following was the Governor-General from 1773 to 1785?

(a) Warren Hastings
(b) Lord Dalhousie
(c) William Bentinck
(d) Lord Mountbatten

Q58. The Tapu dance from Arunachal Pradesh is performed by members of the _____.

(a) Munda tribe
(b) Damor Tribe
(c) Garasia Tribe
(d) Adi Tribe

Q59. The iron pillar is situated in which of the following places?

(a) Delhi
(b) Kolkata
(c) Chennai
(d) Jaipur

Q60. LPG subsidy to domestic consumer under PAHAL Scheme is given by _____.

(a) Ministry of Petroleum and Natural Gas
(b) Ministry of Housing and Urban Affairs
(c) Ministry of Finance
(d) Ministry of Consumer Affairs

YourMockTest.com — Free Study Material

Q61. Who among the following Navratnas from Chandragupta II court wrote 'Mantrashastra'?

(a) Kalidasa
(b) Ghatakarapara
(c) Vetala Bhatta
(d) Amarasimha

Q62. Fatima Sheikh was widely regarded as _____.

(a) India's First Female Muslim Entrepreneur
(b) India's First Female Doctor
(c) India's First Female Muslim Teacher
(d) India's First Female Engineer

Q63. Who was the only Indian to qualify for the 2022 Winter Olympics?

(a) Himanshu Thakur
(b) Nadeem Iqbal
(c) Arif Mohammad Khan
(d) Shiva Keshavan

Q64. Which of the following is a non-metal that can exist in different form?

(a) Mercury
(b) Carbon
(c) Lithium
(d) Potassium

Q65. The innermost part of a flower is called the _____.

(a) stamens
(b) pistil
(c) petals
(d) sepals

Q66. Direction: Choose the word that is opposite in meaning to the given word.

Adhere

(a) Establish
(b) Approve
(c) Compel
(d) Condemn

Q67. Direction: Select the most appropriate option to fill in the blank.

Obesity is also a progressive condition, unlike anorexia nervosa, which tends to _____ with age.

(a) inebriate
(b) ameliorate
(c) struggle
(d) negate

Q68. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

In the summer, the weathering can be very hot around here.

(a) weathers could being
(b) No improvement
(c) weather is be
(d) weather can be

YourMockTest.com — Free Study Material

Q69. Direction: Fill in the blank with the most appropriate choice:

At the _____ of the century the early evangelistic zeal of the chief Protestant denominations had notably lessened.

(a) final
(b) angst
(c) end
(d) ante

Q70. Direction: Select the wrongly spelt word.

(a) Indispensable
(b) Discripancy
(c) Tyranny
(d) Pastime

Q71. Direction: Select the most appropriate meaning of the underlined idiom in the given sentence.

With one goal remaining, they weren't out of the woods just yet.

(a) Without hope
(b) Free from difficulties and dangers
(c) Under his control
(d) Between two dangers

Q72. Direction: Select the word segment that substitutes (replaces) the bracketed word segment correctly and completes the sentence meaningfully. Select the option 'no correction required' if the sentence is correct as given.

(Their heads were) dragonish, and their pupil-less eyes white and staring.

(a) Their head were
(b) Their heads was
(c) No correction required
(d) There heads were

Q73. Direction: Select the most appropriate option to fill in the blank.

Sitting at the computer I saw something large and dark fall past my _____ vision followed by a dull thwack.

(a) central
(b) external
(c) peripheral
(d) incidental

Q74. Direction: Select the most appropriate word for the given group of words.

The sound of owls

(a) Honk
(b) Neigh
(c) Croak
(d) Hoot

Q75. Direction: Select the most appropriate antonym to substitute the underlined word in the given sentence.

For years he pursued a vendetta against the Morris family.

(a) conflict
(b) traduce
(c) tirade
(d) harmony

Q76. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Even if a evidence was / relevant to the case, it couldn't / be used to determine the reprobate.

(a) relevant to the case, it couldn't
(b) Even if a evidence was,
(c) No error

YourMockTest.com — Free Study Material

(d) be used to determine the reprobate.

Q77. Direction: Select the most appropriate option to fill in the blank.

In my view, this falls within the exception permitting warranties seizure in _____ circumstances.

(a) reverent
(b) sparse
(c) recondite
(d) exigent

Q78. Direction: Select the most appropriate synonym to substitute the underlined word in the given sentence.

If you think atheists are all miserable, nihilistic amoralists, this book should put you straight.

(a) canonical
(b) cynical
(c) conical
(d) tyrannical

Q79. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

She never did apologized for her misconduct with the boss.

(a) for her misconduct
(b) No error
(c) with the boss.
(d) She never did apologized

Q80. Direction: Select the correctly spelt word.

(a) Inteansity
(b) Intensity
(c) Intencity
(d) Intansity

Q81. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

Fishermen make his lives from the sea.

(a) their living
(b) his living
(c) their live
(d) No improvement

Q82. Direction: Select the most appropriate word for the given group of words.

Rights to vote in an election

(a) Potable
(b) Propoganda
(c) Suffrage
(d) Orchard

Q83. Direction: Select the most appropriate synonym of the given word.

Virtuoso

(a) Waive
(b) Voluble
(c) Maestro
(d) Novice

YourMockTest.com — Free Study Material

Q84. Direction: Select the most appropriate meaning of the given idiom.

Far and wide

(a) Equal opportunity to all
(b) Present everywhere
(c) Dividend into two equal parts
(d) Not frequent, unusual, rare

Q85. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Some realistic estimates will be knew after advance tax collection figures are out.

(a) No error
(b) tax collection figures are out.
(c) be knew after advance
(d) Some realistic estimates will

Directions

In the following passage some of the words have been deleted. Read the passage carefully and select the correct answer for the given blank out of the four alternatives.

As an industrial solvent, pyridine is used in a (1) _____ range of manufacturing processes. It is also a by-product of coking coal, a crucial (2)_____ for steel production. The Tees area was home to both steel and chemical (3)____ and the discharge of contaminated effluent (4) ____ the river and surrounding wetlands has been (5) _____ minimal or no treatment.

Q86. Select the most appropriate option to fill in blank number 1.

(a) wide
(b) wider
(c) widest
(d) widely

Q87. Select the most appropriate option to fill in blank number 2.

(a) code
(b) desire
(c) load
(d) input

Q88. Select the most appropriate option to fill in blank number 3.

(a) fabrication
(b) industries
(c) monopoly
(d) salutation

Q89. Select the most appropriate option to fill in blank number 4.

(a) into
(b) on
(c) to
(d) in

Q90. Select the most appropriate option to fill in blank number 5.

(a) maniac
(b) common
(c) bogus
(d) ruckus

YourMockTest.com — Free Study Material

ANSWER KEY

1	a	2	a	3	a	4	a	5	a	6	a	7	a	8	a	9	a	10	a
11	a	12	a	13	a	14	a	15	a	16	a	17	a	18	a	19	a	20	a
21	a	22	a	23	a	24	a	25	a	26	a	27	a	28	a	29	a	30	a
31	a	32	a	33	a	34	a	35	a	36	a	37	a	38	a	39	a	40	a
41	a	42	a	43	a	44	a	45	a	46	a	47	a	48	a	49	a	50	a
51	a	52	a	53	a	54	a	55	a	56	a	57	a	58	a	59	a	60	a
61	a	62	a	63	a	64	a	65	a	66	a	67	a	68	a	69	a	70	a
71	a	72	a	73	a	74	a	75	a	76	a	77	a	78	a	79	a	80	a
81	a	82	a	83	a	84	a	85	a	86	a	87	a	88	a	89	a	90	a

More previous year papers and mock tests: **www.yourmocktest.com/pyq**

YourMockTest.com – Free Study Material