SSC MTS (2022) Official Paper (Held On: 12 May, 2023 Shift 2) (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-2-previo…

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

SESSION 1

Q1. The radius of a wheel is 21 cm. What is the distance (in cm) travelled by the wheel in 20 revolutions?

(a) 1440 cm
(b) 1500 cm
(c) 2640 cm
(d) 2100 cm

Q2. Dinesh makes four trips of equal distances. His speed on first trip was 140 km/hr and in each subsequent trip his speed was half of the previous trip. What is the average speed of Dinesh in these four trips?

(a) 40 km/hr
(b) 44 km/hr
(c) (112/3) km/hr
(d) (124/3) km/hr

Q3. Krishna travels from point A to point B in 6 hours and returns back to point A from point B in 5 hours. Point A and point B are 220 miles apart along a straight highway. What is the average speed of Krishna for the whole journey?

(a) 44 miles/hr
(b) 40 miles/hr
(c) 50 miles/hr
(d) 22 miles/hr

Q4. What is the compound interest on Rs. 16400 for 1 year at 9% per annum when compounded half-yearly?

(a) Rs. 1640.40
(b) Rs. 1608.20
(c) Rs. 1509.21
(d) Rs. 1680.90

Q5. Find the ratio of the LCM of 44, 10 and 5 to the HCF of 50 and 75.

(a) 15 : 2
(b) 45 : 7
(c) 50 : 3
(d) 44 : 5

Q6. What is the Least Common Multiple of 10, 12 and 15?

(a) 120
(b) 180
(c) 60
(d) 30

Q7. Vijay sells bananas at the rate of Rs. 13 per dozen and earns a profit of 30 percent. The cost price of the bananas increases by 10 percent. If the selling price remains the same, then what is his new profit percent?

(a) 16.66 percent
(b) 18.18 percent
(c) 14.28 percent
(d) 12.5 percent

Q8. Height of a cone is 12 cm and radius of its base is 14 cm. What is the volume of the cone?

(a) 2464 cm^3
(b) 2692 cm^3
(c) 2248 cm^3
(d) 2872 cm^3

Q9. Sides of a triangle are 6 cm, 8 cm and 10 cm. What is the area of the triangle?

(a) 20 cm2
(b) 28 cm2
(c) 24 cm2
(d) 16 cm2

Q10. What is the value of $2[2.75 \times 2.75 + 1.25 \times 1.25]$?

(a) 19.75
(b) 17.50
(c) 18.25
(d) 15.75

Q11. While measuring a line segment of length 10 cm, it was measured 10.2 cm by mistake, what is the percent error in measurement?

(a) 1%
(b) 0.5%
(c) 0.2%
(d) 2%

Q12. Rs. 6000 was to be divided among P, Q and R in the ratio of 5 : 7 : 8. By mistake it was divided among P, Q and R in the ratio of 9 : 7 : 4. What amount R has lost in the division?

(a) Rs. 900
(b) Rs. 600
(c) Rs. 300
(d) Rs. 1200

Q13. A dealer marks his goods at 44% above the cost price. Then he allows 50% discount on it. What would be his loss percentage?

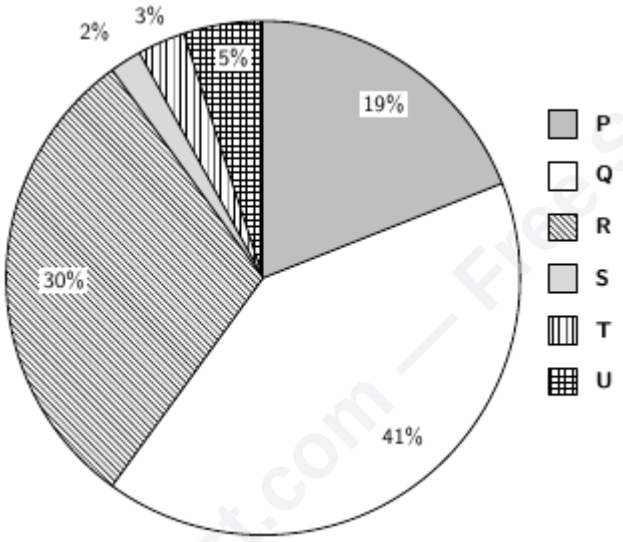
(a) 25%
(b) 28%
(c) 26%
(d) 32%

Q14. The average of 15 numbers is 45. One more number is added, and the new average becomes 50. What is that new number?

(a) 125
(b) 118
(c) 105
(d) 115

YourMockTest.com — Free Study Material

Q15. The pie chart given below shows the production of 6 different factories. The total production of all these 6 factories is 17000. The production of a particular factory is shown as a percent of total production of all these 6 factories.



Which of the following statement is NOT correct?

I. The ratio of the production of P and R together to the production of Q and U together is 49 : 46.

II. The production of S and T together is 91.66 percent more than the production of P and Q together.

(a) Neither I nor II
(b) Only I
(c) Both I and II
(d) Only II

Q16. If two successive discounts of 10 percent and 20 percent are offered, then what is the net discount?

(a) 22 percent
(b) 28 percent
(c) 25 percent
(d) 20 percent

Q17. If p : q = 7 : 5, then what is the value of $((p^2+q^2))/((p^2-q^2))$?

(a) 48/7
(b) 36/11
(c) 37/12
(d) 38/5

Q18. Time taken by boat to cover a distance of x km in upstream is 3 hours more than the time taken by the boat to cover the same distance in downstream. Speed of the boat in upstream is 8 km/hr. Which of the following statement(s) is/are correct?

I. If the value of x is 48 km, then speed of boat in downstream is 16 km/hr.

II. If the speed of boat in downstream is 12 km/hr, then the value of x is 48 km.

(a) Neither I nor II
(b) Only II
(c) Only I
(d) Both I and II

Q19. The table given below shows the production of television and fridge by different companies.

Companies	Television	Fridge
A	60	80
B	50	30

C	40	20
D	30	50
E	70	35

J1 = The value of average production of fridge by D and E.

J2 = The total production of television and fridge by all companies.

What is the value of (J2 - J1)?

(a) 456.2
(b) 314.5
(c) 465
(d) 422.5

Q20. There are 1200 men in a group. They have food for 80 days. After 5 days, 400 men left the group. Remaining food will last for how many days?

(a) 125 days
(b) 110.5 days
(c) 140.8 days
(d) 112.5 days

Q21. 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.

FOM : IJT :: HIT : KDA :: FBQ : ?

(a) JWX
(b) IXX
(c) KXX
(d) IWX

Q22. Speed of five cars named as Vivek, Laxman, Kamal, Mohan and Ramesh are compared. Speed of Vivek is more than only one car. Speed of Ramesh is more than four cars. Speed of Mohan is more than Vivek but less than Kamal and Ramesh. Speed of how many cars is less than the speed of Mohan?

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

Q23. 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 constitueut 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 1 and 3 is not allowed)

(243, 81, 27)

(99, 33, 11)

(a) (27, 25, 23)
(b) (27, 9, 3)
(c) (27, 20, 19)
(d) (27, 18, 9)

Q24. In the following question, select the missing number of the given series.

30, 91, 274, 823, 2470, ?

(a) 7400
(b) 7420
(c) 4580
(d) 7411

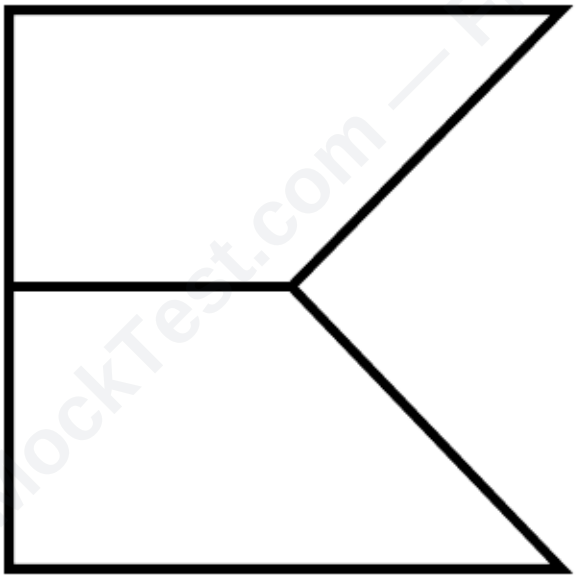
YourMockTest.com — Free Study Material

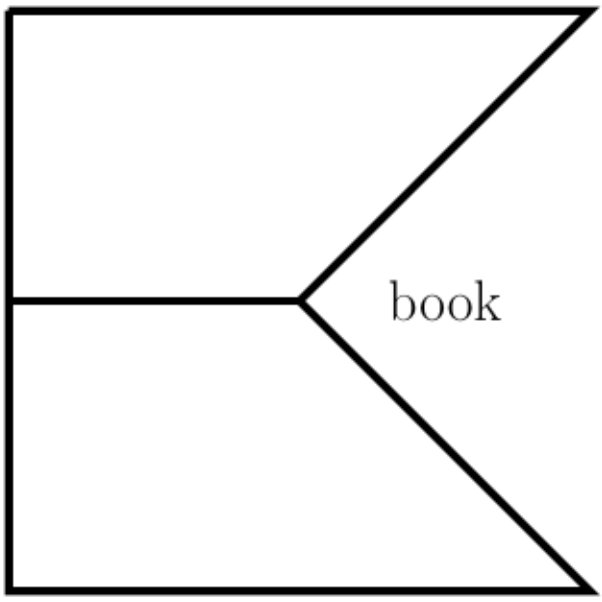
Q25. Select the option that is related to the sixth number in the same way as the first number is related to the second number and third number is related to fourth number.

4 : 66 :: 8 : 514 :: ? : 345

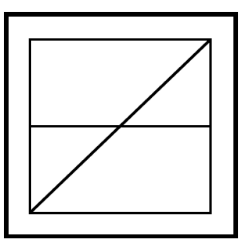
(a) 11
(b) 7
(c) 9
(d) 8

Q26. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

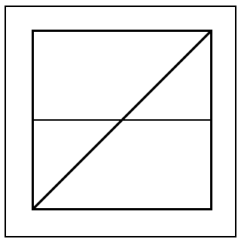




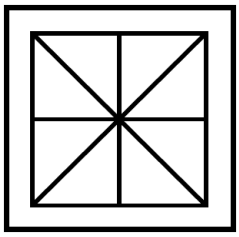
(a)

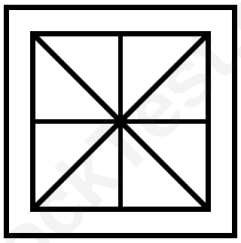


YourMockTest.com — Free Study Material

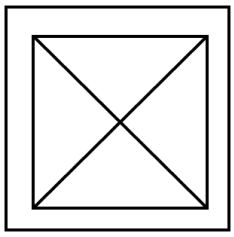


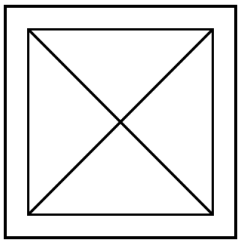
(b)



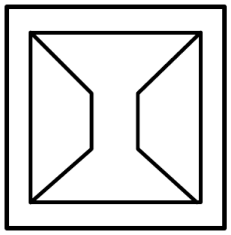


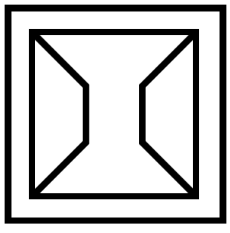
(c)





(d)





YourMockTest.com — Free Study Material

Q27. In a certain code language, 'SQUARE' is written as 'UQSERA'. How will 'CAREER' be written in that language?

(a) RCAREE
(b) EERACR
(c) RACERE
(d) RACREE

Q28. 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 B are M.

II. Some J are B.

Conclusion:

I. Some M are not B.

II. No J is M.

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

Q29. 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 boy are strong.

II. No strong is weak.

Conclusion:

I. All strong are boy.

II. All weak are boy.

III. All weak are strong.

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

Q30. In the following question, select the missing number of the given series.

0, 20, 40, 60, 80, ?

(a) 110
(b) 100
(c) 120
(d) 90

Q31. 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). Monika is second to the right of Kajal. Kajal is third to the right of Shweta. Payal is to the immediate left of Shweta. Shweta is second to the left of Aarti. Laxmi is fourth to the right of Shweta. Mansi is the immediate neighbour of both Shweta and Aarti. Who is second to the right of Mansi?

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

YourMockTest.com — Free Study Material

Q32. Seven boys Rahul, Ram, Ramesh, Sohan, Sahil, Sonu and Monu are sitting around a circular table facing towards the centre (not necessarily in the same order). Monu is second to the left of Sonu. Sonu is second to the left of Rahul. Sahil is not the immediate neighbour of Sonu. Sahil is third to the right of Ram. Sohan is third to the right of Ramesh.

Who is third to the left of Rahul?

(a) Sohan
(b) Ram
(c) Sahil
(d) Ramesh

Q33. After interchanging the given two numbers, what will be the value of the given equation?

3 and 4 ; 3 × 7 - 8 ÷ 2 + 4

(a) 30
(b) 27
(c) 31
(d) 35

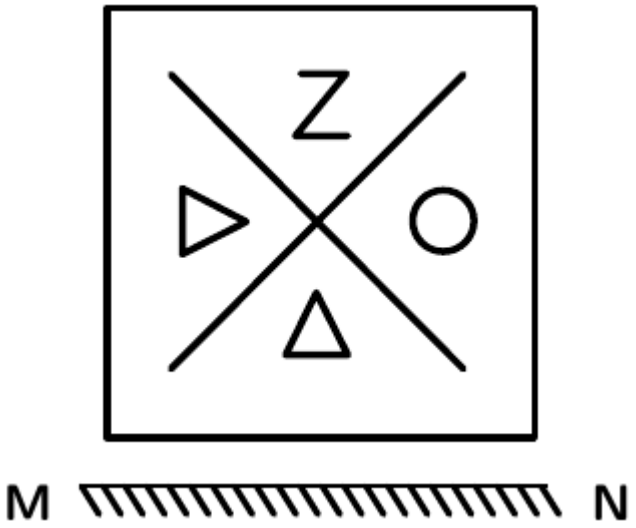
Q34. In a certain code language, 'PADM' is coded as '5372', 'AZDB' is coded as '7209', 'BALL' is coded as '9766'. What is the code for 'M' in that code language?

(a) 2
(b) 9
(c) 7
(d) 5

Q35. In a certain code language, 'NIGHT' is coded as '96270', 'OFTEN' is coded as '87561', 'PILOT' is coded as '23745'. What is the code for 'INF' in that code language?

(a) 257
(b) 269
(c) 264
(d) 268

Q36. Select the correct mirror image of the given figure when the mirror MN is placed as shown below.



(a)



(b)



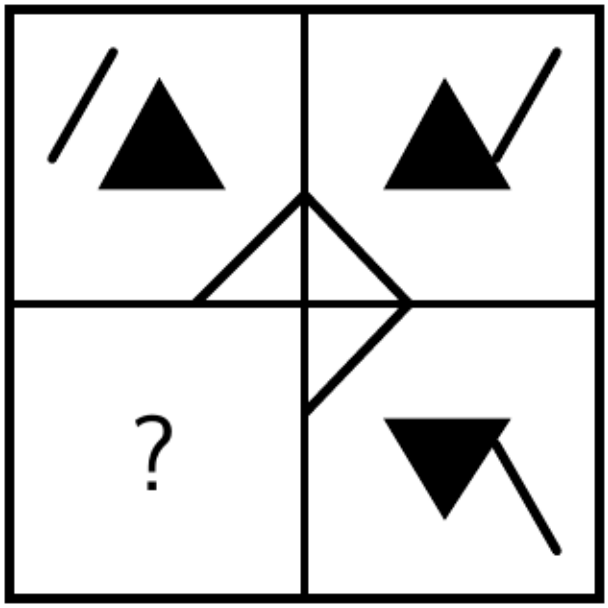
(c)



(d)

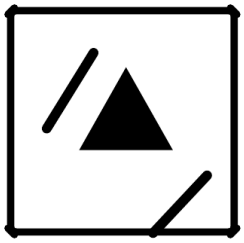


Q37. Which answer figure will complete the pattern in the question figure?

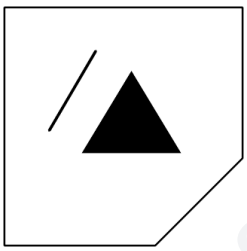


YourMockTest.com — Free Study Material

(a)



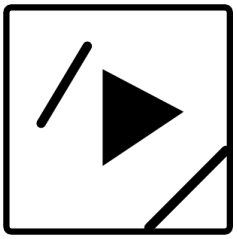
(b)



(c)



(d)



Q38. In a certain code language, 'MOTION' is written as '136435' and 'ONION' is written as '35435'. How will 'NOTION' be written in that language?

(a) 362434
(b) 534354
(c) 352637
(d) 536435

Q39. A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.

FANY, JERC, NIVG, ?, VQDO

(a) RMZK
(b) RMYK
(c) RMMK
(d) RNYK

Q40. Select the option that is related to the fourth term in the same way as the first term is related to the second term and fifth term is related to sixth term.

AKV : ZIS :: ? : ENI :: PQR : OOO

(a) FOL
(b) EPL
(c) FPL

YourMockTest.com — Free Study Material

(d) EQL

SESSION 2

Q41. Annie Besant was associated with which of the following socio-religious movement?

(a) Indian Reform Association
(b) Tattvabodhini Sabha
(c) Adi Brahmo Samaj
(d) Theosophical Society

Q42. Air _____ on heating and ____ on cooling.

(a) expands, contracts
(b) contracts, stabilises
(c) expands, expands
(d) contracts, expands

Q43. Who among the following Mughal Emperors had assumed the title of Padshah?

(a) Jahangir
(b) Babur
(c) Humayun
(d) Akbar

Q44. Garo tribe is related with which region of India?

(a) Western
(b) South
(c) North-eastern
(d) South-western

Q45. Mohiniattam is a classical dance of which state?

(a) Karnataka
(b) Odisha
(c) Tamil Nadu
(d) Kerala

Q46. How often are the Winter Olympic games held?

(a) Every three years
(b) Every four years
(c) Every two years
(d) Every five years

Q47. Which of the following is a characteristic of a plant cell?

(a) Small central vacuole
(b) Chloroplasts absent
(c) Plastid absent
(d) Cell wall is present

Q48. Goods which are of durable character which are used in the production process are called _____.

(a) capital goods
(b) veblen goods
(c) consumption goods
(d) complementary goods

YourMockTest.com — Free Study Material

Q49. What was the title given to the late Sarojini Naidu?

(a) Nightingale of India
(b) Kite of India
(c) Sparrow of India
(d) Hornbill of India

Q50. Who appoints the Chief Justice of India?

(a) Vice-President
(b) President
(c) Supreme Court Judge
(d) Prime Minister

Q51. Which of the following is a fundamental duty stated under the Indian constitution?

(a) To safeguard private property
(b) To protect dignity
(c) To defend the country
(d) To manage religious affairs

Q52. Breeding of fish in specially constructed tanks and ponds is called _____.

(a) Viticulture
(b) Horticulture
(c) Pisciculture
(d) Sericulture

Q53. Ritusamhara or The Six Seasons is a classic of Sanskrit literature, written by _____.

(a) Tulsidas
(b) Ravi Kirti
(c) Kalidasa
(d) Harisena

Q54. ENSO is the phenomenon related to pressure conditions. What is the full form of ENSO?

(a) El Nina Southern Occasions
(b) El Nino Southern Oscillation
(c) El Nino South Occasion
(d) El Nina South Oscillations

Q55. Bhakra Nangal dam is built on which of the following river?

(a) Beas
(b) Sutlej
(c) Chenab
(d) Ravi

Q56. Who among the following became the first Indian player to score 1,000 T20 International runs in a calendar year?

(a) Suryakumar Yadav
(b) Rishabh Pant
(c) Rohit Sharma
(d) Virat Kohli

Q57. _____ unemployment refers to the lowest unemployment level a healthy economy can sustain without causing inflation.

(a) Structural
(b) Disguised
(c) Natural
(d) Frictional

YourMockTest.com — Free Study Material

Q58. In Indus valley civilization, the city of Lothal stood beside a tributary of the _____.

(a) Periyar
(b) Sabarmati
(c) Krishna
(d) Narmada

Q59. Under the Atal Pension Yojana, the pension returns are given after the subscriber turns _____.

(a) 60
(b) 55
(c) 50
(d) 65

Q60. Who has won the most individual gold Olympic medals?

(a) Simone Biles
(b) Katie Ledecky
(c) Usain Bolt
(d) Michael Phelps

Q61. "Gurpurab" is celebrated as a birth anniversary of which Sikh guru?

(a) Guru Angad
(b) Guru Nanak Dev
(c) Guru Arjan Dev
(d) Guru Gobind Singh

Q62. Which of the following states primarily celebrate the chhath puja festival in India?

(a) Rajasthan
(b) Gujarat
(c) Andhra Pradesh
(d) Bihar

Q63. Rukmini Devi Arundale was awarded with 'Padma Bhushan' in the year _____.

(a) 1956
(b) 1987
(c) 1978
(d) 1964

Q64. Which among the following acids is found in coconut oil?

(a) Erucic Acid
(b) Oxalic Acid
(c) Lactic Acid
(d) Lauric Acid

Q65. _____ is a process in which natural rubber is treated with sulphur to make it more durable and elastic.

(a) Saponification
(b) Fermentation
(c) Vulcanisation
(d) Carbonation

Q66. Direction: Select the most appropriate antonym to substitute the underlined word in the given sentence.
An unsullied safety record swelled pride in Concorde's technical achievement as the years passed.

(a) Undefiled
(b) Impeccable
(c) Tarnished
(d) Perfect

YourMockTest.com — Free Study Material

Q67. Direction: Improve the underlined part of the sentence. Choose 'No improvement' as an answer if the sentence is grammatically correct.

Training your dog have required a lot of patience.

(a) require the lot
(b) requires a lot
(c) required lot
(d) No improvement

Q68. Select the most appropriate option to fill in the blank.

The question is why an _____ Hollywood film should provoke such a hostile reaction.

(a) elicit
(b) innocuous
(c) obstinate
(d) erroneous

Q69. Direction: Select the most appropriate option to fill in the blank.

The respondents were very agile and _____ in subduing the situation.

(a) hassled
(b) quick
(c) tedious
(d) tasty

Q70. Direction: Select the most appropriate meaning of the bracketed idiom in the given sentence.

The last observation of yours has (hit the nail on the head).

(a) To have no idea about anything
(b) A personal interest in the matter
(c) To hear rumours
(d) Find exactly the right answer

Q71. Direction: Select the most appropriate synonym of the given word.

Decapitate

(a) Affection
(b) Sincerity
(c) Desolation
(d) Behead

Q72. Given below are some idioms/phrases followed by four alternative meanings to each. Choose the response (a), (b), (c) or (d) which is the most appropriate expression and mark your response in the Answer Sheet accordingly.

It takes two to tango

(a) Two people are required for a couple dance
(b) To fight fiercely
(c) For an argument both parties are equally responsible
(d) An interesting idea

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

Fetal _____ screening uses ultrasound scanning to find certain abnormalities in the baby.

(a) enfevering
(b) anomaly
(c) abeyance
(d) snuggle

YourMockTest.com — Free Study Material

Q74. Direction: Select the most appropriate option to fill in the blank.

For years, people afflicted with the itchy skin condition used stinky coal tar derivatives to _____ their symptoms.

(a) obviate
(b) refer
(c) deviate
(d) alleviate

Q75. Direction: Select the most appropriate option to substitute the bracketed segment in the given sentence. If there is no need to substitute it, select 'no substitution required'.

(No sooner had the ink dried on last week's column, that) one of my long-suffering 17 readers was into action.

(a) No sooner had the ink dry on last week's column, than
(b) No sooner did the ink dried on last week's column, than
(c) No substitution required
(d) No sooner had the ink dried on last week's column, than

Q76. 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.

The (captain with the members of his team) failed to qualify for the African Nations Cup finals.

(a) No correction required
(b) captain and his team
(c) captain along with the members of his team
(d) captain along side the members of his team

Q77. Direction: Select the correctly spelt word.

(a) Deifinatn
(b) Defination
(c) Definition
(d) Definasion

Q78. Direction: Find the part of the given sentence that has an error in it. If there is no error, choose 'No error'.

Your success were short-lived and had disastrous outcomes.

(a) No error
(b) had disastrous outcomes.
(c) short-lived and
(d) Your success were

Q79. Direction: Select the wrongly spelt word.

(a) enigma
(b) expereince
(c) equivocate
(d) effigy

Q80. Direction: Select the word from the options which is similar in meaning to the bracketed part given in the sentence below.

He has been used as the (fall guy) for issues with housing and unemployment.

(a) reticent
(b) confiscate
(c) scapegoat
(d) weakling

Q81. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

The kids there were so notorious, the / more I asked them to quiet down, / the more loud they would scream.

(a) No error
(b) the more loud they would scream.

YourMockTest.com — Free Study Material

(c) more I asked them to quiet down,
(d) The kids there were so notorious, the

Q82. Direction: Select the most appropriate word for the given group of words.
In exactly the same words as were used originally
(a) Misanthrope
(b) Verbatim
(c) Kennel
(d) Lunatic

Q83. Direction: Choose the word that is opposite in meaning to the given word.
Humble
(a) Votary
(b) Passive
(c) Diffident
(d) Assertive

Q84. Directions: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.
Unadulterated and unabashed were/ the two words that the judge use/ to define his performance
(a) Unadulterated and unabashed were
(b) the two words that the judge use
(c) to define his performance.
(d) No error

Q85. Direction: Select the most appropriate word for the given group of words.
An adventurous or bold person
(a) Judgemental
(b) Foolhardy
(c) Debonair
(d) Assaultive

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.

Snail slime is made (1)_____ a mixture of substances. It is mostly water (2)_____ with proteins and some carbohydrates and minerals, (3)___ into a sort of jelly. This jelly is (4)_____ "mucus". It's not that different to the snot that comes out of your nose when you have a (5)_____.

Q86. Select the most appropriate option to fill in blank number 1.
(a) for
(b) of
(c) up
(d) upon

Q87. Select the most appropriate option to fill in blank number 2.
(a) sliced
(b) diced
(c) mixed
(d) rotated

Q88. Select the most appropriate option to fill in blank number 3.
(a) moved
(b) framed
(c) tamed
(d) formed

YourMockTest.com — Free Study Material

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

(a) hailed
(b) called
(c) deemed
(d) stepped

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

(a) plague
(b) cold
(c) bug
(d) complaint

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