SSC MTS 2024 Official Paper (Held On: 29 Oct, 2024 Shift 1) (Previous Year Paper)

SSC Multi-Tasking Staff (MTS) • 2024 • 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-2024-official-paper-held-on-29-oct-2024-shift-1-previou…

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

SESSION 1

Q1. The sum of two natural numbers is 80 and their HCF is 10. How many such pairs of numbers are possible?

(a) 7
(b) 3
(c) 2
(d) 8

Q2. Ankur sells a box to Sunita earning a profit of 20%. Sunita sold it to Mohit with a 9% profit. Mohit sold it to Anjali for Rs. 24,525 thereby gaining 25%. At what price (in Rs.) did Ankur buy the box?

(a) 20000
(b) 17000
(c) 15000
(d) 12000

Q3. Find the curved surface area and total surface area, respectively, of a cylinder of radius of base 28 m and height 40 m.

(a) 7000 m^2 and 11,968 m^2
(b) 7040 m^2 and 11,968 m^2
(c) 7040 m^2 and 11,768 m^2
(d) 7040 m^2 and 11,008 m^2

Q4. If a shopkeeper marks a T-shirt at 20% above the cost price and gives a discount of 10% on it, then find his gain percentage.

(a) 9%
(b) 6%
(c) 4%
(d) 8%

Q5. P and Q walk along a circular track in opposite directions. P completes two rounds of the track in 1 minute and Q completes three rounds of the track in the same time. They start from the same point and walk for 2 minutes. How many times will they meet on the track between start time and end time?

(a) 10
(b) 8
(c) 9
(d) 11

Q6. At a health club, 56% of the members are women and 44% of the members are men. If the average age of the men is 35 years and the average age of the women is 30 years, what is the average age (in years) of all the members?

(a) 33.5
(b) 32.8
(c) 32.2

(d) 34.9

Q7. Anirudh bought an old mobile for Rs. 18,000 and spent 5% of the cost price on its repairing and then sold it for Rs. 21,735. Find the profit percentage earned by Anirudh.

(a) 13%
(b) 15%
(c) 14%
(d) 16%

Q8. Find the simple interest (in Rs.) on Rs. 3500 as a sum borrowed at 6% per year rate of interest for 2 years.

(a) 380
(b) 460
(c) 420
(d) 360

Q9. The average weight of a family of five members (in kg) whose weights are 40 kg, 49 kg, 56 kg, 70 kg and 36 kg is:

(a) 51.2
(b) 49.2
(c) 52.2
(d) 50.2

Q10. The simple interest on a certain sum at the rate of 12.5% p.a. for 3 years and 6 months is Rs. 6,750 less than the principal. Find out the principal.

(a) Rs. 10,650
(b) Rs. 12,000
(c) Rs. 10,000
(d) Rs. 12,350

Q11. A metallic cone of radius 12 cm and height 36 cm is melted and made into spheres of radius 3 cm each. How many spheres are there?

(a) 74
(b) 58
(c) 34
(d) 48

Q12. The average weight of a family of five members (in kg) whose weights are 40 kg, 49 kg, 56 kg, 70 kg and 38 kg is:

(a) 50.6
(b) 49.6
(c) 52.6
(d) 51.6

Q13. The given table shows the production of four types of cars by a company during 2015-2019

Years / Types	2015	2016	2017	2018	2019
A	90	110	96	114	120
B	94	104	91	118	130
C	86	100	87	104	110
D	70	86	76	94	100

The difference between the average production of all cars in 2015 and 2019 is equal to:

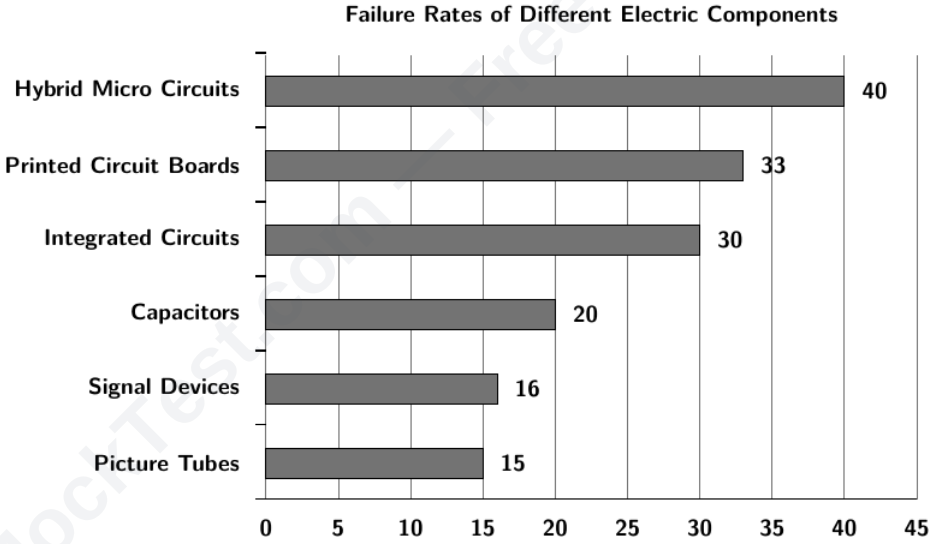
(a) 30
(b) 35
(c) 25
(d) 40

YourMockTest.com — Free Study Material

Q14. Find the average of all the numbers between 21 and 70 which are divisible by 3 and leave the remainder 2.

(a) 45.5
(b) 65.5
(c) 55.4
(d) 55.6

Q15. The following bar graph shows the failure rates per thousand for different electric components:



Failure rate of printed circuit board is what percentage of capacitors?

(a) 154%
(b) 65%
(c) 61%
(d) 165%

Q16. Find the simple interest (in Rs.) on Rs. 2000 as a sum borrowed at 7% per year rate of interest for 5 years.

(a) 660
(b) 700
(c) 740
(d) 640

Q17. A car travels at a uniform speed of 45 km/h for 210 km and then travels for 420 km at a uniform speed of 70 km/h. What is the average speed of the car during the entire journey?

(a) 635/16 km/h
(b) 591/16 km/h
(c) 595/16 km/h
(d) 631/16 km/h

Q18. The price of a pencil is increased by Rs. 2 this year and Rs. 2 in the previous year. The price of a pencil is now 30% more than the price in the previous to the previous year. How much is the price of the pencil now in Rs. ?

(a) 17.33
(b) 13.33
(c) 14.33
(d) 15.33

Q19. A container has 72 litre of pure milk. One-third of the milk is replaced by water in the container. Again, one-third of the mixture is extracted and an equal amount of water is added. What is the ratio of milk to water in the new mixture?

(a) 4 : 5
(b) 3 : 4
(c) 1 : 2
(d) 2 : 3

YourMockTest.com – Free Study Material

Q20. A cylindrical tank, 14 m in radius, contains water up to the depth of 7 m. What is the total area of the wetted surface? (Use π = 22/7)

(a) 1232 m²
(b) 1231 m²
(c) 1233 m²
(d) 1230 m²

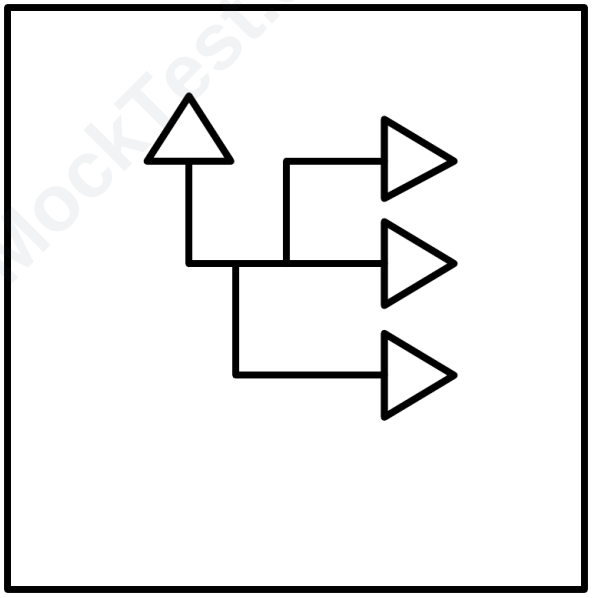
Q21. Which two numbers should be interchanged to make the given equation correct?

92 + 36 – 28 + (42 ÷ 3) – (22 × 4) = 10

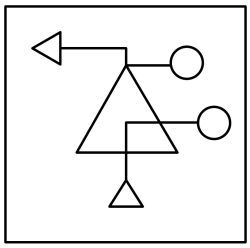
(Note: Interchange should be done of entire number and not individual digits of a given number)

(a) 42 and 36
(b) 3 and 4
(c) 36 and 28
(d) 22 and 28

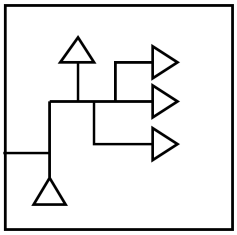
Q22. Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).



(a)

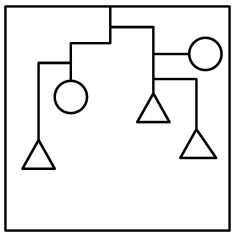


(b)

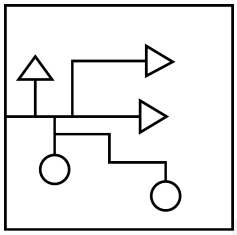


YourMockTest.com — Free Study Material

(c)



(d)



Q23. Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

All pens are razors.

All razors are creams.

Conclusions:

(I) All pens are creams.

(II) All creams are razors.

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

Q24. Seven people A, B, C, D, E, F and G are sitting around a circular table, facing the centre (but not necessarily in the same order). E is sitting third to the left of F. A is sitting third to the left of E. G is sitting third to the right of D. C is sitting to the immediate left of D. B is sitting second to the left of F.

What is the position of F with respect to A?

(a) Second to the left
(b) To the immediate left
(c) Fourth to the right
(d) To the immediate right

Q25. In the following number-pairs, the second number is obtained by applying certain mathematical operations to the first number. Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 - Operations on 13 such as adding/subtracting/multiplying to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

23, 230

46, 460

(a) 84, 410
(b) 35, 620
(c) 24, 120
(d) 52, 520

Q26. What should come in place of the question mark (?) in the given series based on the English alphabetical order?

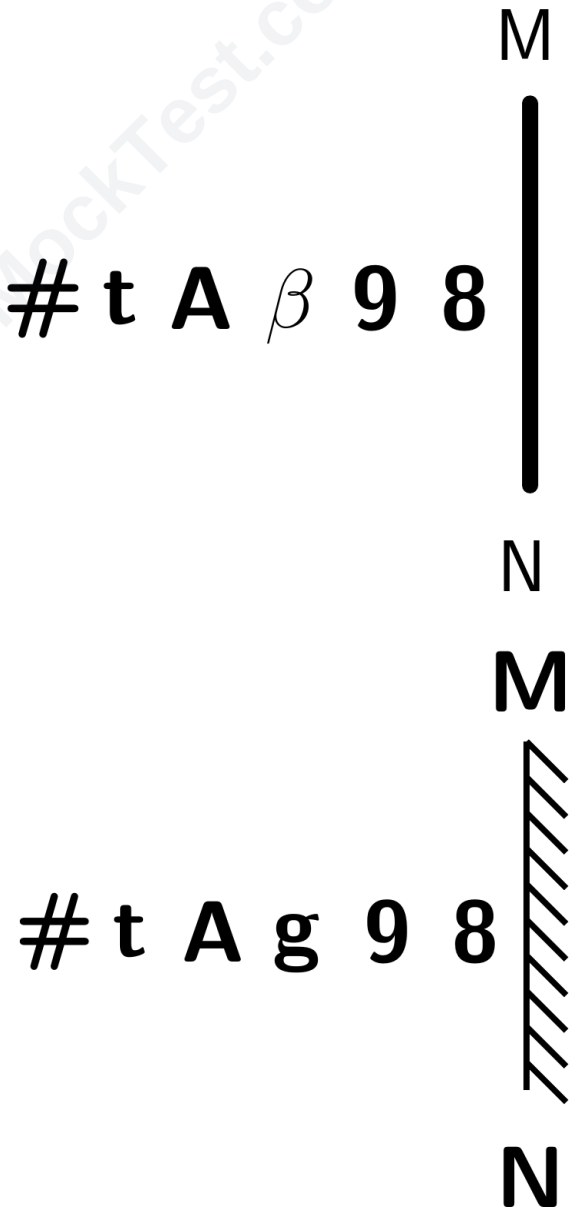
DHC, GKF, JNI, MQL, ?

(a) QTO
(b) QVQ
(c) PTO
(d) PUP

Q27. In a certain code language, ‘GOLF’ is coded as ‘1286’ and ‘WOLF’ is coded as ‘6428’. What is the code for ‘W’ in that language?

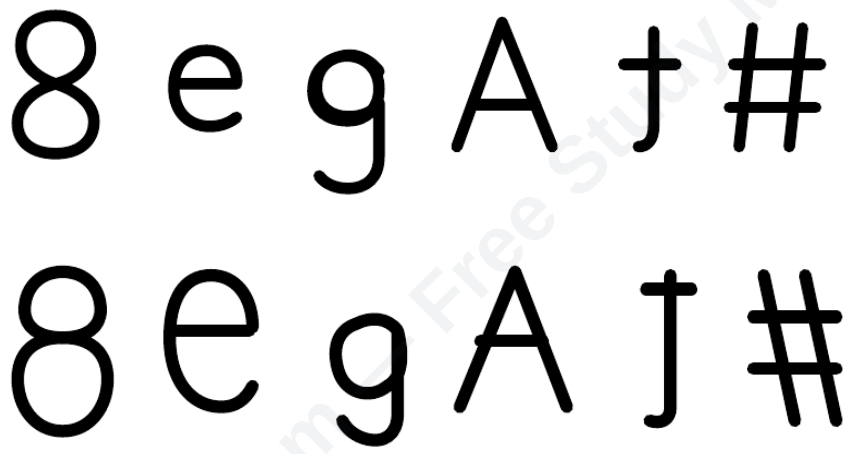
(a) 4
(b) 2
(c) 6
(d) 8

Q28. Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.



YourMockTest.com — Free Study Material

(a)



(b)



(c)



(d)



YourMockTest.com - Free Study Material

8 9 p V 4 #

Q29. In a certain code language, 'TIME' is written as '3629' and 'BEND' is written as '4582'. How is 'E' written in that code language?

(a) 2
(b) 9
(c) 5
(d) 4

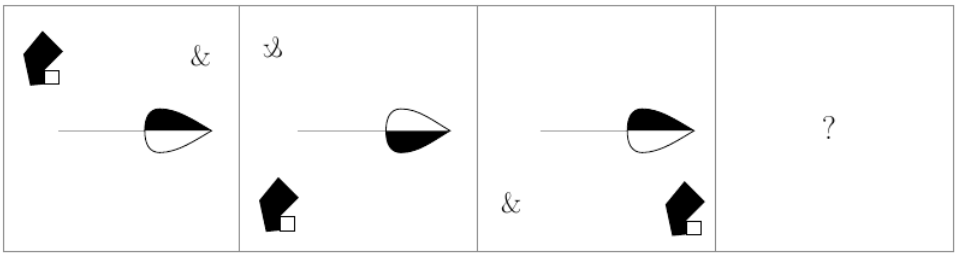
Q30. In a certain code language, 'BEST' is coded as '9715' and 'CLUB' is coded as '8762'.
What is the code for 'B' in the given code language?

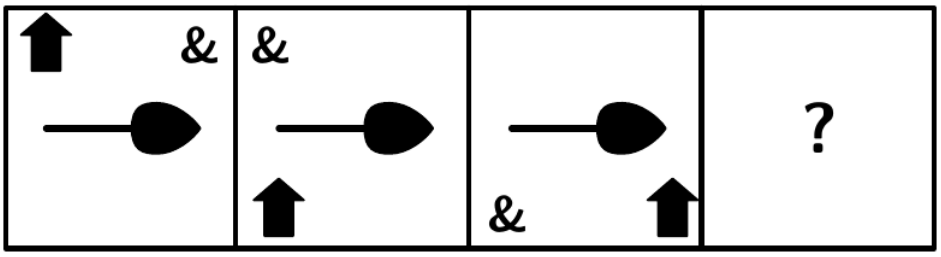
(a) 6
(b) 9
(c) 2
(d) 7

Q31. What should come in place of the question mark (?) in the given series?
42, 48, 54, 60, 66, ?

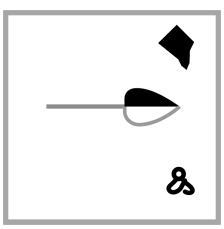
(a) 70
(b) 72
(c) 71
(d) 73

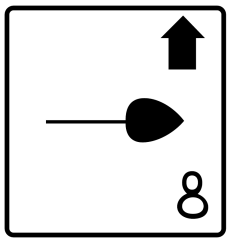
Q32. Select the figure from the given options that when put in place of the question mark (?) will logically complete the series.



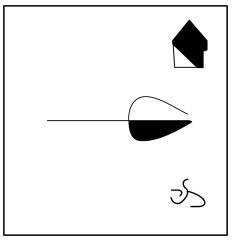


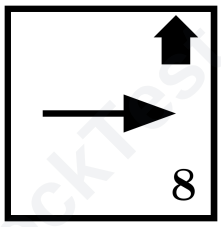
(a)



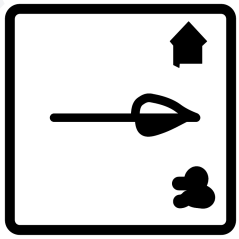


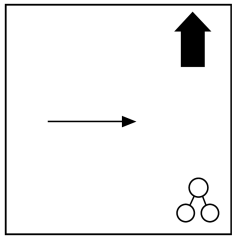
(b)



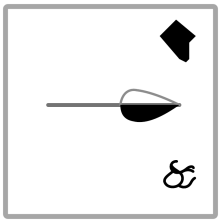


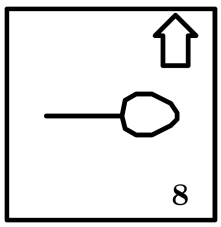
(c)





(d)



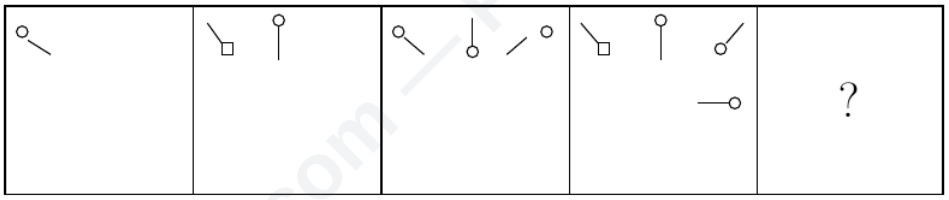


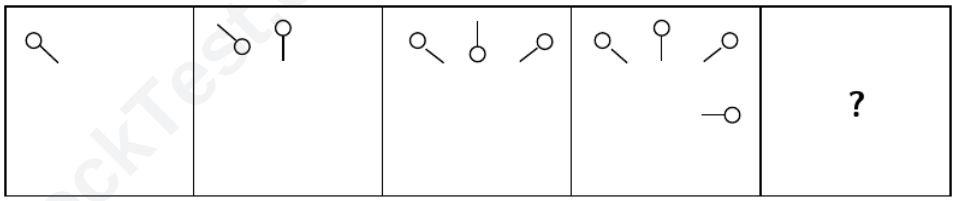
YourMockTest.com — Free Study Material

Q33. A, B, C, D, E, F, and G, are sitting around a circular table facing the centre (but not necessarily in the same order). Only 2 people sit between A and B when counted from the left of A. Both G and F are immediate neighbours of A. C sits immediate to the left of E. Only 2 people sit between D and G when counted from the right of D. How many people sit between E and F when counted from the left of F?

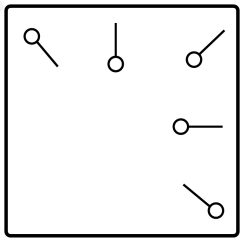
(a) 1
(b) 3
(c) 2
(d) 4

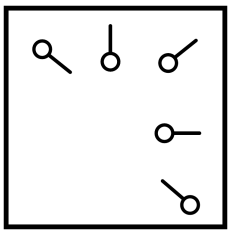
Q34. Identify the figure given in the options which when put in place of ? will logically complete the series.



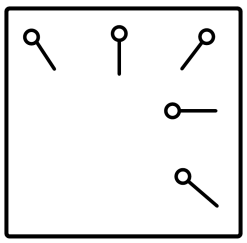


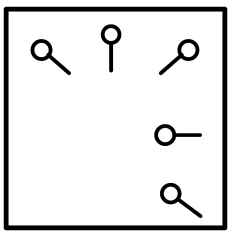
(a)





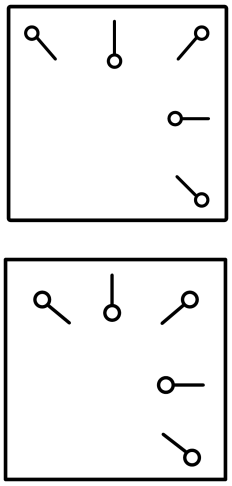
(b)



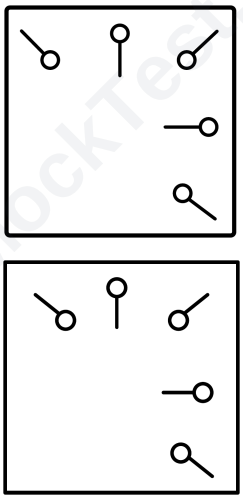


YourMockTest.com — Free Study Material

(c)



(d)



Q35. Read the given statement(s) and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some gums are candies.

No candy is a ball.

Conclusions:

(I) Atleast some candies are gums.

(II) No ball is a gum.

(a) Neither conclusion (I) nor (II) follows.

(b) Both conclusions (I) and (II) follow.

(c) Only conclusion (I) follows.

(d) Only conclusion (II) follows.

Q36. 4 is related to 15 following a certain logic. Following the same logic, 15 is related to 48. To which of the following is 7 related following the same logic?

NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. Eg. 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)

(a) 23

(b) 21

(c) 28

YourMockTest.com — Free Study Material

(d) 24

Q37. OGMI is related to LDJF in a certain way based on the English alphabetical order. In the same way, SKQM is related to PHNJ. To which of the following is VNTP related, following the same logic?

(a) KSMO
(b) SKMQ
(c) SKQM
(d) KSQM

Q38. In a certain code language, 'saroj learns taxes' is written as 'vi ti ui' and 'priya paid taxes' is written as 'pi vi wi'. How is 'taxes' written in the given language?

(a) wi
(b) ui
(c) vi
(d) pi

Q39. Which two signs should be interchanged to make the given equation correct?

39 ÷ 3 − 11 + 45 × 17 = 171

(a) • and ×
(b) ÷ and ×
(c) − and +
(d) − and ×

Q40. OD 11 is related to KH 15 in a certain way. In the same way, ID 5 is related to EH 9. To which of the following is LK 3 related, following the same logic?

(a) HO -3
(b) HO 7
(c) HP 7
(d) HO 3

SESSION 2

Q41. Padma awardee Arjun Singh Dhurve is related to which of the following folk dances?

(a) Baiga
(b) Garba
(c) Chhau
(d) Raslila

Q42. Which of the following awards is NOT conferred for excellence in dance?

(a) Sangeet Natak Akademi Award
(b) Kalidas Samman Award
(c) Lalit Kala Akademi Award
(d) Padma Shree Award

Q43. The 'Rath Yatra' festival of Puri is celebrated as the sacred journey of which of the following Hindu deities?

(a) Lord Brahma
(b) Lord Rama
(c) Lord Jagannath
(d) Lord Shiva

Q44. Which of the following are the amounts of nutrients in a keto diet?

(a) Only taking high number of vitamins and minerals
(b) High protein and fat, carbohydrates in a low amount
(c) High amount of fat, adequate protein and low carbohydrate
(d) High carbohydrate, proper amount of protein and low fat

YourMockTest.com — Free Study Material

Q45. The element with atomic number 59 lies in which block of the Periodic Table?

(a) The s-block
(b) The f-block
(c) The p-block
(d) The d-block

Q46. Which book has been authored by Rabindra Bharali?

(a) Indie 101
(b) The Forgotten Forms of Hindustani Music
(c) The Music Room
(d) Music to my Ears

Q47. Andal was one of the most famous women _____ saints.

(a) Sufi
(b) Alvar
(c) Nayanar
(d) Tantric

Q48. The original non-metamorphic rock that undergoes profound physical or chemical changes leading to the formation of a metamorphic rock is known as:

(a) Regolith
(b) Bedrock
(c) Protolith
(d) Laterite

Q49. Which of the following is NOT a Fundamental Duty mentioned in the Indian constitution?

(a) To obey parents and discharge our family responsibilities
(b) To abide by the Constitution and respect its ideals and institutions, the National Flag, National Anthem
(c) To cherish and follow the noble ideals which inspired our national struggle for freedom
(d) To uphold and protect the sovereignty, unity and integrity of India

Q50. Which bonding material was mainly used to join the stones or bricks of 'The Great Bath' of the Harappan Civilisation?

(a) Gypsum Mortar
(b) Mud Mortar
(c) Gauged Mortar
(d) Lime Mortar

Q51. Which of the following is NOT a cropping season in India?

(a) Kharif
(b) Zaid
(c) Rabi
(d) Fang

Q52. In January 2023, who was sworn in as the Chief Minister of Bihar for the ninth time?

(a) Tejaswi Yadav
(b) Sushil Modi
(c) Nitish Kumar
(d) Lalu Yadav

Q53. Which of the following options correctly matches column-A with column-B?

Column- A (Name of Vitamin)	Column B (Deficiency Diseases)
i. Vitamin A	a. Scurvy
ii. Vitamin D	b. Beriberi

YourMockTest.com — Free Study Material

iii. Vitamin B1	c. Rickets
iv. Vitamin C	d. Night Blindness

(a) i-d, ii-c, iii-a, iv-b
(b) i-c, ii-d, iii-b, iv-a
(c) i-c, ii-d, iii-a, iv-b
(d) i-d, ii-c, iii-b, iv-a

Q54. Who is the chairman of the State Planning Board?
(a) Advocate General
(b) Governor
(c) Chief Minister
(d) Speaker

Q55. Magnolia and Laurel trees are found in which type of forest in India?
(a) Tropical Thorn Forests
(b) Montane Forests
(c) Mangrove Forests
(d) Tropical Deciduous Forests

Q56. According to the Census of India 2011, what was the total population of India?
(a) 1.41 billion
(b) 2.98 billion
(c) 1.11 billion
(d) 1.21 billion

Q57. In 1927, where was the conference against colonial oppression and imperialism, in which Jawaharlal Nehru participated on behalf of Indian National Congress, held?
(a) Bruges
(b) Leuven
(c) Antwerp
(d) Brussels

Q58. Duare Ration Scheme, which has been deemed legally void by the high court, was launched by which of the following states?
(a) Uttar Pradesh
(b) West Bengal
(c) Madhya Pradesh
(d) Punjab

Q59. Which reform was initiated by Lord Ripon for the welfare of labourers?
(a) The Financial Decentralisation
(b) The Factory Act
(c) The Vernacular Press Act
(d) The Educational Reforms

Q60. The Ashokan inscriptions of Afghanistan are written in Aramaic and _____ scripts.
(a) Greek
(b) Devanagari
(c) Sharada
(d) Ol Chiki

YourMockTest.com — Free Study Material

Q61. As per Census of India 2011, which of the following states has the highest child sex ratio (in the age group of 0-6 years)?

(a) Rajasthan
(b) Kerala
(c) Mizoram
(d) Chhattisgarh

Q62. Who was the first Indian woman to be inducted into the ICC Hall of Fame?

(a) Purnima Rau
(b) Diana Edulji
(c) Mithali Raj
(d) Jhulan Goswami

Q63. How many gold medals did Maharashtra win to top the medal tally at the 37th National Games event held in Goa?

(a) 80
(b) 69
(c) 79
(d) 72

Q64. Who among the following personalities from the Carnatic Music correctly represent the 'Trinity of Carnatic Music'?

(a) Purandaradasa, Annamacharya and Tyagaraja
(b) Manambuchavadi Venkatasubbaiyar, Tyagaraja and Muthuswami Dikshitar
(c) MS Subbalakshmi, DK Pattammal and ML Vasanthakumari
(d) Tyagaraja, Muthuswami Dikshitar and Syama Sastri

Q65. Revenue account includes items related to the _____.

(a) previous financial year
(b) next financial year
(c) all of the given options
(d) current financial year

Q66. In the following sentence the underlined part contains an error. Alternatives to the underlined part are given as options. Select the correct alternative.

The speech you made today was sillier and irrelevant.

(a) silliest
(b) silly
(c) most silly
(d) more silly

Q67. Select the most appropriate option that can substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

She showed this plant and talked about it's medicinal properties.

(a) its medicinal properties
(b) their medical properties
(c) it's medical properties
(d) it medical properties

Q68. Select the most appropriate synonym of the given word.

Diligent

(a) Lazy
(b) Industrious
(c) Noisy
(d) Positive

YourMockTest.com — Free Study Material

Q69. Select the most appropriate ANTONYM for the given word.

Merciful

(a) Cunning
(b) Mild
(c) Cruel
(d) Magical

Q70. The given sentence is divided into three segments. Select the option that has the segment with a grammatical error. If there is no error, select "No error".

She learnt / how to play a piano / when she was in Class 6^(th).

(a) when she was in Class 6^(th).
(b) No error
(c) She learnt
(d) how to play a piano

Q71. Select the most appropriate synonym of the word 'isolated' from the given sentence.

A Greek mythological story says that Echo was the most beautiful nymph who lived in the lovely and lonely mountains of Greece and is believed to be garrulous too.

(a) Garrulous
(b) Lonely
(c) Beautiful
(d) Lovely

Q72. Select the option that rectifies the spelling of the underlined word in the given sentence.

She always wears a bizzare combination of clothes.

(a) Bizarre
(b) Bizar
(c) Bizzar
(d) Bizare

Q73. Select the option that can be used as a one-word substitute for the given group of words.

The act of transferring one's authority to another

(a) Mediary
(b) Agency
(c) Assignee
(d) Delegation

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

"It's really _____ to incorporate changes at the last minute," she said.

(a) difficulty
(b) difficulties
(c) difficult
(d) most difficult

Q75. Select the most appropriate idiom to fill in the blank.

Despite the setbacks, the team decided to persevere and keep working on the project, believing it could be a _____ for their company.

(a) game-changer
(b) beat around the bush
(c) needle in a haystack
(d) wild goose chase

YourMockTest.com — Free Study Material

Q76. Select the most appropriate adjective to fill in the blank.

The judge declared that the red car went _____ than the blue car.

(a) more far
(b) farther
(c) far
(d) farthest

Q77. Select the most appropriate option that can substitute the underlined segment in the given sentence.

It is worth noting that the possible from him being voted as the class monitor is next to zero.

(a) possibility at him
(b) possibly of him
(c) possibility of him
(d) possible of him

Q78. Select the most appropriate idiom that can substitute the highlighted words in the given sentence.

His sudden departure left us in a difficult situation; it was like he suddenly took away important support from us.

(a) pulled the rug out
(b) hit the nail on the head
(c) got his act together
(d) hit the sack

Q79. Select the correctly spelt word.

(a) Ocassion
(b) Acommodate
(c) Embarrassment
(d) Recieve

Q80. Select the most appropriate meaning of the given idiom.

An axe to grind

(a) Bitterly hostile
(b) To tackle a problem in a bold and direct fashion
(c) To make a supreme effort
(d) To have a selfish reason that influences the actions

Q81. Select the INCORRECTLY spelt word.

(a) Necessary
(b) Cuorse
(c) Consider
(d) Personal

Q82. The following sentence has been divided into four segments. One of them contains an error. Select the segment that contains the error from the given options.

She has been speaking to him on the subject many times.

(a) She has been speaking
(b) to him on
(c) many times
(d) the subject

Q83. Select the most appropriate ANTONYM of the word 'yelling' in the given sentence.

The shouting and exclaiming gestures of Smita led to the whispering regarding her behaviour, and everyone in the party started monitoring her.

(a) whispering
(b) monitoring
(c) shouting

YourMockTest.com — Free Study Material

(d) exclaiming

Q84. Select the option that expresses the given sentence in simple future tense form.

I loved.

(a) I will love.
(b) I had loved.
(c) I love.
(d) I shall be loving.

Q85. Select the most appropriate ANTONYM of the given word.

Evasive

(a) Obscure
(b) Elusive
(c) Truthful
(d) Chaotic

Directions

In the following passage, some words have been deleted. Read the passage carefully and select the most appropriate option to fill in each blank.

In a small village, lived a milkmaid ____1__ sold the milk that she 2_ from her cows. She _3_ carry the milk in a big mud pitcher. One day, as she was walking _4_ the big pitcher full of milk on her head, she started to imagine all the things she wished to do with the money she would _5____ from selling the milk.

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

(a) whose
(b) which
(c) who
(d) that

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

(a) bought
(b) brought
(c) got
(d) drank

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

(a) should
(b) will
(c) can
(d) would

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

(a) with
(b) on
(c) in
(d) by

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

(a) catch
(b) dig
(c) earn
(d) throw

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