SSC MTS Previous Year Paper (Held on: 5 Oct 2021 Shift 1)

SSC Multi-Tasking Staff (MTS) • 2021 • 100 questions • 90 minutes • Answer key

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

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GENERAL ENGLISH

Q1. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

There are many birds in the verandah today. Hema, please feed those.

(a) fed those
(b) feed them
(c) fed them
(d) No substitution required

Q2. Select the most appropriate meaning of the given idiom.

To get on the nerves

(a) To irritate
(b) To have an illness
(c) To soothe
(d) To give medicine

Q3. Select the most appropriate synonym of the given word.

PROTEST (v.)

(a) favour
(b) assist
(c) object
(d) support

Q4. Select the most appropriate one-word substitution for the given words.

One who interferes in the affairs of others, often for selfish reasons

(a) foreigner
(b) interpreter
(c) interloper
(d) strange

Q5. Select the most appropriate synonym of the given word.

INDULGENCE

(a) diligence
(b) accuracy
(c) attentiveness
(d) leniency

Q6. Select the INCORRECTLY spelt word.

(a) editable
(b) outhority
(c) meddle
(d) condition

Q7. Select the most appropriate option to fill in the blank.

Many _____ tales evoke the memory of Akbar and Birbal.

(a) popular
(b) populated
(c) populous
(d) populist

Q8. Select the most appropriate option to fill in the blank.

The _____ for a vaccine could take up to a year.

(a) chase
(b) search
(c) pursuit
(d) track

Q9. Select the most appropriate option to fill in the blank.

I hope your parents_____ soon.

(a) recover
(b) are recover
(c) are recovering
(d) should recover

Q10. Select the most appropriate ANTONYM of the given word.

SLY

(a) Stiff
(b) Thick
(c) Slow
(d) Honest

Q11. Select the most appropriate meaning of the given idiom.

By the same token

(a) Use the same password
(b) In the same way
(c) Use the same ticket
(d) In the same bus

Q12. Select the most appropriate ANTONYM of the given word.

NARROW

(a) tight
(b) wide
(c) firm
(d) solid

Q13. Identify the segment in the sentence which contains a grammatical error.

We do hope you are enjoy this online course in art and craft.

(a) We do hope
(b) in art and craft
(c) you are enjoy
(d) this online course

Q14. Select the most appropriate one-word substitution for the given group of words.

Restore (someone) to health or normal life after imprisonment, addiction, or illness

(a) reinstate
(b) refurbish
(c) rehabilitate

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(d) renovate

Q15. Identify the segment in the sentence which contains a grammatical error.

Have you decided what you want to become when you grown up.

(a) when you grown up
(b) what you want
(c) Have you decided
(d) to become

Q16. Select the most appropriate option to fill in the blank.

Today, banking in a seamless world _____ a distinct reality.

(a) are
(b) is
(c) was
(d) have

Q17. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

I can't live at a place which is far from the sea.

(a) No substitution required
(b) hasn't lived
(c) can't lived
(d) couldn't being live

Q18. Select the most appropriate option to substitute the underlined segment in the given sentence. If there is no need to substitute it, select 'No substitution required'.

During the winter months the bears go without food by nearly six to seven months.

(a) for almost
(b) from almost
(c) No substitution required
(d) for quite

Q19. Select the INCORRECTLY spelt word.

(a) dealer
(b) queer
(c) obvious
(d) heasitete

Q20. Identify the segment in the sentence which contains a grammatical error.

Seldom has the discoveries of the world's greatest discoverers, like Copernicus or Galileo, been forgotten.

(a) Seldom has the discoveries
(b) like Copernicus or Galileo
(c) of the world's greatest discoverers
(d) been forgotten

Directions

Direction: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

One day while the magistrate was walking (1)____ a market he saw a crowd outside a poultry shop. (2)__ enquiring what the matter was (3)__ learned that a peasant had accidentally (4)__ a heavy sack on a chicken, (5)____ it to death.

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Q21. Select the most appropriate option to fill in blank number 1.

(a) through
(b) aside
(c) over
(d) along

Q22. Select the most appropriate option to fill in blank number 2.

(a) wheareas
(b) so
(c) how
(d) on

Directions

Direction: In the following passage some words have been deleted. Fill in the blanks with the help of the alternatives given. Select the most appropriate option for each blank.

One day while the magistrate was walking (1)____ a market he saw a crowd outside a poultry shop. (2)__ enquiring what the matter was (3)__ learnt that a peasant had accidentally (4)__ a heavy sack on a chicken, (5)____ it to death.

Q23. Select the most appropriate option to fill in blank number 3.

(a) him
(b) she
(c) they
(d) he

Q24. Select the most appropriate option to fill in blank number 4.

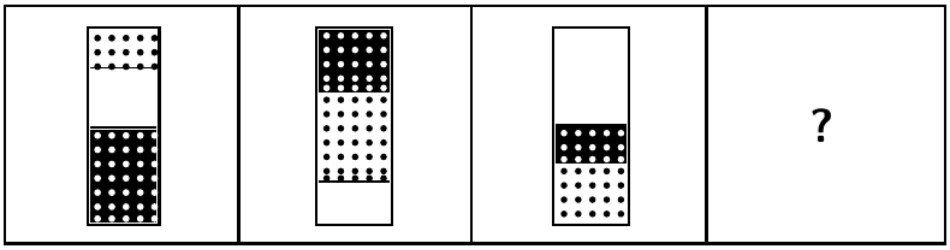
(a) picked
(b) dropped
(c) filled
(d) selected

Q25. Select the most appropriate option to fill in blank number 5.

(a) covering
(b) creeping
(c) crushing
(d) crumbling

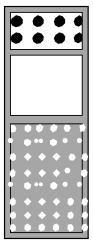
GENERAL INTELLIGENCE & REASONING

Q26. Select the figure that will replace the question mark (?) in the following figure series.

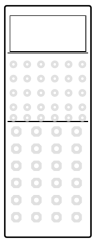


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(a)



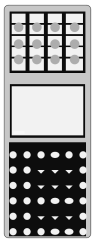
(b)



(c)



(d)



Q27. Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

All Cups are Plates.

Some Plates are Saucers.

Conclusions:

I. All Plates are Cups.

II. Some Cups are Saucers

(a) Neither conclusion I nor II follows.

(b) Both conclusions I and II follow.

(c) Only conclusion I follows.

(d) Only conclusion II follows.

Q28. Select the option that is related to the third letter-cluster in the same way as the second letter-cluster is related to the first letter-cluster.

FLUIDITY : YUTLIIFD : : IMPROVISE : ?

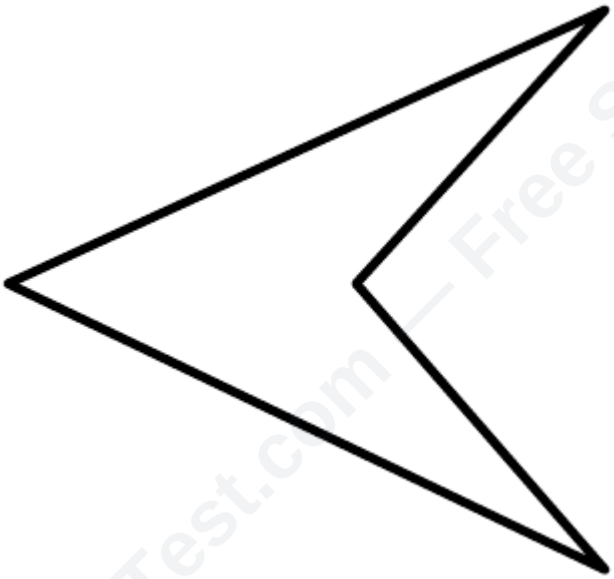
(a) ORPMIESIV

(b) VSRPOMIIE

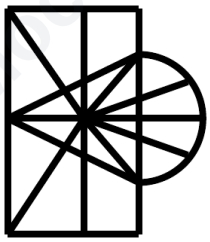
(c) VRPSOIIME

(d) PMIVORESI

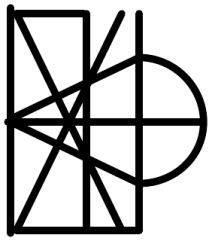
Q29. Identify the option in which the following figure is embedded (rotation is NOT applicable).



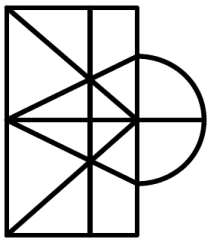
(a)



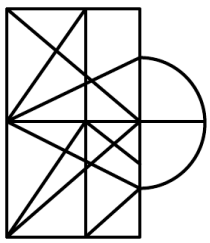
(b)



(c)



(d)



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Q30. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pair.

144 : 168

(a) 64 : 82
(b) 81 : 100
(c) 121 : 143
(d) 169 : 159

Q31. In a certain code language, if SMOOTHIE is written as UKQMVFKC, then how will HEAVENLY be written as in the same code language?

(a) FGYXCPJA
(b) FCYTCLJW
(c) JCCTGLNW
(d) JGCXGPNA

Q32. Two statements are given, followed by two conclusions numbered I and II. Assuming the statements to be true, even if they seem to be at variance with commonly known facts, decide which of the conclusions logically follow(s) from the statements.

Statements:

Some Pans are Bottles.

All Bottles are Mugs.

Conclusions:

I. All Mugs are Bottles.

II. Some Mugs are Pans.

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

Q33. Abhay's uncle sent him some mangoes from Konkan. If he was to eat some specific number of mangoes every day, they would have lasted for 60 days. But, Abhay's cousin Rajiv came to spend the holidays with him and both of them finished the mangoes in 36 days. If Rajiv alone was to eat the mangoes, then how many days would they have lasted?

(a) 72
(b) 180
(c) 120
(d) 90

Q34. Select the alternative which has the same relation to the word with an arrow as the second word is to the first word.

Villain: Hero:: Devil:?

(a) Virtuous
(b) Beast
(c) Angel
(d) Divine

Q35. Select the set in which the numbers are related in the same way as are the numbers of the following set.

(4, 3, 35)

(a) (8, 13, 110)
(b) (6, 9, 65)
(c) (7, 12, 95)
(d) (9, 18, 153)

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Q36. In a certain code language, if GLOWING is written as GGILNOW, then how will OBVIOUS be written as in the same code language?

(a) BOIVUOS
(b) BIOOSUV
(c) IVBOSUO
(d) VUSOOIB

Q37. Which number will replace the question mark (?) in the following number series?

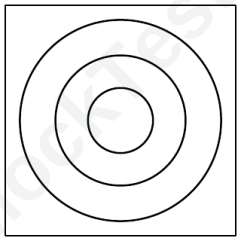
6, 11, 18, 27, 38, ?

(a) 49
(b) 54
(c) 53
(d) 51

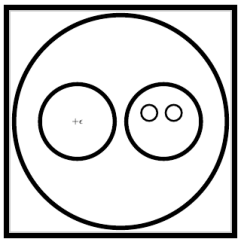
Q38. From the given options select the Venn diagram that best illustrates the relationship between the following classes:

Pencil, Sharpener, Lead

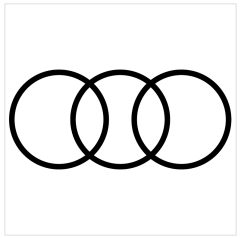
(a)



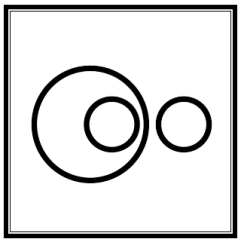
(b)



(c)



(d)



Q39. Six persons are posing before a camera for a group photograph. P is standing exactly between N and S, while Q is to the immediate left of N. O is at the extreme right, while R is to his immediate left. Who is to the exact right of S?

(a) Q
(b) P
(c) R

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(d) N

Q40. Which two digits can be interchanged so as to balance the given equation?

87 × 2 – 65 + 182 ÷ 38 = 155

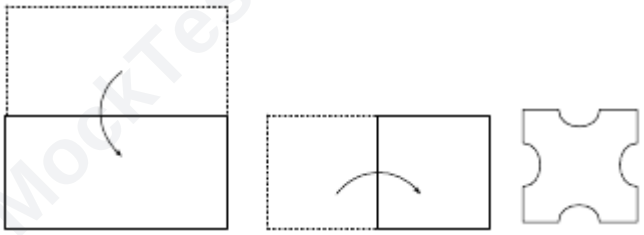
(a) 6 and 2
(b) 5 and 7
(c) 2 and 8
(d) 8 and 6

Q41. Select the correct sequence of mathematical signs to sequentially replace the * signs so as to balance the given equation.

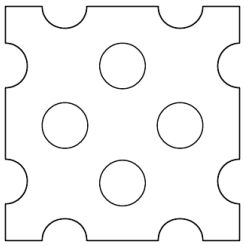
46 * 72 * 18 * 27 * 135 = 19

(a) +, ÷, ×, -
(b) -, ×, ÷, +
(c) ×, ÷, -, +
(d) ÷, -, +, ×

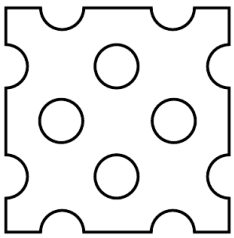
Q42. A paper is folded and cut as shown in the following figures. How will it appear when unfolded?



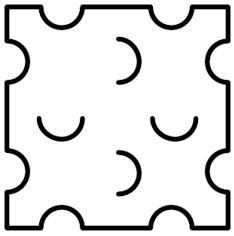
(a)



(b)

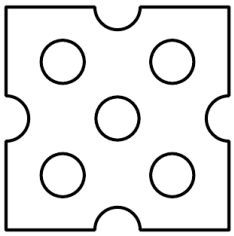


(c)

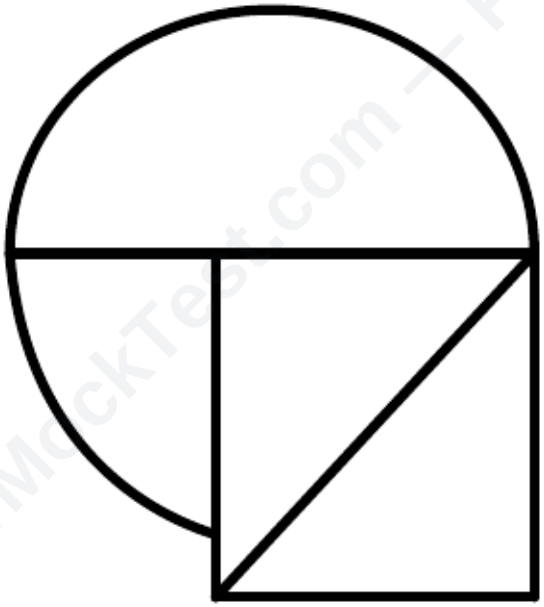


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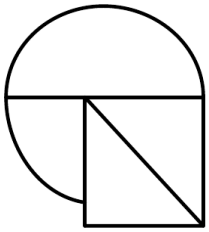
(d)



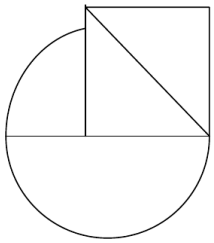
Q43. Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.



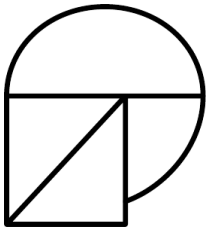
(a)



(b)

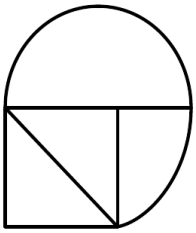


(c)



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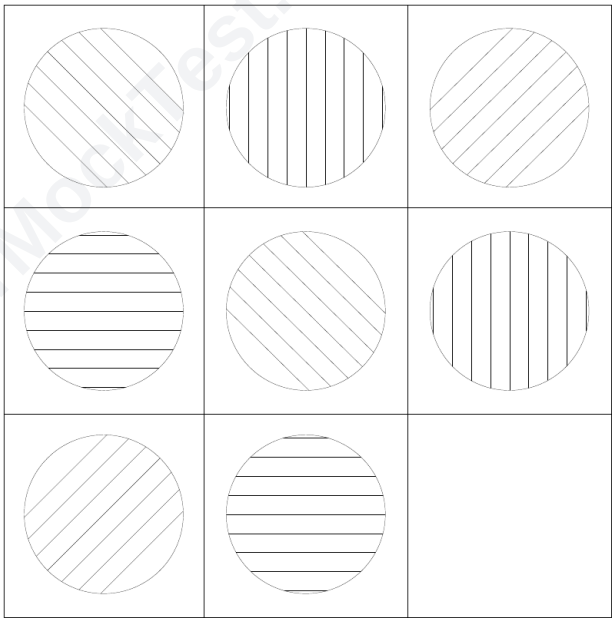
(d)



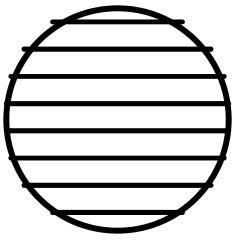
Q44. In the morning prayer of a school, Chanchal was 8th from the front, while Prince was 11th from the back in the same row. If they swap their positions, Chanchal becomes 22nd from the front. What is the number of students in the row?

(a) 32
(b) 30
(c) 31
(d) 33

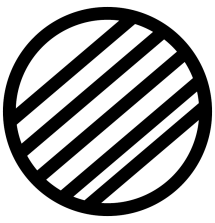
Q45. Identify the option figure that completes the pattern.



(a)

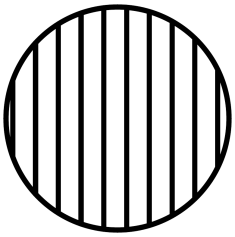


(b)

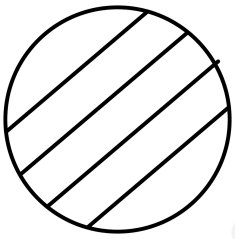


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(c)



(d)



Q46. 'Sewing' is related to 'Tailor' in the same way as 'Painting' is related to '_____'.

(a) Canvas
(b) Paint
(c) Painter
(d) Printer

Q47. Which letter-cluster will replace the question mark (?) in the following letter-cluster series?

VSP, NKH, FCZ, ?

(a) XVS
(b) WTQ
(c) WUS
(d) XUR

Q48. Which number will replace the question mark (?) in the following number series?

128, 116, 126, 118, 124, ?

(a) 118
(b) 122
(c) 120
(d) 124

Q49. In a certain code language, FEVERISH is coded as 29 and COUNSEL is coded as 98, then how will MUTATED be coded as in the same code language?

(a) 48
(b) 92
(c) 84
(d) 80

Q50. If in a certain code language, PETITION is coded as 75292965. and GERMINATE is 759495125, then how will COMPLEX be coded as in the same code language?

(a) 3536254
(b) 4514776
(c) 4647256
(d) 3647356

NUMERICAL APTITUDE

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Q51. A salesperson, with a view to promote sales of an item, applies the principle of simple interest. He declares that 300 pieces of the item can be obtained immediately against cash payment, but a customer will get only 200 pieces of the item if he defers the payment for a year. What is the rate percentage of interest on the whole?

(a) 40
(b) 50
(c) 30
(d) 25

Q52. Two containers have mixtures of milk and water, respectively, in the ratios 3 : 2 and 6 : 5. In what ratio should the contents be mixed so that the ratio of milk to water in the final mixture is 4 : 3?

(a) 9 : 14
(b) 10 : 11
(c) 6 : 13
(d) 5 : 8

Q53. In a Δ ABC, angle BAC = 90°, A perpendicular AD is drawn from point A on line BC. Which among the following is the mean proportional between BD and BC?

(a) CD
(b) AB
(c) AD
(d) AC

Q54. Two friends, one of whom is thrice as efficient as the other, working together, can complete a work in 6 days. In how many days will the less efficient among the two be able to complete twice the quantum of work?

(a) 24
(b) 12
(c) 48
(d) 36

Q55. Consider ten consecutive odd numbers starting from 5. Multiply each of them, except the first and the second, with three. What will be the average of the ten numbers so formed?

(a) 42
(b) 39.6
(c) 38.4
(d) 39

Q56. Two men A and B, each working alone by working 12 hours per day, can complete a work in 20 days. For execution of the work, it was decided that A and B would be working for 8 and 6 hours per day, respectively, on alternate days starting with A. If it takes x days and y hours to complete the work then (x, y) is:

(a) (33, 2)
(b) (33, 4)
(c) (34, 2)
(d) (34, 4)

Q57. The value of 14/11÷{[11/80÷ 3/4(1/4-1/3× 1/5)÷15/6]+9/11} is:

(a) 1
(b) 4
(c) 10
(d) 5

Q58. Simplify ((3+3/2÷61/2× 1/3) of 41/3)/((-8/3÷2))

(a) 10
(b) -30/13
(c) 40/3
(d) -10

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Q59. If gain 124% by selling an item for Rs. 1,232, then what would be my gain or loss percentage if I sell it for Rs. 572?

(a) 4% loss
(b) 4% gain
(c) 6% loss
(d) 6% gain

Q60. Due to some crisis, some people from State A migrated to State B, and thereby the population of the second State increased by 19.96%. However, at a later stage, all of them returned to State A. Then by what percentage (correct up to two decimal places) did the population of State B decrease?

(a) 19.96
(b) 16.64
(c) 17.54
(d) 18.24

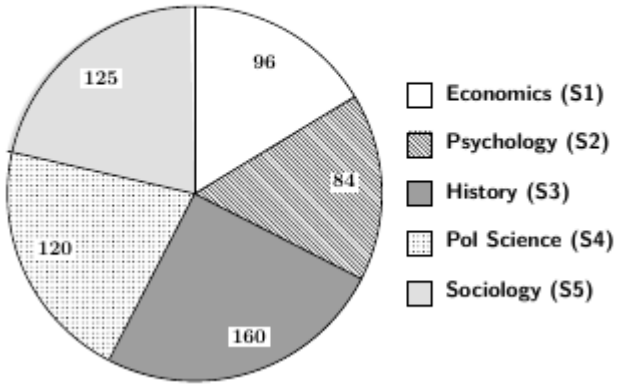
Q61. The area of a square is S, and that of the square formed by joining the mid-points of the given square is A, The value of A/S is equal to:

(a) 0.125
(b) 0.5
(c) 1.25
(d) 0.25

Q62. The number of students taking admission in First Year of a Degree Course at a college in areas of Social Sciences in 2012 was as follows: Economics (S1) - 96, Psychology (S2) - 84, History (S3) - 160. Political Science (S4) - 120. Sociology (S5) - 125. The break-up of students in different subjects has been presented through the given pie chart.

Study the pie chart and answer the question that follows.

The number of students taking admission in the First Year of Degree Course at a college in areas of Social Science in 2012

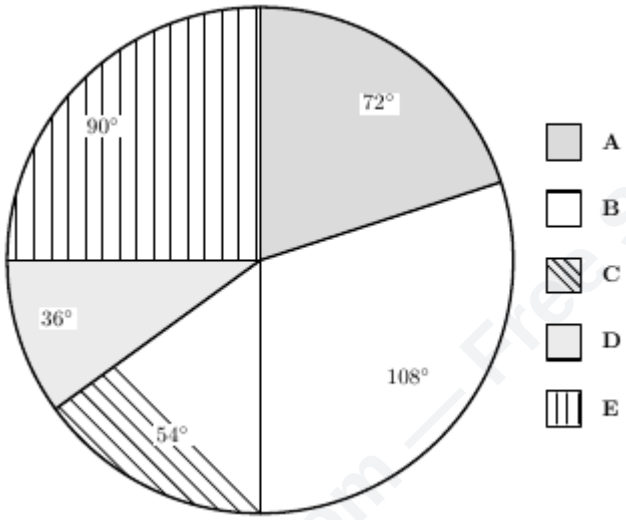


In 2013, 20% of the Sociology students, 25% of the Political Science students, and one-sixth of the Economics students shifted to another college, and the number of History students got increased by 10% due to students shifting from other colleges. Over and above this, 10% of the remaining Sociology students and one-seventh of the Psychology students got transferred to Economics. What will be the central angle (to the nearest degree) of the sector corresponding to History in the pie chart, representing the break-up in 2013?

(a) 120
(b) 102
(c) 126
(d) 112

Q63. Study the given pie chart and answer the question that follows.

The pie chart shows the distribution (degree-wise) of the number of players who play five sports A, B, C, D, and E (assuming each player plays only one sport).



If the number of players who play sport C is 162, then the difference between the total number of players who play sports A and E is:

(a) 72
(b) 90
(c) 36
(d) 54

Q64. How much time (in seconds) does the earth take to rotate through an angle of 135 degrees about its axis?

(a) 28800
(b) 33600
(c) 21600
(d) 32400

Q65. A fruit vendor brings 1092 apples and 3432 oranges to a market. He arranges them in heaps of equal number of oranges as well as apples such that every heap consists of the maximum possible number of the fruits. What is this number?

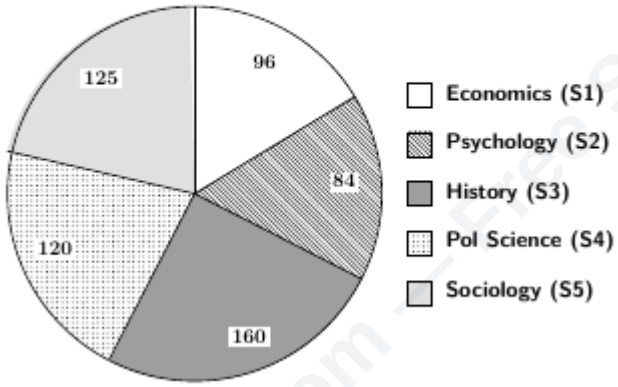
(a) 156
(b) 312
(c) 78
(d) 39

Q66. The number of students taking admission in the First Year of Degree Course at a college in areas of Social Sciences in 2012 were as follows: Economics (S1) - 96, Psychology (S2) - 84, History (S3) - 160, Political Science (S4) - 120, Sociology (S5) - 125. The break-up of students in different subjects has been presented through the given pie chart.

Study the pie chart and answer the question that follows.

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The number of students taking admission in the First Year of Degree Course at a college in areas of Social Science in 2012



The total number of students in Economics and Psychology is what percentage of the total number of students in History, Political Science and Sociology (correct to two decimal places)?

(a) 33.33
(b) 46.48
(c) 44.44
(d) 22.28

Q67. A retailer opens her outlet on all seven days of the week. It is observed that her average sales for Saturdays and Sundays combined is Rs. 300, and Rs. 200 for the remaining five days combined. For a month starting on a Saturday, it was found that the total sales were Rs. 7,000. Which among the following months it could be?

(a) January
(b) February
(c) April
(d) March

Q68. The marked price of an article is Rs. 400. A shopkeeper sells it by giving two successive discounts of 12% and 20% on its marked price. If he earns a profit of 10%, then the cost price of the article is:

(a) Rs. 268
(b) Rs. 256
(c) Rs. 250
(d) Rs. 260

Q69. If x and y are two numbers having opposite signs, and $x^2 : y^2 = 16 : 81$, then what is the value of $(3x+4y)/(2x-3y)$?

(a) 48/35
(b) -27/40
(c) -24/35
(d) 12/25

Q70. A container in the shape of a right circular cone, whose radius and depth are equal, gets completely filled by 128000 spherical droplets, each of diameter 2 mm. What is the radius (in cm) of the container?

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

Q71. The total surface area of a solid right circular cylinder is 1617 cm^2. If the diameter of its base is 21 cm, then what is its volume (in cm^3)? (Take $\pi = 22/7$)

(a) 3971
(b) 4851

(c) 5228
(d) 5324

Q72. What is the median of the distribution: 34, 22, 13, 11, 27, 19, 25, 16?

(a) 19
(b) 21.5
(c) 20.5
(d) 22

Q73. The cost of manufacturing an item was Rs. 24,000, and 20% of it was spent on packaging and its shipment to a retailer. The manufacturer made a profit of 50%, while the retailer incurred a loss of 20% in selling it to a customer. At what price (in Rs.) was the item sold by the retailer?

(a) 35,268
(b) 37,664
(c) 34,560
(d) 32,400

Q74. A sum of Rs. 6,400 invested on the basis of yearly compounding of interest, grows to Rs. 7,056 in two years. What is the percentage rate of interest?

(a) 5
(b) 7.5
(c) 4
(d) 6.25

Q75. The speed of wind during a storm is 10^5 mm per sec. How long (in seconds) will it take a dust particle suspended in air to travel 1 km?

(a) 1
(b) 10
(c) 0.01
(d) 0.1

GENERAL AWARENESS

Q76. _____, a festival of the Galo tribe of Arunachal Pradesh, is celebrated in April every year.

(a) Doljatra
(b) Ali Ai Ligang
(c) Mopin
(d) Me Dum Me Phi

Q77. Moved by the Swadeshi Movement, _____ painted his famous image of Bharat Mata portraying her as an ascetic figure.

(a) Jyotirindranath Tagore
(b) Abanindranath Tagore
(c) Satyendranath Tagore
(d) Dwijendranath Tagore

Q78. Which of the following princely states was annexed by the British under the pretext of 'misgovernment of the Nawab'?

(a) Awadh
(b) Nagpur
(c) Satara
(d) Udaipur

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Q79. Which of the following statements about the Reserve Bank of India is INCORRECT?

(a) The Reserve Bank of India commenced operations in 1935.
(b) In 1931, the Indian Central Banking Enquiry Committee revived the issue of the establishment of the Reserve Bank of India as the Central Bank for India.
(c) In 1929, the Hilton Young Commission recommended the establishment of a central bank to be called the 'Reserve Bank of India'.
(d) The Reserve Bank of India Act was enacted in 1934.

Q80. Where was the first jute mill set up at West Bengal in 1855?

(a) Sreerampur
(b) Rishra
(c) Mesra
(d) Howrah

Q81. The Kamakhya Temple is located in _____.

(a) Agartala
(b) Guwahati
(c) Kohima
(d) Imphal

Q82. Which of the following diseases is NOT caused by ingesting polluted water?

(a) Meningitis
(b) Typhoid
(c) Rabies
(d) Cholera

Q83. Which of the following statements is INCORRECT?

(a) Metals have high melting points.
(b) Metals are good conductors of heat.
(c) Lead and mercury are best conductors of heat.
(d) Pure metals have a shining surface

Q84. Hafiz (Hafez) was a _____ century poet whose collection of poems is known as 'Diwan' or 'Diwan-e-Hafiz'.

(a) 14^(th)
(b) 17^(th)
(c) 16^(th)
(d) 15^(th)

Q85. Which of the following Acts was enacted in British India in the year 1878?

(a) Indian Contract Act
(b) East India Stock Dividend Redemption Act
(c) Transfer of Property Act
(d) Vernacular Press Act

Q86. Which of the following books was written by James Mill, a Scottish economist, in 1817?

(a) The History of British in India
(b) The Great Mutiny
(c) Poverty and Un-British Rule in India
(d) A Passage to India

Q87. Which of the following is NOT a natural acid-base indicator?

(a) Red cabbage leaves
(b) Thyme leaves
(c) Geranium flowers
(d) Petunia flowers

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Q88. Who is the first Indian cricketer to have twin centuries in his maiden appearance as a Test opener?

(a) Rohit Sharma
(b) MS Dhoni
(c) Shikhar Dhawan
(d) Virat Kohli

Q89. The Kodava community of Coorg worships weapons during the _____ festival.

(a) Bhagoria
(b) Kailpodh
(c) Thaipusam
(d) Madai

Q90. The Buxa Tiger Reserve in West Bengal is threatened by the ongoing:

(a) magnetite mining
(b) copper mining
(c) hematite mining
(d) dolomite mining

Q91. Which of the following books is written by Rajendra Prasad?

(a) An Autobiography: Towards Freedom
(b) Glimpses of World History
(c) The Discovery of India
(d) India Divided

Q92. After the Battle of Plassey, _____ was made Nawab of the Bengal.

(a) Sirajuddhaula
(b) Mir Jafar
(c) Alivardi Khan
(d) Mir Kasim

Q93. As per the Companies Act, 2013, a dividend declared by a company but not paid or claimed within _____ days from the date of declaration is to be transferred to the Unpaid Dividend Account.

(a) 90
(b) 60
(c) 120
(d) 30

Q94. The monthly maintenance amount of Rs. _____ payable by children to parents, set by the Maintenance and Welfare of Parents and Senior Citizens Bill, 2007, was removed by the Maintenance and Welfare of Parents and Senior Citizens (Amendment) Bill, 2019.

(a) 10,000
(b) 8,000
(c) 5,000
(d) 12,000

Q95. Who among the following is a professional football player?

(a) Magnus Carlsen
(b) Peter Svidler
(c) Boris Gelfand
(d) Sadio Mane

Q96. Which of the following concepts implies that sustainable development should take a holistic approach towards notions of progress and give equal importance to non-economic aspects of wellbeing?

(a) Gross Domestic Product
(b) Gross National Happiness

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(c) Net National Product
(d) Gross National Product

Q97. How many colours does sunlight consist of?
(a) five
(b) Three
(c) Two
(d) Seven

Q98. What was India's rank in the Human Development Index-2019 released by the United Nations Development Programme (UNDP)?
(a) 141
(b) 132
(c) 112
(d) 129

Q99. Zinc + Sulphuric acid → Zinc sulphate + _____
(a) Chlorine
(b) Hydrogen
(c) Nitrogen
(d) Carbon

Q100. Which of the following is a snow-fed river?
(a) Godavari
(b) Yamuna
(c) Narmada
(d) Kaveri

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
91	a	92	a	93	a	94	a	95	a	96	a	97	a	98	a	99	a	100	a

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