SSC MTS Previous Year Paper (Held on: 12 Oct 2021 Shift 2)

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

Take this paper as a timed mock test

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

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

GENERAL ENGLISH

Q1. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.

Children has to bring their own food.

(a) to bring
(b) Children has
(c) their own food
(d) No error

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

To be taken aback

(a) To be excited
(b) To be irritated
(c) To be nervous
(d) To be surprised

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

RAPTUROUS

(a) Delighted
(b) Worried
(c) Agitated
(d) Disgusted

Q4. Direction: Select the most appropriate option to fill in the blank.

Problems often _____ when you least expect them.

(a) raise
(b) arise
(c) rise
(d) arouse

Q5. Select the most appropriate word for the given group of words.

Imaginary line dividing Earth into northern and southern hemispheres.

(a) Longitude
(b) Equator
(c) Axis
(d) Latitude

Q6. Direction: Select the most appropriate option to fill in the blank.

_____ this water looks clean, it may be contaminated.

(a) In case
(b) Despite
(c) Although

(d) Because

Q7. Select the INCORRECTLY spelt word.

(a) Leave
(b) Lease
(c) Leagend
(d) Legacy

Q8. Direction: Select the most appropriate option to substitute the underlined segment in the given sentence.
Srilekha is Mr. Singhs daughter.

(a) Mr. Singh
(b) Mr. Singhs'
(c) Mr. Singh's
(d) Mr. Singhs's

Q9. Select the most appropriate word for the given group of words.
To get ready

(a) Pretend
(b) Preserve
(c) Protect
(d) Prepare

Q10. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.
I was watching a whole scene very carefully.

(a) No error
(b) a whole scene
(c) very carefully
(d) I was watching

Q11. Select the most appropriate ANTONYM of the given word.
RADIANCE

(a) Brilliance
(b) Glow
(c) Dullness
(d) Glitter

Q12. Direction: Identify the segment that contains a grammatical error. If there is no error, select 'No error'.
Who has distributed these sweets among the children?

(a) No error
(b) among the children
(c) Who has distributed
(d) these sweets

Q13. Select the most appropriate ANTONYM of the given word.
PRECISE

(a) Actual
(b) Correct
(c) Definite
(d) Vague

Q14. Direction: Select the most appropriate option to fill in the blank.
I stayed _____ my uncle's house last night.

(a) at
(b) on

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(c) in
(d) by

Q15. Direction: 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.'

Priya had strong enough to fight all odds and succeed in meeting her goals in life.

(a) has stronger
(b) No substitution required
(c) is strength
(d) was strong

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

If my memory _____ me right, Abhimanyu was not killed by one person but by seven warriors.

(a) serves
(b) makes
(c) supports
(d) finds

Q17. Direction: 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'.

The sun is very large than Earth.

(a) very larger than
(b) No substitution required
(c) much larger than
(d) much large as

Q18. Select the INCORRECTLY spelt word.

(a) Offshoot
(b) Officiate
(c) Offance
(d) Offspring

Q19. Select the most appropriate meaning of the given idiom.

In the eye of the storm.

(a) Be involved in discussion
(b) Be calm in difficulty
(c) Be in a controversial situation
(d) Be the centre of attraction

Q20. Select the most appropriate synonym of the given word.

PACIFY

(a) Upset
(b) Irritate
(c) Soothe
(d) Excite

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.

The department of the post has ____ (1) __ inter-city road transport of parcels from Calcutta to Guwahati, Bhubaneswar and Patna. The inter-city __ (2) __ of parcels by road __ (3) __ amid the inability of the railways __ (4) __ adequate space and the preference given __ (5) ____ the airways to perishable commodities.

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Q21. Select the most appropriate option to fill in blank no. 1.

(a) started
(b) start
(c) starting
(d) to starting

Q22. Select the most appropriate option to fill in blank no. 2.

(a) moves
(b) move
(c) movement
(d) moving

Q23. Select the most appropriate option to fill in blank no. 3.

(a) was coming
(b) comes
(c) is coming
(d) come

Q24. Select the most appropriate option to fill in blank no. 4.

(a) providing
(b) provide
(c) provided
(d) to provide

Q25. Select the most appropriate option to fill in blank no. 5.

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

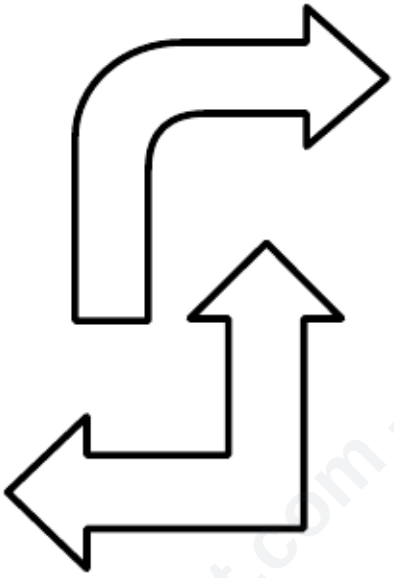
GENERAL INTELLIGENCE & REASONING

Q26. Some persons P, Q, R, S, T, U are sitting beside a round table facing the centre. S is sitting just opposite of R, who is immediate left of Q. T is sitting immediate right of Q. If U is exactly in opposite of Q, then what is the sitting location of P?

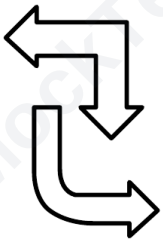
(a) Left of U
(b) Between S and T
(c) Right of R
(d) Between U and R

Q27. Select the correct mirror image of the given figure when the mirror is placed to the right side of the figure.

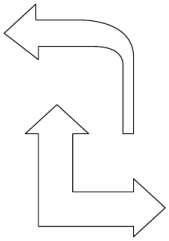
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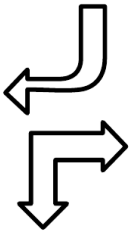
(a)



(b)



(c)



(d)



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Q28. In a class of 42 students, Ritika ranks 13th from the top while Sheetal is 34th from the bottom. How many students are there between Ritika and Sheetal?

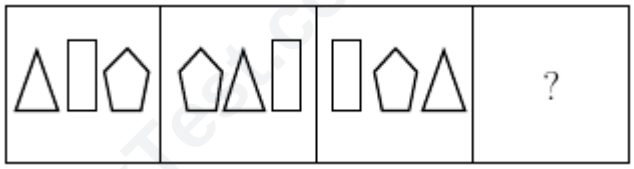
(a) 2
(b) 1
(c) 4
(d) 3

Q29. Select the option in which the number-pair shares the same relationship as that shared by the following number-pair.

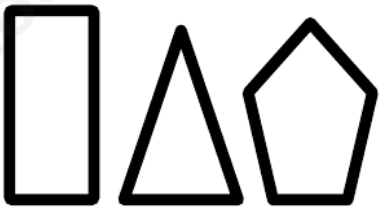
84 : 96

(a) 46 : 60
(b) 64 : 82
(c) 42 : 58
(d) 68 : 82

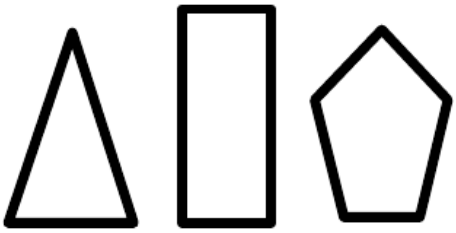
Q30. Select the option figure that will replace question mark (?) in the following figure series.



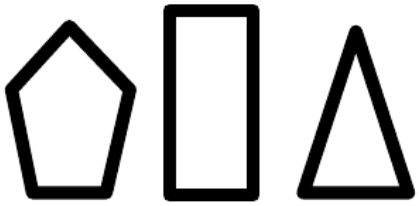
(a)



(b)



(c)



(d)



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Q31. Select the correct sequence of mathematical signs to replace the * signs so as to balance the given equation.

42 * 36 * 5 * 78 * (8 * 5) = 216

(a) ÷ + × + -

(b) • × - ÷ +

(c) × ÷ + - +

(d) • + ÷ × +

Q32. Which number will replace the question mark (?) in the following number series?

8, 16, 12, 32, 16, 64, ?

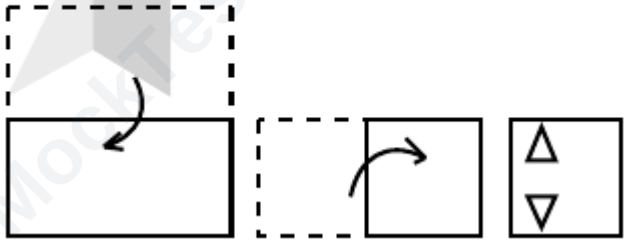
(a) 18

(b) 32

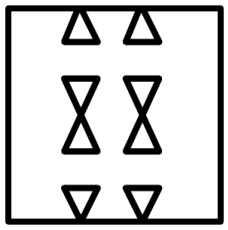
(c) 24

(d) 20

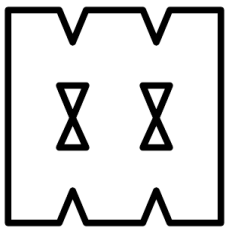
Q33. A paper is folded and cut as shown in the following figures. How will it appear when unfolded?



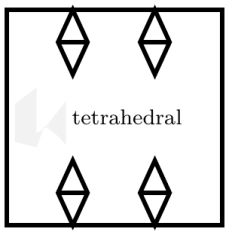
(a)



(b)

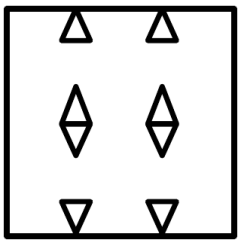


(c)



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(d)



Q34. The way 'Dog' is related to 'Puppy', in the same way 'Sheep' is related to '_____'.

(a) Lamb
(b) Kid
(c) Calf
(d) Cub

Q35. 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 mobile phones are video games.

All video games are remote control.

Conclusions:

I. Some mobile phones are remote control.

II. Some remote controls are mobile phones.

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

Q36. Select the option word that is related to the third word in the same way as the second word is related to the first word.

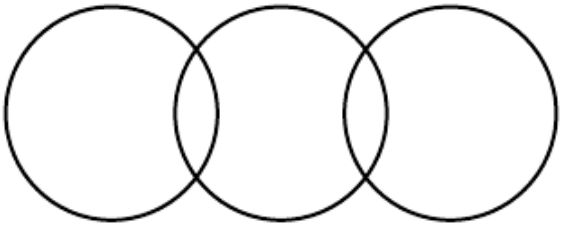
Watt : Power :: Volt : ____.

(a) Current
(b) Potential
(c) Strength
(d) Ampere

Q37. Select the Venn diagram that best illustrates the relationship between the following classes:

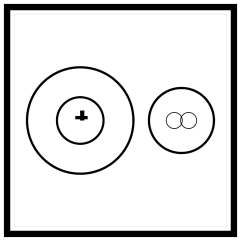
Months, Calendar, Days

(a)

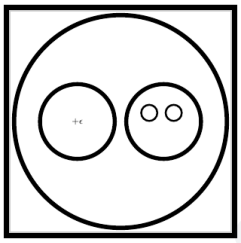


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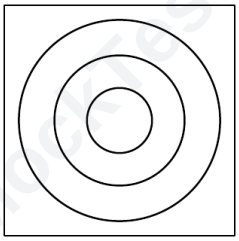
(b)



(c)



(d)



Q38. In a certain code language if HIMSELF is written as FKKUCND, then how will OUTDOOR be written in the same code language?

(a) PWSDNOR
(b) MWRFMQP
(c) MVTGORP
(d) NWQFLQO

Q39. Select the correct alternative to indicate the sequential order of the following rivers of India. (North to South)

1. Kaveri
2. Narmada
3. Godavari
4. Ganges
5. Krishna

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

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

36 ÷ 2 – 159 + 78 × 18 = 135

(a) 8 and 2; × and ÷
(b) 5 and 8; + and -
(c) 8 and 7; × and ÷
(d) 6 and 8; + and -

Q41. Which number will replace the question mark (?) in the following number series?

54, 68, 78, 84, ?

(a) 86

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(b) 88
(c) 84
(d) 90

Q42. Which letter cluster will replace the question mark (?) in the following letter series?

RUY, DGK, PSW, ?

(a) ADG
(b) ADH
(c) BEI
(d) BEH

Q43. Select the option in which the numbers are related in the same way, as the numbers of the following set.

98 : 81 : 72

(a) 76 : 63 : 54
(b) 68 : 56 : 46
(c) 72 : 63 : 55
(d) 68 : 54 : 44

Q44. If in a coding system, MUSICAL is coded as 109 and RAISING is coded as 110, then how will FOURTH be coded in the same coding system?

(a) 72
(b) 74
(c) 70
(d) 76

Q45. 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.

RAILCAR : NEEPYEN :: ICESHOW : _____.

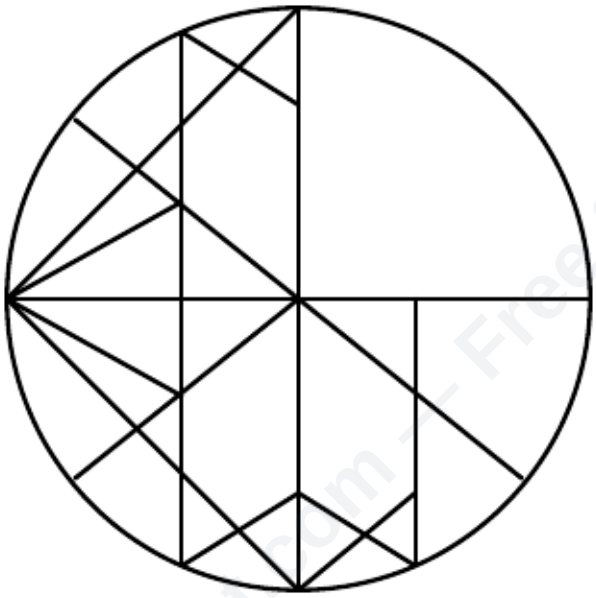
(a) MZJOMKU
(b) MYIOLKT
(c) EGAWDSS
(d) NZJPMLU

Q46. If in a coding system SHELTER is coded as 6295793 and FISHERY is coded as 8162934, then how will FILTHY be coded in the same coding system?

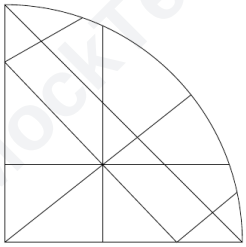
(a) 815724
(b) 812457
(c) 157842
(d) 581724

Q47. Identify the option figure that completes the following pattern.

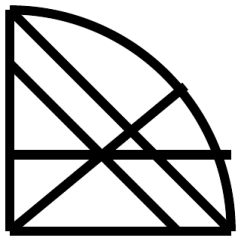
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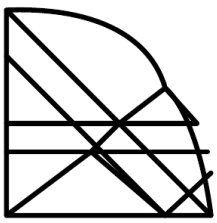
(a)



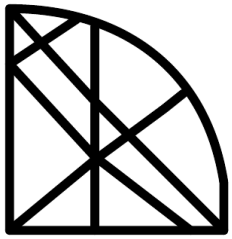
(b)



(c)



(d)

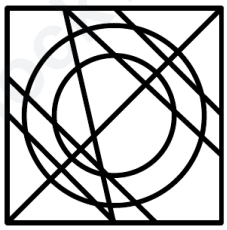


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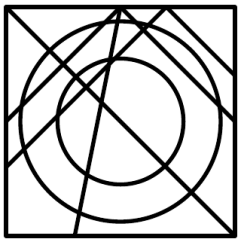
Q48. Identify the option in which following figure is embedded (rotation is NOT applicable):



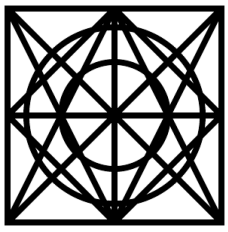
(a)



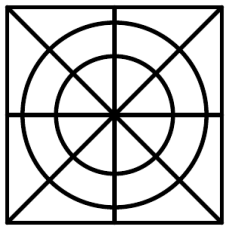
(b)



(c)



(d)



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Q49. In a certain code language if CONDENSE is written as OCDNNEES, then how will FACILITY be written in the same code language?

(a) AFYTICIL
(b) YTILICAF
(c) AFICILYT
(d) ICAFYTIL

Q50. 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 heads are tails.

All tails are bones.

Conclusions:

I. All bones are heads.

II. All heads are bones.

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

NUMERICAL APTITUDE

Q51. What is the average of the sixty terms given below?

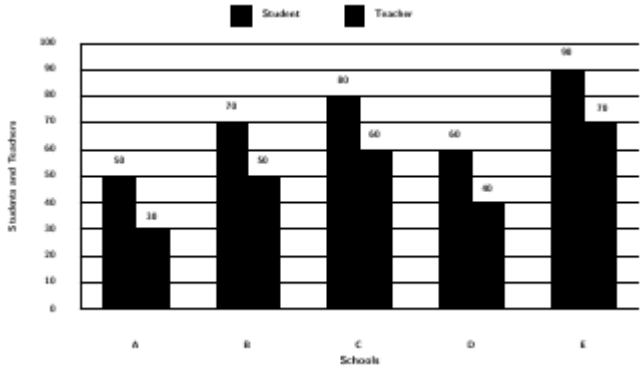
$\cos^2 x, \cos^2 2x, \cos^2 3x, ___, \cos^2 30x, \sin^2 x, \sin^2 2x, \sin^2 3x, ___, \sin^2 30x$.

(a) $\cos^2 x$
(b) 0.5
(c) 1
(d) $\cos^2 x \sin^2 x$

Q52. A wooden piece in the shape of a cuboid is divided into five equal parts by cutting it with four cuts perpendicular to its length, and it turns out that each piece is a cube of volume 27 cm^3. What is the total surface area (in cm^2) of the cuboid?

(a) 150
(b) 174
(c) 216
(d) 198

Q53. The number of teachers and students in five schools A, B, C, D and E in a city has been depicted through the given bar graph, where the number of students has been presented as multiples of ten. Study the bar graph and answer the question that follows.



What is the proportion of the student to teacher ratios across the five schools A, D, B, C, and E?

(a) 756 : 840 : 900 : 945 : 980

(b) 350 : 275 : 287 : 300 : 320
(c) 350 : 315 : 294 : 280 : 270
(d) 720 : 800 : 926 : 935 : 975

Q54. The difference between a positive number and its reciprocal increases by a factor of 175/144 when the number is made to increase by 20%. What is the number?
(a) 7.5
(b) 6
(c) 2.5
(d) 5

Q55. The simple interest earned on a sum is 1/25 of the sum, where the number of years of investment is equal to the rate percentage. For how many years was the sum invested?
(a) 2
(b) 5
(c) 3
(d) 4

Q56. Four persons, P, Q, R, S were engaged for doing a task, with the condition that P; Q; R; S work, respectively, on (Mondays, Thursdays); (Tuesdays. Fridays); (Wednesdays, Saturdays); (Sundays). The task was began on a Monday, and got completed on the 15^(th) day, which was also a Monday. If the efficiencies of P, Q, R, S in respect of doing this task were in the proportion 1 : 2 : 3 : 4, then in how many days could R complete the task, working alone without break?
(a) 13
(b) 10
(c) 11
(d) 12

Q57. How many numbers between 500 and 900, both inclusive, are exactly divisible by all the numbers, 12, 15, 20 and 30?
(a) 4
(b) 5
(c) 7
(d) 6

Q58. If 24 men can do a work in 15 days by working 12 hours daily, then in how many days will 36 men be able to do double the quantum of work, by working 10 hours daily?
(a) 30
(b) 32
(c) 24
(d) 12

Q59. The material of a sphere of radius r is melted and recast into a hollow cylindrical shell of thickness a and outer radius b. What is its length assuming that no material is lost in recasting?
(a) $(4r^3)/(3a(2a - b))$
(b) $(4r^3)/(3a(b + a)(b - a))$
(c) $(4r^3)/(3a(b - a))$
(d) $(4r^3)/(3a(2b - a))$

Q60. A lady walks to her office every day from home and maintains a fixed time for the same. On one day she decreases her speed by 25%. By what fraction of her usual time will she be late on that day?
(a) 2/3
(b) 1/4
(c) 1/3
(d) 1/6

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Q61. Two similar pieces of an item were purchased by paying the same amount for each, and they were sold, respectively, for a profit of 25% and a loss of 20%. What was his profit percentage?

(a) 2
(b) 4.5
(c) 2.5
(d) 5

Q62. If a/b = b/c = c/d, then a/d in terms of b and c is equal to:

(a) $(b/c)^3$
(b) $(b/c)^2$
(c) (b/c)^(1.5)
(d) (b/c)^(0.5)

Q63. In what ratio should two varieties of tea at Rs. 300 and Rs. 400 per kg, respectively, be mixed so that the mixture is worth Rs. 320 per kg?

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

Q64. Simplify $(10^2$ of $(1/5)^3 \div 1/4 \times 4$ - 2/5 of 15)/(4/5(5 ÷ 5 of 12 + 1/6))

(a) • 65/73
(b) 34
(c) • 147/73
(d) • 78/73

Q65. If a person sells 80% of the number of toys for an amount with which he purchased all the toys, then what is his profit percentage?

(a) 20
(b) 22.5
(c) 25
(d) 40

Q66. X, Y, Z enter into a partnership venture with a capital of Rs. 1,20,000, in which the contribution of Y and Z are, respectively, 40% more and Rs. 1,000 more than than of X. The profit earned is 20% of the capital. Out of this profit, 10% goes towards some incidental expenses. What is the share (in Rs.) of X out of it?

(a) 7,500
(b) 4,800
(c) 7,000
(d) 6,300

Q67. The line graph that can replace a histogram is called a/an:

(a) frequency polygon
(b) ogive
(c) cumulative frequency less than type graph
(d) cumulative frequency more than type graph

Q68. A certain sum was invested for three years in a scheme in which the interest gets compounded annually. During the first two years, the scheme provided growths at the rates of 80% and 60%, respectively, but during the third year there was a decline by 40%. What was the overall interest rate for three years?

(a) 24%
(b) 20%
(c) 22.5%
(d) 48.6%

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Q69. Two circles touch each other externally; the distance between their centres is 12 cm and the sum of their areas (in cm^2) is 74 π. What is the radius of the smaller circle?

(a) 2.8
(b) 4.5
(c) 5
(d) 3

Q70. The average daily expenditure of a person during the month of February 2020 was Rs. 120. The average expenditure for the first 15 days was Rs. 142, and for the last 15 days was Rs. 96. What was his expenditure (in Rs.) on 15^(th) February?

(a) 90
(b) 98
(c) 95
(d) 88

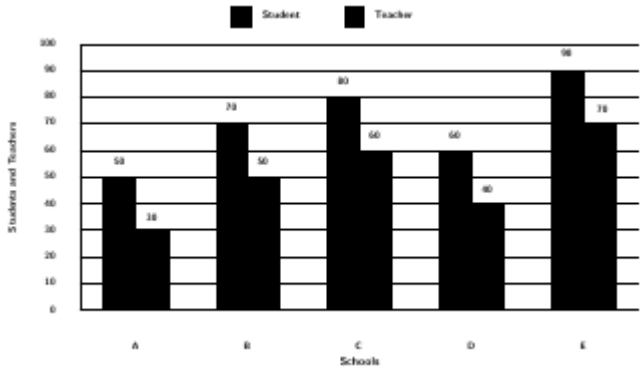
Q71. An article was subject to three successive discounts, whereby a customer had to pay Rs. 2,366.8 less than the marked price of Rs. 12,500. If the rates of the first two discounts were, respectively, 12% and 6%, then what was the rate percentage of the third discount?

(a) 3.6
(b) 2
(c) 2.5
(d) 3

Q72. The value of (120 ÷ 5/4) - {(105 - 5 × 3 + 2 of 17 ÷ 1/6) ÷ (5 + 1/4)} is:

(a) 46
(b) 50
(c) 45
(d) 40

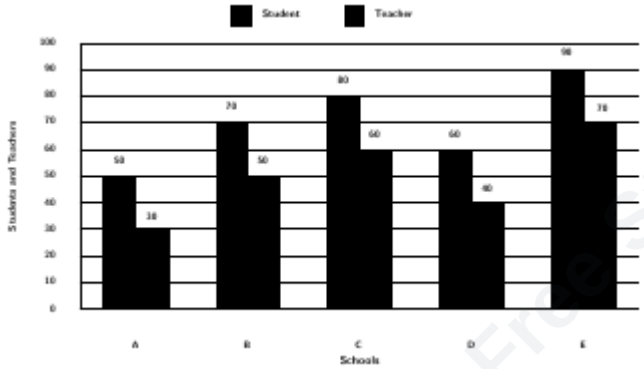
Q73. The number of teachers and students in five schools A, B, C, D and E in a city has been depicted through the given bar graph, where the number of students has been presented as multiples of ten. Study the bar graph and answer the question that follows.



If 20% of the students of E get transferred such that they get equally distributed among A and C, and 10% of their teachers are transferred to A, then which among the following schools will have its student to teacher ratio closest to that of D?

(a) A
(b) C
(c) B
(d) E

Q74. The number of teachers and students in five schools A, B, C, D, and E in a city has been depicted through the given bar graph, where the number of students has been presented as multiples of ten. Study the bar graph and answer the question that follows.



Which school among the following has the highest teacher-to-student ratio?

(a) B
(b) E
(c) C
(d) D

Q75. Two clocks were synchronised at 11 a.m. on a Sunday. Thereafter, every day they were, respectively, found to gain and lose one minute per day. What time, expressed in hours and minutes, will the second clock show when the first clock shows 10 p.m. on the next Friday?

(a) 9 hours 48 3/11 minutes p.m.
(b) 9 hours 48 7/11 minutes p.m.
(c) 9 hours 49 1/11 minutes p.m.
(d) 9 hours 49 9/11 minutes p.m.

GENERAL AWARENESS

Q76. What is the unit to measure the wavelength of light?

(a) Faraday
(b) Candela
(c) Dyne
(d) Angstrom

Q77. Who invented the capillary feed fountainpen?

(a) David Hughes
(b) Ian Donald
(c) LE Waterman
(d) Alfred Nobel

Q78. Which of the following is the world's largest delta?

(a) Irrawaddy Delta
(b) Rhine-Meuse Delta
(c) Ganges-Brahmaputra Delta
(d) Amazon Delta

Q79. Who wrote the book 'Kundalini: The Mother of the Universe', which Includes an English translation of 'Lalita Sahasranama'?

(a) Rishi Singh Gherwal
(b) Rabindranath Tagore
(c) Vikram Seth
(d) Dr. S Radha Krishnan

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Q80. Which part of the Constitution of India deals with the relation between the Union and the States?

(a) Part VIII
(b) Part XI
(c) Part VII
(d) Part IX

Q81. The Planning Commission was established by an executive decision of Government of India in _____.

(a) 1955
(b) 1945
(c) 1960
(d) 1950

Q82. Who is the author of the book 'Beyond the Lines'?

(a) Vishnu Sharma
(b) Omar Khayyam
(c) Kuldip Nayar
(d) VV Giri

Q83. Filmmaker Utpal Borpujari's documentary, 'Songs of the _____' is based on the folk songs and culture of the Naga tribes.

(a) Blue River
(b) Blue Sky
(c) Blue Earth
(d) Blue Hills

Q84. In the context of Economics, what does P stand for in EPF?

(a) Planning
(b) Profit
(c) Promotion
(d) Provident

Q85. The La Liga Trophy is associated with which sport?

(a) Tennis
(b) Football
(c) Weightlifting
(d) Cricket

Q86. Rauf and Hikat are the dance forms of _____.

(a) Odisha
(b) Jammu and Kashmir
(c) Manipur
(d) Sikkim

Q87. Which dynasty ruled India between 320 AD and 550 AD?

(a) Mauryan Dynasty
(b) Hoysala Dynasty
(c) Magadha Dynasty
(d) Gupta Dynasty

Q88. 'Pandavani' is the most celebrated folklore of _____.

(a) Maharashtra
(b) Chhattisgarh
(c) Rajasthan
(d) Karnataka

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Q89. The 'Procedure for Amendment of the Constitution' in the Indian Constitution is borrowed from which of the following country's constitutions?

(a) Russia
(b) Germany
(c) South Africa
(d) Canada

Q90. When was the first battle of Panipat fought?

(a) 1479
(b) 1326
(c) 1526
(d) 1632

Q91. Which instrument is used to measure very high temperature?

(a) Fathometer
(b) Manometer
(c) Salinometer
(d) Pyrometer

Q92. Which of the following is a Kharif crop in north and Rabi crop in south India?

(a) Ragi
(b) Sesamum
(c) Sunflower
(d) Sugarcane

Q93. Which of the following Vedas dealt with music?

(a) Sama Veda
(b) Rig Veda
(c) Yajur Veda
(d) Atharva Veda

Q94. Vitamin K deficiency in our body leads to:

(a) delayed clotting of blood
(b) interference with reproduction
(c) night-blindness
(d) scurvy

Q95. Infant Mortality Rate (or IMR) indicates the number of children that die before the age of _____ as a proportion of 1000 live children born in that particular year.

(a) 6 months
(b) 3 months
(c) 1 year
(d) 3 years

Q96. 'Kolkali' is one of the traditional folk dances of which state?

(a) Andhra Pradesh
(b) Nagaland
(c) Kerala
(d) Arunachal Pradesh

Q97. Who discovered the smallpox vaccine?

(a) Jonas Salk
(b) Louis Pasteur
(c) Edward Jenner
(d) Leon Calmette

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Q98. Anju Bobby George is associated with which of the following sports?

(a) Boxing
(b) Athletics
(c) Shooting
(d) Hockey

Q99. What does Article 21 of the Indian Constitution deal with?

(a) Right to property
(b) Fundamental duties
(c) Right to life
(d) National emergency

Q100. Which soils are widespread in the northern plains and the river valleys and cover about 40% of the total area of India?

(a) Black soil
(b) Laterite soil
(c) Red soil
(d) Alluvial soil

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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