

FULLY SOLVED QUESTION PAPER

Deputy Collector (Preliminary)

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(Total marks 120)

PART-A

(In this part there are 40 questions. Each question carries 1 mark.)

- If in a certain code EXIST is coded as ESIXT, how is PLUTO coded in the same language?
(a) OLUTP (b) PTUOL (c) PTULO (d) None of these
- In a certain code SISTER is 535301, UNCLE as 84670, and BOY as 129, how is SON coded?
(a) 524 (b) 846 (c) 335 (d) None of these
- How many 9's are there preceded by 3 in the given sequence?
896739378394563969
(a) 1 (b) 2 (c) 3 (d) 4
- Which of the missing numbers will complete the series?
7, 10, 9, 12, 11, —, —.
(a) 10, 13 (b) 13, 14 (c) 14, 13 (d) None of these
- If P denotes \div , Q denotes \times , R denotes $+$, and S denotes $-$,
 $18 Q 12 P 4 R 5 S 6 = ?$
(a) 52 (b) 57 (c) 95 (d) None of these
- Three numbers are in the ratio 4 : 5 : 6 and the average is 25. The largest number is
(a) 42 (b) 30 (c) 36 (d) None of these
- Find out the missing number from the alternatives in the following number series 118? 27964:
(a) 4 (b) 6 (c) 9 (d) 16
- The number of primes between 59 and 101 is —.
(a) 10 (b) 9 (c) 8 (d) 7
- Which of the following is a rational one?
(a) $\sqrt[3]{3} \sqrt{2}$ (b) $4\sqrt{5000} \cdot \sqrt{98}$ (c) $\sqrt{25} \sqrt[3]{81}$ (d) None of these
- What is the minimum number of cars that could move in the following format? Two cars in front of a car, two cars behind a car and a car between two cars:
(a) 3 (b) 4 (c) 5 (d) 6
- Which one is odd from the others?
(a) Pilot (b) Driver (c) Sing (d) Teacher
- Which is the different one in the following items?
(a) Camel (b) Elephant (c) Dog (d) Cow
- Complete the following series with a letter from the given alternatives
BY CX DWE —.
(a) V (b) Z (c) F (d) E
- Substitute the underlined words in 14 and 15 with suitable phrases from given alternatives:
The Prime Minister is to visit Clinton.
(a) Call at (b) Call on (c) Call out (d) Call off
- The poor villagers built the cowshed thrown off in the wind.

- (a) Put on (b) Put off (c) Put up (d) Put aside
16. As a bird is to feather, so is a cat to —.
- (a) Fur (b) Hairs (c) Claws (d) Paw
17. As revolution is to change, so treaty is to —.
- (a) Disease : Medicine (b) Food : Energy
(c) Famous : Notorious (d) Treaty : —
18. If B says that “his mother is the only daughter of A’s mother” how is A related to B?
- (a) Son (b) Father (c) Brother (d) Uncle
19. A and B are brothers. C and D are sisters. A’s son is D’s brother. How is B related to D?
- (a) Father (b) Uncle (c) Brother (d) Grandfather
20. Cyclone is related to anticyclone in the same as flood is related to — ?
- (a) Havoc (b) River (c) Drought (d) Devastation
21. Starvation is related to nutrition. In the same way exhaustion is related to —?
- (a) Recoil (b) Forget (c) Recollect (d) Encumber
(e) None of these
22. Pointing out to a lady a girl said “she is the daughter in law of my father’s son”. How is the lady related to the girl?
- (a) Sister-in-law
(b) Aunt
(c) Mother
(d) Cousin
- (In Q. No’s. 23 and 24, 3 interrelated words are given. Choose a word from the given alternatives that belongs to the same group)*
23. Pituitary, Thyroid, Pancreas-.
- (a) Adrenal (b) Heart (c) Liver (d) Kidney
24. Shark, Cod, Eel-.
- (a) Whale (b) Fish (c) Dolphin (d) Oyster
25. A started from a point and went 4 kms north and turned left and moved 2 kms. west. Then he turned left and moved 4 kms. How far is he away from his starting point?
- (a) 4kms (b) 2 kms (c) 6 kms (d) None of these
26. Achu remembers his father’s birthday is between 17th and 20th September. But his sister remembers that their father’s birthday is between 18th and 22nd September. On which day is their father’s birthday?
- (a) September 18 (b) September 19
(c) September 20 (d) September 21
27. How many days are there from January 20, 2000 to April 14, 2000 including both days?
- (a) 84 (b) 85 (c) 86 (d) 87
28. Instruments can be shielded from outside magnetic effect by surrounding them with
- (a) Glass shield- (b) Brass shield
(c) Rubber shield (d) Iron shield
29. If bat is racket, racket is football, football is shuttle, shuttle is ludo, ludo is cafram, what is cricket played with
- (a) Racket (b) Football (c) Bat (d) Shuttle
30. If banana is apple, apple is grapes, grapes is mango, mango is nut, nut is guava, which of the following is a yellow fruit?
- (a) Mango (b) Guava (c) Apple (d) Nuts
31. The sum of the digits of a two digit number is 10. If the places of the digits are exchanged, the new number is greater than the original number by 18, what is the original number?
- (a) 73 (b) 64 (c) 37 (d) None of these
32. Present age of Krishna is $\frac{1}{4}$ th that of her father’s present age. After 4 years the sum of their ages will be 68. What is the present age of Krishna?
- (a) 19 (b) 15 (c) 16 (d) 12
33. Who was the Hindu king shown as playing veena in ancient coins?
- (a) Vikramaditya (b) Ashoka (c) Samudragupta (d) Shivaji
34. Who among the following is credited with the invention of algebra?
- (a) Aryabhata (b) Bhaskara (c) Medhatithi (d) None of these
35. First general election in free India took place in-.
- (a) 1950 (b) 1952 (c) 1951 (d) 1953

36. The Constitution of India came into force in
 (a) 1947 (b) 1948 (c) 1949 (d) 1950
37. The collector arrived at the conference hall for a meeting at 10 mnts to 4.30 p.m. He was early by 20 mnts than the Deputy Collector, who was late by 30 mnts. At what time was the meeting scheduled.
 (a) 4.50p.m. (b) 4.10p.m. (c) 4.20p.m. (d) 4.40p.m.
38. The cost price of 20 articles is the same as selling price of 15 articles. The profit percentage in the transaction is
 (a) 20% (b) 25% (c) 33 j% (d) 50%
39. If Doctor is related to Patient, Teacher is related-.
 (a) Respect (b) Salary (c) Job (d) Pupil
40. Which of the following is a star?
 (a) Earth (b) Venus (c) Mars (d) None of these

PART B

(Questions 41 to 80 carries 1 mark each).

41. Choose the word opposite in meaning to the word "Analysis". .
 (a) Anarchy (b) Synthesis (c) Separation (d) Emphasis
 (e) None of these
- 42: Which of the following means the same as "Remember"?
 (a) Recoil (b) Forget (c) Recollect (d) Encumber (e)None of these
43. Pick out the word or phrase nearest in meaning to "Burglary":
 (a) Unlawful entry (b) Crime committed at night
 (c) Mugging (d) Trespass
 (e) None of these
44. In the list given below choose the word that includes all the others:
 (a) Desk (b) Chair (c) Table (d) Furniture
 (e) Cupboard
45. Which of the following words means "one who never takes alcoholic drinks"?
 (a) Teetotalter (b) Vegan (c) Addict (d) Totalitarian
 (e) None of these
46. Point out the word which is misspelt
 (a) Beginning (b) Hygiene (c) Vacuum (d) Pronunciation
 (e) None of these
47. Choose the word spelt correctly:
 (a) Cemetery (b) Vomitting (c) Hypocrate (d) Casualty
 (e) None of these
48. The word "Low" expresses the cry of
 (a) Crows (b) Dogs (c) Sheep (d) Cows
 (e) None of these

(Questions 49 and 50. Express by a single word the idea contained in the italicised part.)

49. He is *liked by the people*.
50. She suffers from *the habit of walking about in her sleep*.
51. Choose the correct answer from the alternatives given:

"Oxygen" is —.

- (a)a form of oxygen (b)used in degrees of Oxford University.
 (c)the plural of OX (d)the plural of cow
 (e)None of these
52. The past participle of "lie" is —.
 (a) lane (b) lain (c) Lay (d) laid (e) None of these

(Questions 53 and 54. Fill in the blanks using suitable prepositions)

53. The cat is hiding — us — the table.
54. Come — 10 — Friday morning.

(Questions 55 and 56. Fill in the blanks with appropriate article)

55. We want — help of — few volunteers.
56. This is — European firm; it was established only — year ago.

(Questions 57 and 58. Insert “some” or “any” as required).

57. I want — new potatoes; have you —?
58. Don’t make — noise; he wants to get — sleep.

(Questions 59 and 60. Put either “fairly” or “rather” in the blank spaces).

59. I’m afraid I’ve written it — quickly, but I think you’ll find it — correct.
60. I’ve got a — good memory for names, but I’m — bad on dates.

(Questions 61-65. Rewrite the following sentences correctly).

61. We could scarcely hear what he said, couldn’t we?
62. I and he are cousin brothers.
63. I would do it if I was you.
64. Many a men run after wealth.
65. No sooner had I entered the room when I saw the cobra.

(Questions 66-74. Rewrite as directed).

66. Do you did what with the money you gave I? (Arrange the words properly to make a question)
67. A new company has taken the business over. (Turn into the passive voice).
68. To be wise after the event is perfectly easy. (Rewrite using the introductory word “It”).
69. *Hamlet* is the most famous play of Shakespeare. (Change into the positive degree).
70. He had many disciples. The greatest of them was Aristotle. (Combine into a simple sentence).
71. Here is the magazine. You were looking for it. (Combine the sentences to make a complex sentence.)
72. He is too weak to walk. (Remove “too”).
73. He (write) a novel for the last two years, but he (not finish) it yet. (Rewrite using the correct tense form of the verbs given in brackets).
74. Sheila angrily asked: “Mother, where is my purse?” (Change into indirect speech).

(Read the following passage carefully and answer the comprehension questions given below. Choose the correct answers from the alternatives given).

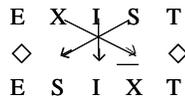
Helping others physically, by removing their physical needs, is indeed a good thing, but help is more substantial according as it is more far reaching because the need is greater. If a man’s wants can be removed for an hour; it is helping him indeed; if his wants can be removed for a year, it will be more help to him; but if his wants can be removed for ever, it is surely the greatest help that can be given to him. It is only with the knowledge of the spirit that the faculty of want is annihilated for ever; so helping a man spiritually is the best help that can be extended to him. He who gives spiritual knowledge is the greatest benefactor of mankind. A spiritually strong and sound man can be powerful in every other respect, if he so wishes. Until there is spiritual strength in man even physical needs cannot be well satisfied. Next to spiritual comes intellectual help. The gift of knowledge is a far higher gift than that of food and clothes; it is even higher than giving life to a man, because the real life of man consists of knowledge. Ignorance is death, knowledge is life. Next comes, of course, physical help. Therefore we must always strive not to commit the mistake of thinking that physical help is the only kind of help that can be given. It is the least important, because it can never bring permanent satisfaction. Thus help which tends to make us strong spiritually is of the highest type, next comes intellectual help, and after that physical help.

75. The central idea of the passage is
(a)The need for social change
(b)The importance of spiritual strength.
(c)That we can never put an end to wants
(d)The power of knowledge

87. Name the author of each of the following books
 (a) *My Presidential Years* (b) *Satanic Verses*
 (c) *Jungle Book* (d) *The Golden Gate*
 (e) *Lajja*
88. (a) Name the nuclear submarine which recently sank in the Barents sea.
 (b) Name the planet which was recently hit by an unusually big meteor.
 (c) Name a rare and important mineral found along the beach of Kerala and Tamil Nadu.
 (d) Name the hot water ocean current which reaches the Indian coast once in every seven to eight years and believed to cause wide spread rain fall.
 (e) Name the element isolated from the waste of nuclear reactors.

ANSWERS : FULLY SOLVED PSC QUESTION PAPER

1. (C)



In the same way PLUTO is coded as PTULO

2. (a) SON ♦ 524

3. (c) 8 9 6 7 3 9 3 7 8 3 9 4 5 6 3 9 6 9

There are 3 such 9s

4. (c)
$$\begin{array}{ccccccc} & +2 & & +2 & & +2 & \\ | & & | & & | & & | \\ 7 & 10 & \diamond & 12 & \diamond & 14 & \diamond \\ & \longleftarrow +2 & & \longleftarrow +2 & & & \end{array}$$

5. (d) 18 Q 12P 4R 5S 6

$$* 18 \times 12 \div 4 + 5 - 6 = 18 \times 3 + 5 - 6 = 53$$

6. (b) Let the numbers be $4x$, $5x$ and $6x$

$$\text{Then } \frac{4x+5x+6x}{3} = 25$$

$$* x = 5$$

Therefore the largest number

$$= 6 \times 5 = 30$$

7. (a) The given number follows the rule

$$1^3, 1^2, 2^3, 2^2, 3^3, 3^2, 4^3, \dots$$

Therefore the correct answer is $2^2 = 4$.

8. (c) The prime numbers between 59 and 101 are 61, 67, 71, 73, 79, 83, 89 and 97. Thus there are 8 prime numbers between 59 and 101.

9. (d) All the given numbers are irrational numbers.

10. (a) 3

11. (c) Sing

12. (c) Dog. Except dog all others are herbivorous.

13. (a) V 14. (b) Call on

15. (d) Put on 16. (a) Fur

17. (d) There is no answer for this question. The answer to this question is Treaty : **Peace**.

18. (d) A's mother's only daughter means A's sister. A's sister is the mother of B. Therefore A is the uncle of B.

19. (b) Uncle 20. (c) Drought

21. (a) Energy 22. (b) Aunt

23. (a) Adrenal (All are endocrine glands)

24. (c) Dolphin

25. (b) The movement of A is as shown below.

- Finally he is at a distance of 2 km from his starting point.
26. (b) September 19th.
27. (c) Since 2000 is a leap year, therefore February has 29 days.
Total number of days
= 12+29+31+14 = 86
28. (a) Glass shield 29. (a) Racket
30. (c) Apple 31. None of these. The correct answer is 46.
32. (d) Let present age of Krishna be x years.
Father's age = $4x$
After four years $x + 4x + 4 + 4 = 68$
* $x = 12$
Therefore present age of Krishna
= 12 years.
33. (c) Samudragupta. He was called Indian Napoleon.
34. (a) Aryabhata
35. (b) 1952. First general elections was started in 1951 and process was completed in 1952.
36. (d) 1950 37. (b) 4.10 pm.
38. (c) Required profit

$$\frac{20}{15} \times \frac{15}{15} = 100 \frac{1}{3} \%$$

39. (d) Pupil
40. (d) None of these
41. (b) Synthesis 42. (c) Recollect
43. (d) Trespass 44. (d) Furniture
45. (a) Teetotaller
46. (d) Pronunciation
(Correct spelling - pronunciation)
47. (a) Cemetery 48. (d) Cows
49. Popular 50. Somnambulism
51. (e) None of these 52. (b) lain
53. The cat is hiding ~~from~~ us ~~under~~ the table.
54. Come at 10 ~~on~~ Friday morning.
55. We want ~~the~~ help of a few volunteers.
56. This is a European firm; it was established only ~~a~~ year ago.
57. I want ~~some~~ potatoes; have you ~~any~~?
58. Don't make ~~any~~ noise; he want to get ~~some~~ sleep.
59. I'm afraid I've written it ~~rather~~ quickly, but I think you will find it fairly correct.
60. I've got a ~~fairly~~ good memory of names, but I'm ~~rather~~ bad on dates.
61. We scarcely hear what he said, could we?
62. He and I are cousins.
63. I would do it if I were you.
64. Many a man runs after wealth.
65. No sooner had I entered the room than I saw the cobra.
66. What did you do with the money I gave you?
67. The business has been taken over by a new company.
68. It is perfectly easy to be wise after the event.
69. No other play of Shakespeare is as famous as *Hamlet*.
70. Aristotle was the greatest of all his disciples.
71. Here is the magazine which you were looking for.
72. He is so weak that he cannot walk.
73. He ~~has been writing~~ a novel for the last two years, but he ~~has not finished~~ it yet.
74. Sheila angrily asked her mother where her purse was.
75. (b) The importance of spiritual strength.
76. (d) Help which makes us strong physically.
77. (a) Spiritual help is supreme in the world.
78. (c) A thinker and philosopher.
79. (a) Annihilate (b) Benefactor
80. True.

81. (a) At present there are 7 Keralites in Central cabinet.
 (b) C.S. Sujatha from Mavelikara and P. Sathidevi from Vadakara.
 (c) Professor Ennackel Chandy George Sudarsan – tachyons
 (d) Idukki – Painav is the headquarters of Idukki district.
 ▶ Other districts having headquarters having different name are Wayanad – Kalpetta and Ernakulam – Kakkannad.
 (e) Arundhati Roy – She is the first Keralite to win the Booker Prize for her first novel *God of Small Things* in 1997.
82. (a) M.S. Swaminathan is called the Father of Indian Green revolution.
 ▶ Norman Borlaug, an American scientist had helped Indian scientists for the implementation of Green revolution in sixties.
 ▶ C. Subhramaniam who was the agriculture minister at that time is of implementation the main architect of Green Revolution in India.
 (b) Dr. Varghese Kurian
 ▶ Operation flood is related to the increase in milk production in India. Dr. Varghese Kurian is the brain behind the growth of AMUL (Amul Milk Union Limited) in Co-operative sector in Gujarat.
 ▶ India is the leading producer of milk in the world.
 (c) Karnam Malleswari from the State of Andhra Pradesh. She had won bronze medal in 69 kg category in weightlifting. She is the first woman medal winner of India in Olympics.
 (d) Mahendra Chaudhary of Fiji is the first ethnic Indian Prime Minister thrown out of office.
 ▶ George Speight was the leader of the civilian coup.
 (e) Oxygen (46.6%) is the most abundant element in the earth and in the universe is Nitrogen.
83. Indian Nobel Prize winners are Rabindranath Tagore – Literature -1913
 C.V. Raman – Physics – 1930
 Hargobind Khurana – Medicine – 1968
 Mother Theresa – Peace – 1979
 Subhramanyam Chandrasekhar –Physics – 1983
 Amartya Sen – Economics – 1998
84. (a) January 30 – Martyrs Day. This is in memory of Mahatma Gandhi who was shot dead on January 30, 1948.
 (b) June 5 – World Environment Day.
 (c) July 11 – World Population Day.
 ▶ World population crossed 5 billion on July 11, 1987.
 (d) September 5 – Teachers Day. This is the birth anniversary of philosopher President of India Sarvepalli Radhakrishnan.
 (e) December 1 – World Aids Day.
85. (a) AIDS – Acquired Immune Deficiency Syndrome
 (b) ANERT – Agency for Non Conventional Energy and Rural Technology.
 (c) ASEAN – Association of South East Asian Nations.
 (d) CTBT – Comprehensive Test Ban Treaty.
 (e) GATT – General Agreement on Tariffs and Trade.
86. (a) According to the 2001 census, state with the lowest literacy rate is Bihar (47.53%) and state with the highest literacy rate is Kerala (90.92%).
 (b) Rajasthan is the largest state.
 Goa is the smallest state.
 (c) West Bengal is the most densely populated state followed by Kerala.
 ▶ Arunachal Pradesh is the least densely populated state.
 (d) Bhakra Nangal across river Sutlej is the largest dam. Hirakud across river Mahanadi is the longest dam.
 (e) Bharat Ratna is the highest civilian award and Param Vir Chakra is the highest gallantary award.
87. (a) *My Presidential Years* – R. Venkataraman
 (b) *Satanic Verses* – Salman Rushdie
 (c) *Jungle Book* – Rudyard Kipling
 (d) *The Golden Gate* – Vikram Seth
 (e) *Lajja* – Taslima Nasreen
88. (a) Kursk of Russia (b) Jupiter
 (c) Monazite (d) El Nino
 (e) Plutonium