Paper Code No: M68

Question Booklet No. 100202

ENTRANCE EXAMINATION – 2021 - 22

SET – B

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New Delhi

Roll No. | M | 6 | 8 | 1 | 0 | 2 | 0 | ✳ | |

....
Signature of Invigilator

Time: 1 Hour 30 Minutes　　　　　　　　　　　　**Total Marks: 80**

Instructions to Candidates

1.　Do not write your name or put any other mark of identification anywhere in the OMR Response Sheet. IF ANY MARK OF IDENTIFICATIONS IS DISCOVERED ANYWHERE IN OMR RESPONSE SHEET, the OMR sheet will be cancelled, and will not be evaluated.

2.　**This Question Booklet contains the cover page and a total of 80 Multiple Choice Questions of 1 mark each.**

3.　Space for rough work has been provided at the beginning and end. Available space on each page may also be used for rough work.

4.　There is negative marking in Multiple Choice Questions. For each wrong answer, 0.25 marks will be deducted.

5.　USE/POSSESSION OF ELECTRONIC GADGETS LIKE MOBILE PHONE, iPhone, iPad, pager ETC. is strictly PROHIBITED.

6.　Candidate should check the serial order of questions at the beginning of the test. If any question is found missing in the serial order, it should be immediately brought to the notice of the Invigilator. No pages should be torn out from this question booklet.

7.　Answers must be marked in the OMR Response sheet which is provided separately. OMR Response sheet must be handed over to the invigilator before you leave the seat.

8.　The OMR Response sheet should not be folded or wrinkled. The folded or wrinkled OMR/Response Sheet will not be evaluated.

9.　Write your Roll Number in the appropriate space (above) and on the OMR Response Sheet. Any other details, if asked for, should be written only in the space provided.

10.　There are four options to each question marked A, B, C and D. Select one of the most appropriate options and fill up the corresponding oval/circle in the OMR Response Sheet provided to you. The correct procedure for filling up the OMR Response Sheet is mentioned below.

CORRECT METHOD
Ⓐ ● Ⓒ Ⓓ

WRONG METHODS
Ⓐ ⊠ Ⓒ Ⓓ　Ⓐ ⊘ Ⓒ Ⓓ　Ⓐ ◗ Ⓒ Ⓓ　Ⓐ ◉ Ⓒ Ⓓ　Ⓐ ● Ⓒ ◐　Ⓐ ● Ⓒ ●

Quantitative Aptitude

1. The rate of simple interest for which a sum of money becomes 5 times of itself in 8 years is :

   A. 60%   B. 65%

   C. 55%   D. 50%

2. A, B and C can do a piece of work in 30, 20 and 10 days respectively. A is assisted by B on one day and by C on the next day, alternately. How long would the work take to finish?

   A. $9\frac{3}{8}$ B. $4\frac{4}{8}$

   C. $8\frac{4}{18}$ D. $3\frac{9}{13}$

3. The marked price of a piano was ₹15,000. At the time of sale, there were successive discounts of 20%, 10% and 10% on it. The sale price was:

   A. ₹9720   B. ₹9750

   C. ₹9760   D. ₹9780

4. If X is a whole number, then $x^2 (x^2 -)$ is always divisible by:

   A. 24   B. 12-x

   C. 12   D. Multiple of 12

[3]

5. If $\frac{1}{8}$ of $\frac{2}{3}$ of $\frac{4}{5}$ of a number is 12, then 30 percent of the number will be:

A. 48

B. 64

C. 54

D. 42

6. The Maximum number of students among them 1001 pens and 910 pencils can be distributed in such a way that each student gets the same number of pens and same number of pencils is:

A. 91

B. 910

C. 1001

D. 1911

7. Among three numbers, the first is twice the second and thrice the third. If the average of the three numbers is 49.5, then the difference between the first and the third number is-

A. 39.5

B. 41.5

C. 54

D. 28

8. Two trains of equal length are running on parallel lines in the same direction at the rate of 46 Km/h and 36 Km/h. The faster train passes the slower train in 36 seconds. The length of each train is:

A. 50 m

B. 72 m

C. 80 m

D. 82 m

[4]

9. H.C.F. and L.C.M. of two numbers are 7 and 140, respectively. If the numbers are between 20 and 45, the sum of the numbers is:

   A.   70   B.   77

   C.   56   D.   63

10. The average age of a class of 65 boys was 14 years, the average age of 20 of them was 14 years, and that of another 15 was 12 years, Find the average age of the remaining boys.

   A.   16 years   B.   13 years

   C.   17 Years   D.   15 years

11. What would be the cost of building a fence around a square plot with area equal to 361 sq.ft., if the price per foot of building the fence is ₹62?

   A.   ₹4026   B.   ₹4712

   C.   ₹3948   D.   None of these

12. Simplify $\frac{3}{10} \div \frac{3}{7}$ of $\left(2\frac{3}{10} + 2\frac{3}{5}\right) + \frac{1}{5} \div 1\frac{2}{5} - \frac{2}{7}$

   A.   1   B.   2

   C.   0   D.   3

[5]

13. If 30% of A is added to 40% of B, the answer is 80% of B. What percentage of A is B?

    A.   70%   B.   75%

    C.   30%   D.   40%

14. If $p \times q = p + q + \dfrac{p}{q}$, then the value of 8×2 is?

    A.   6   B.   10

    C.   14   D.   16

15. When Alisha goes by car at 50 kmph, she reaches her office 5 minutes late. But when she takes her motorbike, she reaches 3 minutes early. If her office is 25 kms away, what is the approximate average speed at which she rides her motorbike?

    A.   58 kmph   B.   52 kmph

    C.   68 kmph   D.   62 kmph

REASONING

16. 9 : 25 :: 49 : ?

    A. 63
    B. 81
    C. 36
    D. 100

17. Yaws : Skin : : Thrush : ?

    A. Legs
    B. Eyes
    C. Belly
    D. Throat

18. Assertion (A): Learning is a lifelong process.

    Reason (R): Learning to be useful must be linked with life processes. Choose the

    correct Answer from the following code

    A. Both (A) and (R) are true and (R) is the correct explanation of (A).

    B. Both (A) and (R) are true, but (R) is not the correct explanation of (A).

    C. (A) is true, but (R) is false

    D. (A) is false, but (R) is true.

19. If the statement 'most of the students are obedient' is taken to be true, which one of the following pair of statements can be claimed to be true?

    I.   All obedient persons are students.

    II.   All students are obedient.

    III.   Some students are obedient.

    IV.   Some students are not disobedient.

    Codes:

    A.   I & II   B.   II & III

    C.   III & IV   D.   II & IV

20. $6 : 21 :: 3 : ?$

    A.   28   B.   18

    C.   61   D.   32

21. A man walks 1 km to East and then he turns to south and walks 5 km again he turns to east and walks 2 km. after this he turns to north and walk 9 km. Now, how far is he from his starting point?

    A.   5 km   B.   4 km

    C.   3 km   D.   7 km

22. Reluctant : Keen :: Remarkable : ?

    A.   Usual   B.   Restrained

    C.   Striking   D.   Evocative

23. If eye is called hand, hand is called mouth, mouth is called ear, ear is called nose and nose is called tongue, with which of the following would a person hear?

   A. Eye

   C. Nose

   B. Mouth

   D. Ear

24. Pointing to a lady, a man said, "The son of her only brother is the brother of my wife." How is the lady related to the man ?

   A. Mother's Sister

   C. Mother-in-law

   B. Grand Mother

   D. Sister of father-in-law

25. A is a son of C while C and Q are the sisters to one another. Z is the mother of Q. if P is the son of Z, which one of the following statements is correct.

   A. Q is the grandfather of A

   C. Z is the brother of C

   B. P is the cousin of A

   D. P is the maternal uncle of A

26. Ram's rank was wrongly printed as 12th from below instead of 13th. What will be his rank from top if the total number of students is 27?

   A. 13

   C. 15

   B. 14

   D. 16

27. Assertion (A): Sustainable development critical to well-being of human society.

Reason (R): Environmentally sound policies do not harm the environment or deplete the natural resources.

Choose the correct code:

A. Both (A) and (R) are correct and (R) is the correct explanation of (A).

B. Both (A) and (R) are correct, but (R) is not the correct explanation of (A).

C. (A) is true and (R) is true

D. (A) is false and (R) is true

28. In a certain code ADVENTURES is written us TDRESAUVEN. How is SURPRISING written in that code?

A. IUIPGSRSNR   B. IUINGSSRRP

C. IUIPGSSRNR   D. IRIPGSSNRR

29. Mohan was facing east. He walked 4 km forward and then after turning to his right walked 3 km. again he turned to his right and walked 4 km. after this he turned back. Which direction was he facing at that time?

A. East   B. West

C. North   D. South

30. The next term in the following series YEB, WFD, UHG, SKI, ? Will be

A. TLO   B. QLO

C. GOP   D. QOL

31. Choose the word which is closest in meaning to the given word, from among the options.

FEIGNED

   A.   Pretend   B.   Played

   C.   Developed   D.   Failed

32. Find out which part of the sentence has an error.

   How is it that neither your friend Mahesh/(A) nor his brother Ramesh/(B) have protested against this injustice?/(C) No error/(D).

33. All of us are devoted _____ one another.

   A.   To   B.   Of

   C.   For   D.   At

34. Choose the word opposite in meaning to the given word.

   RESTLESS

   A.   Nervous   B.   Worried

   C.   Calm   D.   Uneasy

35. Choose the alternative which best express the meaning of the idiom/phrase.

    Next to nothing

    A. Reject without consideration   B. To produce

    C. Without answer   D. Hardly anything

36. A person who pretend s to be what he is not is called an _____.

    A. imbiber   B. impresario

    C. imitator   D. imposter

37. Find out which part of the sentence has an error.

    I should do/(A) the same (B) if I were in your place/(C) . No error/(D). Find out which part of the sentence has an error.

38. The teacher said. "The Earth moves round the sun."

    A. The teacher told that the earth has moved round the sun.

    B. The teacher told that the earth moved round the sun.

    C. The teacher asked that the earth moves round the sun.

    D. The teacher said that the earth moves round the sun.

39. He agreed _____ my business proposal.

    A. To   B. At

    C. On   D. For

40. Someone not fit to be chosen.

    A.   Uneligible   B.   Ineligible

    C.   Non-eligible   D.   Imeligible

41. Select the synonym of the Bold word.

    A wise man puts past **RANCOUR** behind and moves ahead,

    A.   Dislike   B.   Hatred

    C.   Division   D.   Criticism

42. There are six sentences in below question, the position of S1 and S6 are fixed. You are required to choose one of the four alternatives which would be the most logical sequence of the sentence.

    S1. Egypt is located in the north east of Africa.

    P: the land should be productive.

    Q: It is on the coast of Mediterranean Sea.

    R: The important thing is not just the area.

    S: Its area is almost four times that of England.

    S6: Egypt is mostly desert for semi-desert.

    A.   PQSR   B.   QSRP

    C.   RPQS   D.   SRPQ

[13]

43. As the thieves ran out of the bank/(A) they got into the gateway car/(B) which was waiting its engine running/(C). No error/(D).

44. Choose the word which is closest in meaning to the given word, from among the options.

STALEMATE

   A.   Degeneration

   B.   Deadlock

   C.   Exhaustion

   D.   Settlement

45. Choose the word which is closest in meaning to the given word, from among the options.

INDOLENT

   A.   Cautious

   B.   Lazy

   C.   Unintelligent

   D.   Stubborn

46. Choose the alternative which best express the meaning of the idiom/phrase.

To call it a day

   A.   Put off work for another day

   B.   Decide to finish working

   C.   Give the day a name

   D.   The day was marvellous

47. Too many skyscrapers _____ the view along the beach.

   A. Reveal   B. Obstruct ✓

   C. Make   D. Clear

48. Find the correctly spelt word.

   A. Adulation   B. Adlation

   C. Aduletion   D. Adulation ✓

49. Select the synonym of the Bold word.

   He had a reputation of being a *PRUDENT* businessman.

   A. Skilful   B. Wealthy

   C. Careful ✗   D. Dishonest

50. Select the synonym of the Bold word.

   We saw a *SCINTILLATING* fireworks display-

   A. Fascinating ✓   B. Unforgettable

   C. Beautiful   D. Sparkling

51. Choose the alternative which best express the meaning of the idiom/phrase.

   To drive home

   A. To find one's root ✓   B. To return to place of rest

   C. Back to original position   D. To emphasise

[15]

Direction (QS. 52-55).

Read the passage and answer these questions.

The object underlying the rules of natural justice "is to prevent miscarriage of justice" ans secure "fair play in action" As pointed out earlier the requirement about recording of reasons for its decision by an administrative authority exercising quasi-judicial function s achieves his object by excluding changes of arbitrariness and ensuring a degree of fairness in the process of decision making. Keeping in view the expanding horizon of the principle of natural justice which governs exercise of power by administrative authorities. The rules of natural justice are not embodied rules. The extent of their application depends upon the particularly statutory framework where under jurisdiction has been conferred on the administrative authority. with regard to the exercise of particular power by an administrative authority including exercise of judicial or quasi-judicial functions the legislature, while conferring the said power, may feel that it would not be in the larger public interest that the reasons for the order passed by the administrative authority be recorded in the order and be communicated to the aggrieved party and it may dispense with such a requirement.

52. "The rules of the natural justice are not embodies rules" means that these rules

   A.   are left deliberately vague

   B.   cannot be satisfactorily interpreted

   C.   are flexible

   D.   cannot be visualized

53. From the passage it is clear that it is the legislature that

    A.   invests the administrative authority with enormous powers

    B.   embodies rules

    C.   has the larger interests of public welfare

    D.   leaves administrative authority enough discretion to interpret rules

54. According to the passage, there is always a gap between

    A.   rules of natural justice and their application

    B.   conception of a rule and its concretisation

    C.   demand for natural justice and its realisation

    D.   intention and execution

55. "To dispense with a requirement" means

    A.   to do without the demand   B.   to drop the charge

    C.   to cancel all formal procedure   D.   to alter the provisions of the case

GENERAL KNOWLEDGE

56. Hire and Fire is the policy of

    A. Socialism

    B. Mixed Economy

    C. Traditional Economy

    D. Capitalism

57. In which year was Abdul Ghaffar Khan awarded Bharat Ratna?

    A. 1987

    B. 1978

    C. 1897

    D. 1879

58. Which of the following planets do not have a ring system?

    A. Jupiter

    B. Uranus

    C. Neptune

    D. Venus

59. Global Positioning System depends on

    A. High altitude satellites

    B. Medium altitude satellites

    C. Low altitude satellites

    D. Ground-based nano satellites

60. As per the 2011 census, life expectancy in India is approximately:

    A. 50 years

    B. 60 years

    C. 70 years

    D. 80 years

61. Who among the following did NOT receive Bharat Ratna posthumously?

A. Sardar Patel

B. Rajiv Gandhi

C. Vinoba Bhave

D. Gopinath Bardoloi

62. The Reserve Bank of India (RBI) came into existence in _____

A. 1935

B. 1945

C. 1947

D. 1937

63. Joint session of both the Houses of Parliament is Presided over by the

A. Chairman of Rajya Sabha

B. Speaker of the Lok Sabha

C. President

D. Leader of the Lok Sabha

64. The United Nations is the successor of .

A. League of Nations

B. League of Free Nations

C. The United Nations of the free world

D. League of Independent nations

65. Fuse is made up of material having

A. High melting point

B. High boiling point

C. Low melting point

D. Low boiling point

[19]

66. The Non-Cooperation Movements saw

    A.   Picketing of shops selling foreign cloth

    B.   boycott of foreign cloth by the followers of Gandhiji

    C.   a mood of civil mass disobedience throughout the country

    D.   All of the above.

67. Who among the following wrote 'Satyarth Prakash '?

    A.   Vivekananda   B.   Ramakrishna Paramahamsa

    C.   Dayananda Saraswati   D.   Badruddin Tayabji

68. The Preamble of Indian Constitution has been amended_____so far.

    A.   Once   B.   two times

    C.   three times   D.   four times

69. The Secretary General of the United Nations is appointed for a term of

    A.   Three years   B.   Five years

    C.   Nine years   D.   Lifetime

70. India Wins Freedom written by

    A.   Amitav Gosh   B.   Arun Shourie

    C.   Abul Kalam Azad   D.   Gita Mehta

71. Who are the soldiers of the body's defence system?

  A. Red blood cells

  B. Platelets

  C. Proteins

  D. White blood cells

72. The word 'diamond' is associated with

  A. Basketball

  B. Baseball

  C. Ice hockey

  D. Billiards

73. What did Blaise Pascal invent in 1642?

  A. Modern Machine

  B. Barometer

  C. Camera

  D. Digital Calculator

74. What is the largest bone in human body?

  A. Ulna

  B. Femur

  C. Clavicles

  D. Humerus

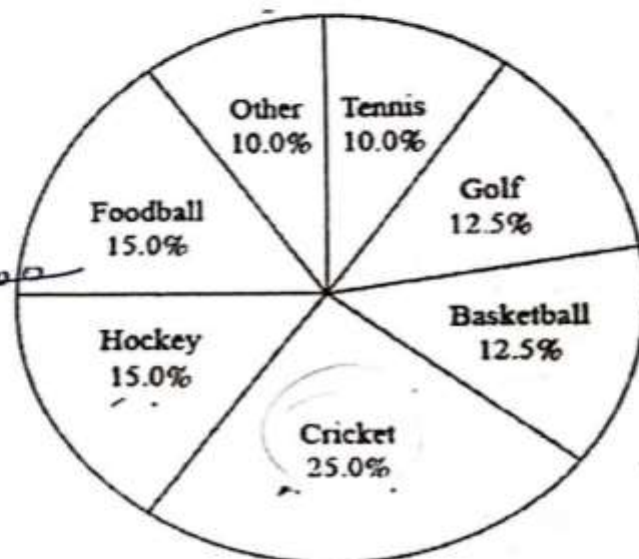75. Indian National Army was formed by Subhash Chandra Bose in:

  A. 1940

  B. 1941

  C. 1942

  D. 1943

Entrance Examination – 2021 - 22

M68 SET – B

Data Interpretation

Question with options

Directions: The circle graph given here shows the spendings of a country on various sports during a year. Study the graph carefully to answer these questions.

Percent of Money Spent on Various Sports for One Year

76. If the total amount spent on sports during the year was ₹15000000, then the amount spent on Cricket and Hockey together was:

    A. ₹6000000

    B. ₹5000000

    C. ₹3750000

    D. ₹7500000

77. The ratio of the total amount spent on football to that spent on Hockey was:

    A. 1:15

    B. 1:1

    C. 15:1

    D. 3:2

78. The country spent the same amount of money on:

    A. Hockey and Tennis   B. Golf and Basketball

    C. Cricket and Football   D. Hockey and Golf.

79. If the total amount spent during the year was ₹1,20,00,000 how much was spent
    on basketball?

    A. ₹12,50,000   B. ₹10,00,000

    C. ₹12,00,000   D. ₹15,00,000

80. The graph shows that the most popular game is:

    A. Hockey   B. Football

    C. Cricket   D. Basketball