

108

SUITABILITY TEST FOR GRADUATE CATEGORY UNDER
COMPASSIONATE GROUNDS APPOINTMENT
WRITTEN EXAMINATION

DATE : 10.03.23
Time : 14.00 hrs to 16.00 hrs

VENUE : Divisional Office/TPJ
Total Marks: 100

1. Candidates should write their Name, Roll Number etc. only in the space provided in the fly leaf and **NOT** in any other sheet.
2. The Question paper contains 100 questions
Part I - 35 questions - General Knowledge
Part II - 25 questions - General English
Part III - 40 questions - Arithmetic
3. All questions are compulsory.
4. Each question carries 1 mark.
5. There shall be no negative marks for wrong answers.
6. No corrections / over writings are permitted. If found, the same will not be evaluated.

PART I - GENERAL KNOWLEDGE

- Q.1. The World Environment Day is celebrated throughout the world on _____ every year.
(A) May 8 (B) June 5 (C) July 11 (D) August 27
- Q.2. Approximately what portion of the world's population resides in India?
(A) One-third (B) One-fourth (C) One-fifth (D) One-sixth
- Q.3. 'Manas' Tiger Sanctuary' is in....
(A) Rajasthan (B) Assam (C) Madhya Pradesh (D) Uttar Pradesh
- Q.4. Decibel is the unit of....
(A) Frequency (B) Wavelength (C) Sound (D) Luminous Intensity
- Q.5. Which of the following trains is India's first certified ISO-9001 train?
(A) AP Express (B) Magadha Exp (C) Bhopal Exp (D) Mumbai-Delhi Exp
- Q.6. Which Indian state has the least literacy rate?
(A) Bihar (B) Rajasthan (C) Orissa (D) Arunachal Pradesh
- Q.7. This river was also called as the Ganges of the South, Name the river from the given options.
(A) Godavari (B) Krishna (C) Cauvery (D) None of these
- Q.8. The weight of the man will be _____ on the surface of the moon of his actual weight.
(A) One-Third (B) One-Fourth (C) One-Sixth (D) One-Fifth
- Q.9. Which of the following represents the year in which Alexander invaded India?
(A) 323 BC (B) 324 BC (C) 328 BC (D) 326 BC
- Q.10. The first woman chief justice of the high court of India was....
(A) Fatima Biwi (B) Ruma Pal (C) Leila Seth (D) None of these

- Q.11. Identify the correct match:
- (A) May 8 - World Health Day (B) May 1 - World Literacy Day
(C) May 17 - World Telecommunication Day (D) June 5 - World Ozone Day
- Q.12. Reserve Bank of India is headquartered at.....
- (A) Kolkata (B) New Delhi (C) Mumbai (D) Chennai
- Q.13. Who is known as The Father of Geometry ?
- (A) Euclid (B) Pythagoras (C) Newton (D) Laplace
- Q.14. Which of the following rays is NOT harmful?
- (A) Ultraviolet rays (B) X-rays (C) Infrared rays (D) Short radio waves
- Q.15. According to the Constitution of India, which of the following is NOT one of the main organs of the Government?
- (A) Legislature (B) Bureaucracy (C) Executive (D) Judiciary
- Q.16. What is the minimum age required to become the President, Vice-President of India or Governor of Indian state?
- (A) 21 years (B) 25 years (C) 30 years (D) 35 years
- Q.17. Which of the following constitutional amendments was responsible for the inclusion of Konkani, Manipuri and Nepali languages in the eighth schedule of the Constitution?
- (A) 68th amendment (B) 70th amendment (C) 71st amendment (D) 76th amendment
- Q.18. When is the 'International Customs Day 2023' observed?
- (A) January 25 (B) January 26 (C) January 27 (D) January 30
- Q.19. Governor is appointed by the
- (A) Prime Minister (B) President
(C) Chief Justice of India (D) Chief Justice of the concerned state high court
- Q.20. My passage from India is a book authored by....
- (A) E.M. Foster (B) Ismail Merchant
(C) Nairad C. Choudhary (D) Mulk Raj Anand
- Q.21. Metals which chemically behave both as metals and non-metals is called.
- (A) Alloys (B) Metalloids (C) Halogens (D) Chalkogens
- Q.22. The largest river (in terms of volume of water it carries) is....
- (A) Nile (B) Yangtze (C) Amazon (D) Mississippi Missouri

- Q.23. Who hoists the flag on Independence Day at Red Fort?
(A) Prime Minister (B) President (C) Vice President (D) Chief Justice
- Q.24. December 1 is celebrated as the _____ throughout the world.
(A) World Health Day (B) World AIDS Day
(C) World Human Rights Day (D) World Habitat Day
- Q.25. The literacy rate of India is....
(A) 57.86% (B) 61.34% (C) 63.98% (D) 74.37%
- Q.26. Recently, which player has won the men's singles title in the Australian Open 2022 ?
(A) Daniil Medvedev (B) Roger Federer (C) Novak Djokovic (D) Rafael Nadal
- Q.27. Who won the Football World Cup 2022 ?
(A) Argentina (B) Portugal (C) France (D) Spain
- Q.28. Every year on whose death anniversary "Martyr's Day" is celebrated all over India on 30 January?
(A) Chandrashekhar Azad (B) Mahatma Gandhi
(C) Nathuram Godse (D) Rajiv Gandhi
- Q.29. Bermuda is a good example of the:
(A) Tsunami (B) Cyclone (C) Oceanic rise (D) Volcanic eruption
- Q.30. Primary rocks are the result of the following process:
(A) Melting (B) Solidification (C) Caching (D) Desertification
- Q.31. Who won the T20 Cricket World Cup 2022 ?
(A) India (B) Australia (C) England (D) Srilanka
- Q.32. How many fundamental rights were given in the beginning?
(A) 8 (B) 6 (C) 7 (D) 4
- Q.33. According to the Constitution, India is best described as a_____.
(A) Union of States (B) Unitary State (C) Sovereign state (D) Federation
- Q.34. Which state has the longest coastline in India?
(A) Andhra Pradesh (B) Maharashtra (C) Gujarat (D) West Bengal
- Q.35. First case of novel Corona virus identified in India was at...
(A) Maharashtra (B) Kerala (C) Karnataka (D) Tamilnadu

PART II - GENERAL ENGLISH

Direction: In the following questions out of the four alternatives, choose the one which best expresses the meaning of the given word as your answer.

Q.36: CORDIAL

- (A) Friendly (B) Kind (C) Affectionate (D) Generous

Q.37: IMPECCABLE

- (A) Upright (B) Harmless (C) Inoffensive (D) Flawless

Direction: In the following questions choose the word opposite in meaning to the given word.

Q.38: DEFICIT

- (A) Surplus (B) Superfluous (C) Explicit (D) Implicit

Q.39: EVOLVE

- (A) Suspend (B) Stop (C) Withdraw (D) Withhold

Q.40: AUGMENT

- (A) Supplement (B) Decrease (C) Increase (D) Defend

Direction: Find in the blanks with correct Prepositions.

Q.41: My grand father will come here ____ a week.

- A. with B. before C. at D. within

Q.42: The work was completed ____ sunset.

- A. for B. in C. at D. about

Q.43: Can you write ____ this pen.

- A. with B. in C. by D. on

Q.44: My father will retire from service ____ a year.

- A. of B. in C. on D. by

Q.45: He comes ____ a car.

- A. at B. on C. with D. by

Q.46: I am angry ____ my sister.

- A. for B. to C. at D. with

Q.47: I shall meet you ____ 6 o'clock.

- A. by B. at C. in D. during

Q.48: Suganya writes ____ her left hand.

- A. on B. in C. with D. by

Q.49: Don't point ____ my mistakes.

- A. on B. at C. out D. by

Q.50: Life is not a bed ____ roses.

- A. with B. of C. for D. off

DIRECTIONS: find Odd word from options

Q.51: Select the odd one out

- A. Banana B. Mango C. Cashew D. Guava

Q.52: Select the odd one out

- A. Listen B. Swim C. Walk D. Climb

Q.53: Select the odd one out

- A. Screw B. Hammer C. Needle D. Pin

Q.54: Select the odd one out

- A. Fleas B. Parrot C. Harbor D. Grasshoppers

Q.55: Select the odd one out

- A. China B. Indonesia C. Thailand D. Japan

Direction: Select the correct spelt word.

Q.56: A. Recommandation B. Recommendation C. Recomandation D. Recommendation

Q.57: A. Surveilance B. Survellance C. Surveillance D. Survaillance

Q.58: A. Guarantee B. Garuntee C. Gaurantee D. Guaruntee

Q.59: A. Hindrence B. Hindrance C. Hinderence D. Hinderance

Q.60: A. Democracy B. Democaracy C. Democrecei D. Democarcy

Part - III ARITHMATIC

Q.61. $217 \times 217 + 183 \times 183 = ?$

- (A) 79698 (B) 80578 (C) 80698 (D) 81268

Q.62. The sum of first 45 natural numbers is

- (A) 1035 (B) 1280 (C) 2070 (D) 2140

Q.63. The LCM of 148 and 160 is:

- (A) 680 (B) 740 (C) 2960 (D) 3700

Q.64. The LC.M. of $\frac{1}{3}, \frac{5}{6}, \frac{2}{9}, \frac{4}{27}$ is...

- (A) $\frac{1}{54}$ (B) $\frac{10}{27}$ (C) $\frac{20}{3}$ (D) None of these

Q.65. What is 10 % of 0.01 ?

- (A) 0.001 (B) .01 (C) 1 (D) 0.01

Q.66. A boy was asked to write the value of $(2)^5 \times (9)^2$. He wrote it as 2592. The difference between the obtained and the actual value is:

- (A) 0 (B) 2×9^2 (C) $2^2 \times 9^3$ (D) $2^3 \times 9^4$

Q.67. The average of runs of a cricket player of 10 innings was 32. How many runs must he make in his next innings so as to increase his average of runs by 4 ?

- (A) 2 (B) 4 (C) 70 (D) 76

Q.68. At what angle the hands of a clock are inclined at 15 minutes past 5?

- (A) $58\frac{1}{2}^\circ$ (B) 64° (C) $67\frac{1}{2}^\circ$ (D) $72\frac{1}{2}^\circ$

Q.69. Six years ago, the ratio of the ages of Kunal and Sagar was 6 : 5. Four years hence, the ratio of their ages will be 11 : 10. What is Sagar's age at present ?

- (A) 16 years (B) 18 years (C) 20 years (D) None of these

Q.70. Hitesh is 40 years old and Ronnie is 60 years old. How many years ago was the ratio of their ages 3:5?

- (A) 5 years (B) 10 years (C) 20 years (D) 37 years

Q.71. What least number must be added to 1056, so that the sum is completely divisible by 23?

- (A) 2 (B) 3 (C) 8 (D) 21

Q.72. After deducting a commission of 5%, a TV set costs Rs. 9595. Its marked price is..

- (A) Rs. 10,000 (B) Rs. 10,075 (C) Rs. 10,100 (D) Rs. 10,500

Q.73. The HCF of two numbers is 8. Which one of the following can never be their LCM.

- (A) 24 (B) 48 (C) 56 (D) 60

Q.74. The average of 7 consecutive numbers is 20. The largest numbers of these is?

- (A) 20 (B) 23 (C) 21 (D) 24

Q.75. Twenty women can do a work in sixteen days. Sixteen men can complete the same work in fifteen days. What is the ratio between the capacity of a man and a woman?

- (A) 3:4 (B) 4:3 (C) 5:3 (D) Data inadequate

Q.76. 0.01 is what percent of 0.1?

- (A) 1/100 (B) 1/10 (C) 10 (D) 100

Q.77. A man walking at the rate of 5 km/hr crosses a bridge in 15 minutes. The length of the bridge (in metres) is:

- (A) 600 (B) 750 (C) 1000 (D) 1250

Q.78. One of the two buses completes a journey of 300 km in $7\frac{1}{2}$ hours and the other a journey of 450 km in 9 hours. The ratio of their average speeds is:

- (A) 2:3 (B) 3:4 (C) 4:5 (D) 8:9

Q.79. What least number must be added to 1056, so that the sum is completely divisible by 23?

- (A) 2 (B) 3 (C) 8 (D) 21

Q.80. At what simple rate of interest a sum is double in 8 years?

- (A) 11% (B) 12.5% (C) 12% (D) 13.5%

Q.81. A man can row upstream at 8 kmph and downstream at 13 kmph. The speed of the stream is..

- (A) 2.5 km/hr (B) 4.2 km/hr (C) 5 km/hr (D) 10.5 km/h

Q.82. Solve the following equation $24 + 4 \div 4$

- (A) 28 (B) 10 (C) 25 (D) None of these

- Q.83. If Rs. 64 amounts to Rs. 83.20 in 2 years, what will Rs. 86 amount to in 4 years at the same rate percent per annum?
- (A) Rs. 114.80 (B) Rs. 124.70 (C) Rs. 127 40 (D) Rs. 137.60
- Q.84. The interest on a certain deposit at 4.5% pa. is Rs. 202.50 in one year. How much will the additional interest in one year be on the same deposit at 5% pa. ?
- (A) Rs. 20.25 (B) Rs. 22.50 (C) Rs. 25 (D) Rs. 42.75
- Q.85. The difference between compound interest and simple interest on a Rs. 15,000 for 2 years is Rs. 96. What is the rate of interest per annum ?
- (A) 8 (B) 10 (C) 12 (D) None of these
- Q.86. When n is divided by 6, the remainder is 4. When $2n$ is divided by 6, the remainder is
- (A) 4 (B) 2 (C) 0 (D) 1
- Q.87. The length of a rectangle is halved, while its breadth is tripled. What is the percentage change in area?
- (A) 25% increase (B) 50% increase (C) 50% decrease (D) 75% decrease
- Q.88. The length of a rectangle is increased by 60%. By what percent would the width have to be decreased so as to maintain the same area ?
- (A) $37\frac{1}{2}\%$ (B) 60% (C) 75% (D) 120%
- Q.89. How many cubes of 3cm edge can be cut out of a cube of 18cm edge?
- (A) 36 (B) 216 (C) 218 (D) 432
- Q.90. If the volumes of two cubes are in the ratio 27: 1, the ratio of their ages is
- (A) 1:3 (B) 1:27 (C) 3:1 (D) 27:1
- Q.91. At what time between 9 and 10 o'clock will the hands of a watch be together?
- (A) 45 min. past 9 (B) 50 min. past 9
- (C) $49\frac{1}{11}$ min. past 9 (D) $48\frac{2}{11}$ min. past 9
- Q.92. In a 100 m race, A can beat B by 25 m and B can beat C by 4 m. In the same race, A can beat C by:
- (A) 21 m (B) 26 m (C) 28 m (D) 29 m
- Q.93. At 3.40, the hour hand and the minute hand of a clock form an angle of:
- (A) 120 (B) 125° (C) 130° (D) 135°
- Q.94. The angle between the minute hand and the hour hand of a clock when the time is 4.20, is:
- (A) 0 (B) 10° (C) 5° (D) 20"
- Q.95. What is the square root of 50?
- (A) 5 (B) 8 (C) $5\sqrt{2}$ (D) 4
- Q.96. The HCF of 204, 1190 and 1445 is
- (A) 24 (B) 48 (C) 56 (D) 17
- Q.97. Total surface area of a cube whose side is 0.5 cm is
- (A) $\frac{1}{4}$ cm² (B) $\frac{1}{8}$ cm² (C) $\frac{3}{4}$ cm² (D) $\frac{3}{2}$ cm²

Q.98. What least number must be added to 1056, so that the sum is completely divisible by 23?

(A) 2

(B) 3

(C) 18

(D) 21

Q.99. The angle of elevation of the sun, when the length of the shadow of tree $\sqrt{3}$ times the height of the tree, is:

(A) 30°

(B) 45°

(C) 60°

(D) 90°

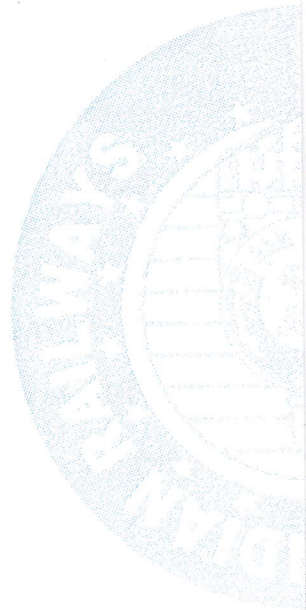
Q.100. Find the highest common factor of 36 and 84.

(A) 4

(B) 6

(C) 12

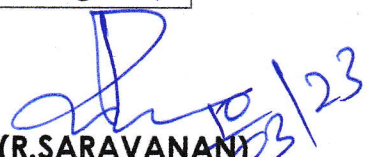
(D) 18



THE KEY

FOR THE QUESTION SET FOR THE WRITTEN EXAMINATION FOR SUITABILITY TEST FOR GRADUATE CATEGORY UNDER COMPASSIONATE GROUNDS APPOINTMENT HELD ON 10.03.23

S.NO	ANSWER	S.NO	ANSWER	S.NO	ANSWER
GENERAL KNOWLEDGE		GENERAL ENGLISH		ARITHMATIC	
1.	B	36.	A	61.	B
2.	D	37.	D	62.	A
3.	B	38.	A	63.	B
4.	C	39.	D	64.	C
5.	C	40.	B	65.	A
6.	A	41.	D	66.	A
7.	C	42.	C	67.	D
8.	C	43.	A	68.	B
9.	D	44.	B	69.	A
10.	A	45.	D	70.	B
11.	C	46.	D	71.	A
12.	C	47.	B	72.	C
13.	A	48.	C	73.	D
14.	D	49.	C	74.	B
15.	B	50.	B	75.	B
16.	D	51.	C	76.	C
17.	C	52.	A	77.	D
18.	B	53.	B	78.	C
19.	B	54.	C	79.	A
20.	B	55.	D	80.	B
21.	B	56.	B	81.	A
22.	C	57.	C	82.	C
23.	A	58.	A	83.	D
24.	B	59.	B	84.	B
25.	D	60.	A	85.	A
26.	D			86.	B
27.	A			87.	B
28.	B			88.	A
29.	C			89.	B
30.	B			90.	C
31.	C			91.	C
32.	C			92.	C
33.	A			93.	C
34.	C			94.	B
35.	B			95.	C
				96.	D
				97.	D
				98.	A
				99.	A
				100.	C



(R.SARAVANAN)

Sr.DSO/TPJ

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