SUITABILITY TEST FOR GRADUATE CATEGORY UNDER COMPASSIONATE GROUNDS APPOINTMENT WRITTEN EXAMINATION

Date : 19.04.2023   Venue   : Divisional Office/TPJ
Time: 14.00 hrs to 16.00 hrs   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.

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PART I - GENERAL KNOWLEDGE

Q.1.   The Chola dynasty was an ancient Tamil Kingdom along the banks of the river

   (A) Cauvery   (B) Krishna   (C) Godavari   (D) Mohanadi

Q.2   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.3.   Bermuda is a good example of the:

   (A) Tsunami   (B) Cyclone   (C) Oceanic rise   (D) Volcanic eruption

Q.4.   Fungi are plants that lack:
   (A) Oxygen   (B) Carbon dioxide   (C) Chlorophyll   (D) None of these

Q.5.   The literacy rate of India is….

   (A) 57.86%   (B) 61.34%   (C) 63.98%   (D) 74.37%

Q.6.   When is 'Kargil Vijay Diwas' celebrated every year across India?
   (A) 26 July   (B) 23 Aug   (C) 25 June   (D) 27 May

Q.7   Which of the following rays is NOT harmful?

   (A) Ultraviolet rays (B) X-rays   (C) Infrared rays   (D) Short radio waves

Q.8.   Which Indian state is called as 'God's own country'?

   (A) Kerala   (B) Rajasthan   (C) Arunachal Pradesh (D) Orissa

Q.9.   Who was India's first President?

   (A) V.V.Giri   (B) Rajendra Prasad (C) Radha Krishnan   (D) Zakhir Hussain

Q.10. Constitution of India came into effect from?

    (A) 15 august 1947   (B) 15 January 1948

    (C) 10 August 1950   (D) 26 January 1950

Q.11. Who is Governor of Reserve Bank of India at present?
    (A) C.Rengarajan   (B) B.Y.Reddy   (C) Bimal Jalan   (D) Shaktikanta Das

Q.12. Which is India's National Fruit?
    (A) Mango   (B) Guava   (C) Grape   (D) Banana

Q.13. SAARC was formed in....
    (A) 1982   (B) 1984   (C) 1985   (D) 1986

Q.14. Who has won the Bronze medal in recent Tokyo Olympics' 2021 badminton?
    (A) Sania Mirza   (B) Geeta Phogat   (C) P V Sindhu   (D) Sakshi Malik

Q.15. Manas' Tiger Sanctuary' is in....

    (A) Rajasthan   (B) Madhya Pradesh (C) Assam   (D) Uttar Pradesh

Q.16. Who hoists the flag on Independence Day at Red Fort?
    (A) Prime Minister (B) Vice President   (C) President   (D) Chief Justice

Q.17. Which of the following countries does not have a border at Sea of Japan?
    (A) North Korea   (B) Indonesia   (C) China   (D) Russia

Q.18. Which state produces 60% of India's salt production?
    (A) Tamilnadu   (B) Gujarat   (C) Bihar   (D) Goa

Q.19. The first case of novel corona virus was identified in

    (A) China   (B) India   (C) Singapore   (D) U.S.A

Q.20. In which game Neeraj Chopra won Gold medal for India in Tokyo 2021 Olympic?

    (A) Jawlin Throw (B) Swimming   (C) Badminton   (D) Tennis

Q.21. 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.22. Who is known as The Father of Geometry ?

    (A) Euclid   (B) Pythagoras   (C) Newton   (D) Laplace

Q.23. Reserve Bank of India is headquartered at.....
    (A) Kolkata   (B) New Delhi   (C) Mumbai   (D) Chennai

Q.24. Who is the Father of Economics ?

    (A) J.M. Keynes   (B) Adam Smith   (C) J.K.Galbraith   (D) Abraham Maslow

Q.25. 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.26. The highest producer of milk in the world is.....
(A) USA   (B) China   (C) India   (D) Minerals

Q.27. Identify the correct match:

(A) May 8 - World Health Day   (B) May 1 - World Literacy Day

(C) June 5 - World Ozone Day   (D) May 17 - World Telecommunication Day

Q.28. Where is the Tungabhodra sanctuary located?

(A) Madhya Pradesh   (B) Uttar Pradesh   (C) Karnataka   (D) West Bengal

Q.29. When is 'Ambedkar Jayanti' observed in India?

(A) January 14   (B) February 14   (C) March 14   (D) April 14

Q.30: Panama Canal links which of the following water resources?

(A) Pacific Ocean and Atlantic Ocean
(B) Red Sea and Mediterranean Sea
(C) Red Sea and Caspian Sea
(D) Atlantic Ocean and Arctic Ocean

Q.31 Recently Hon'ble PM introduced 'Vande Bharat' Train in Tamilnadu which runs between...

(A) Chennai - Coimbatore   (B) Chennai - Trichy

(C) Madurai - Chennai   (D) Chennai - Madurai

Q.32: The study of plants, animals, microbes and other life forms around us is called
(A) Micro Biology   (B) Botany   (C) Biology   (D) Zoology

Q.33: Which of the following regulates Mutual Funds?
(A) SEBI   (B) SBI   (C) RBI   (D) None of these

Q.34: Which country is not the ex-soviet union constituent?
(A) Uzbekistan   (B) Latvia   (C) Ukrine   (D)France

Q.35: Which country is odd in the following?
(A) France   (B) Poland   (C) Bulgaria   (D)UAE

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: SOLE
(A) important   (B) immediate   (C) only   (D) principal

Q.37: ANNEXURE
(A) attachment   (B) development   (C) retirement   (D) commencement

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

Q.38: AUGMENT

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

Q.39: DEFICIT

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

Q.40: ARTISAN

     (A) ignorant villager   (B) unskilled labour

     (C) skilled sculptor   (D) learned person

Fill in the Blanks with suitable words in the option:

Direction: Find in the blanks with correct Prepositions.

Q.41: My cousin will retire from service _____ a year.

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

Q.42: Don't point _____ his mistakes.

     A. in   B. at   C. out   D. for

Q.43: We will meet you _____ 6 o'clock.

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

Q.44: Chandra writes _____ her left hand.

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

Q.45: Whom are you talking _____

     A. to   B. too   C. by   D. over

Q.46: He is interested _____ reading novels.

     A. by   B. in   C. on   D. at

Q.47: Don't point _____ my mistakes.

     A. in   B. at   C. out   D. for

Q.48: He will think _____ the matter.

     A. for   B. on   C. at   D. about

Q.49: I came to live here _____ 1992.

     A. in   B. at   C. by   D. on

Q.50: He is angry _____ his sister.

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

DIRECTIONS: find Odd word from options

Q.51: Select the odd one out
A. Fleas   B. Parrot   C. Harbor   D. Grasshoppers

Q.52: Select the odd one out
A. Listen   B. Swim   C. Walk   D. Climb

Q.53: Select the odd one out
A. Cauveri   B. Godhavari   C. Ganges   D. Nile

Q.54: Select the odd one out
A. Mouse   B. Key board   C. Window OS   D. Monitor

Q.55: Select the odd one out
A. SR   B. SCR   C. Chennai Metro   D. WCR

DIRECTIONS : Select the proper Prefix..

Q.56: Proper
A. En   B. Im   C. In   D. Bi

Q.57: Attended
A. Un   B. In   C. Im   D. An

Direction: Select the correct spelt word.

Q 58: A. Encourage   B. Encorage   C. Incorage   D. Encurage

Q.59: A. Surveilance   B. Survellance   C. Surveillance   D. Survaillance

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

Part – III ARITHMATIC

Q.61. 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.62. The average of a non zero number and its square is 5 times the number. The number is ...
(A) 9   (B) 17   (C) 29   (D) 295

Q.63. The sum of the present age of a father and his son is 60 years. Six years ago father's age was five times the age of the son. After 6 years son's age will be?
(A) 12 years   (B) 14 years   (C) 18 years   (D) 20 years

Q.64. 0.01 is what percent of 0.1?
(A) 1/100   (B) 1/10   (C) 10   (D) 100

Q.65. A and B can do a job together in 7 days. A is 1 3/4 times as efficient as B. The same job can be done by A alone in?

(A) 9 1/3 days (B) 11 days (C) 12 1/4 days (D) 16 1/3 days

Q.66. A man borrows Rs. 2550 to be paid back with compound interest at the rate of 4% per annum by the end of 2 years in two equal yearly installments. How much will each installment be ?

(A) Rs. 1275 (B) Rs. 1283 (C) Rs. 352 (D) Rs. 377

Q.67. A rectangular carpet has an area of 120 sq. meter and a perimeter of 46 meters. The length of its diagonal is

(A) 15 m (B) 16 m (C) 7 m (D) 20 m

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

(A) 58/2° (B) 64° (C) 67 1/2° (D) 72 1/2°

Q.69. The L.C.M of 3, 2.7 and 0.09 is?

(A) 2.7 (B) 0.27 (C) 0.027 (D) 27

Q.70. The average of 7 consecutive numbers is 20. The largest numbers of these is?

(A) 20 (B) 22 (C) 23 (D) 24

Q.71. The average of six numbers is 3.95. The average of two of them is 3.4, while the average of the other two is 3.85. What is the average of the remaining two numbers?

(A) 4.5 (B) 4.6 (C) 4.7 (D) 4.8

Q.72. The HCF of 204, 1190 and 1445 is

(A) 24 (B) 48 (C) 56 (D) 17

Q.73. The sum ages of 5 children's born at the intervals of 3 years each is 50 years. What is the age of youngest child?

(A) 4 years (B) 8 years (C) 10 years (D) None of these

Q.74. 4950 / 6 + 112 x 1.75 = ? x 2

(A) 510.5 (B) 505.2 (C) 515.5 (D) none of the above

Q.75. A train covers a distance of 10 km in 12 minutes. If its speed is decreased by 5 km/hr, the time taken by it to cover the same distance will be

(A) 10 min (B) 1 min 20 sec (C) 13 min (D) 13 min 20 sec

Q.76. A motor boat whose speed is 15 km/hr in still water goes 30 km downstream and comes back in a total of 4 hours 30 minutes. The speed of the stream (in km/hr) is

(A) 4 (B) 5 (C) 6 (D) 0

Q.77. The sum of two numbers is 24 and the sum of their squares is 386, then one number is

(A) 17 (B) 19 (C) 9 (D) 11

Q.78. When a commodity is sold for Rs.34.80, there is a loss of 2%. What is the cost price of the commodity ?
(A) Rs. 26.10   (B) Rs.43   (C) Rs.43.20   (D) Rs.46.40

Q.79. A and B can do a work in 12 days, B and C in 15 days, C and A in 20 days. If A, B and C work together, they will complete the work in :
(A) 5 days   (B) $7\,{}^5/_6$ days   (C) 10 days   (D) $15\,{}^2/_3$ days

Q.80. A can do a certain work in the same time in which B and C together can do it. If A and B together could do it in 10 days and C alone in 50 days, then B alone could do it in :
(A) 15 days   (B) 20 days   (C) 25 days   (D) 30 days

Q.81. Length of a rectangle is 53 metre while its breath is 28 metre. Cost of covering it with grass bed is Rs.27 / sq meter. Find the total expenditure?
(A) Rs.40,098   (B) Rs.40,048   (C) Rs.40,058   (D) None of these

Q.82. A can complete a journey in 10 hours. He travels first half of the journey at the rate of 21 km/hr and second half at the rate of 24 km/hr. Find the total journey in km ?
(A) 220 km   (B) 224 km   (C) 230 km   (D) 234 km

Q.83. The ratio of length and breadth of rectangle is 5:2 respectively. The respective ratio of its perimeter and area is 1:3 (irrespective of the unit). What is the length of the rectangle?
(A) 27 units   (B) 32 units   (C) 21 units   (D) None of these

Q.84. A train passes a station platform in 36 seconds and a man standing on the platform in 20 seconds. If the speed of the train is 54 km/hr. What is the length of the platform ?
(A) 120m   (B) 240m   (C) 300m   (D) None of these

Q.85. How many seconds will a 500m long train take to cross a man walking with a speed of 3 km/hr in the direction of the moving train if the speed of the train is 63 km/hr ?
(A) 25   (B) 30   (C) 40   (D) 45

Q.86. The average age of 30 boys in a class is 15 years. One boy, aged 20 years, left the class, but two new boys came in his place whose age differs by 5 years. If the average of all the boys now in the class becomes 15 years, the ape of the younger newcomer is:
(A) 20 years   (B) 15 years   (C) 10 years   (D) 8 years

Q.87. The marked price of a watch was Rs. 720. A man bought the same for Rs. 550.80 after petting two successive discounts, the first being 10% then the second discount rate is...
(A) 15%   (B) 18%   (C) 12%   (D) 14%

Q.88. A man rows to a place 48km distance and back in 14 hours. He finds that he can row 4 km with stream in the stream in the same time as 3 km against the stream. The rate of the stream is :
(A) 1 km/hr   (B) 1.5 km/hr   (C) 1.8 km/hr   (D) 3.5 km/hr

Q.89. The length of the common chord of two intersecting circles is 24 cm. If the diameters of the circles are 30 cm and 24 cm, then the distance between the center (in cm) is
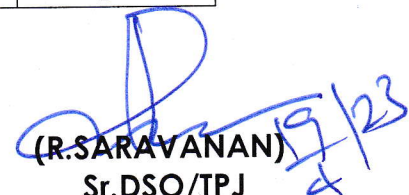(A) 5   (B) 16   (C) 13   (D) 4

Q.90. How long will it take as sum of money invested at 5% p.a. S.I to increase its value by 40% ?
(A) 5 years   (B) 6 years   (C) 7 years   (D) 8 years

Q.91. The largest number, which divides 25, 73 and 97 to leave the same remainder in each case, is….
(A) 21   (B) 6   (C) 24   (D) 23

Q.92. The graphs of x = a and y = b intersect at
(A) (-a, b)   (B) (b, a)   (C) (a, b)   (D) (a. -b)

Q.93. A Sum of money becomes eight times of itself in 3 years at compound interest. The rate of interest per annum is
(A) 20 %   (B) 10 %   (C) 100 %   (D) 80 %

Q.94. The total number of integers between 100 and 200, which are divisible by both 9 and 6, is
(A) 7   (B) 8   (C) 5   (D) 6

Q.95. The length of a rectangular hall is 5m more than its breadth. The area of the hall is 750 m². The length of the hall is:
(A) 15m   (B) 22.5m   (C) 25m   (D) 30m

Q.96. 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.97. If the areas of the three adjacent faces of a rectangular block are 120 cm², 72cm², and 60cm³ respectively, then find the volume of the box.
(A) 720 cm²   (B) 864 cm³   (C) 7200 cm³   (D) (72)² cm³

Q.98. 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.99. At what time between 9 and 10 o'clock will the handle of a watch be together?

(A) 45 min. past 9   (B) 50 min. past 9

(C) 49 $1/_{11}$ min. past 9   (D) 48 $2/_{11}$ min. past 9

Q.100. At what time between 5.30 and 6 will the hands of a clock be at right angles?

(A) 43 $5/_{11}$ min. past 9   (B) 43 $7/_{11}$ min. past 5

(C) 40 min. past 5   (D) 45 min. past 5

**********All the Best **********

THE KEY
FOR THE QUESTION SET FOR THE WRITTEN EXAMINATION FOR SUITABILITY TEST FOR GRADUATE CATEGORY UNDER COMPASSIONATE GROUNDS APPOINTMENT HELD ON 19.04.23

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

(R.SARAVANAN)
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