

**SUITABILITY TEST FOR GRADUATE CATEGORY UNDER
COMPASSIONATE GROUNDS APPOINTMENT
WRITTEN EXAMINATION**

DATE : 18.10.2022
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 capital of Maharashtra is....
(A) Masoorie (B) Mumbai (C) Nainital (D) None of these
- Q.2. 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.3. Panchayati Raj comes under....
(A) Residual list (B) Concurrent list (C) State list (D) Union list
- Q.4. Which Indian state is called as 'God's own country'?
(A) Kerala (B) Rajasthan (C) Arunachal Pradesh (D) Orissa
- Q.5. Which Indian state is inhabited by 'Jaintiya tribes'?
(A) Arunachal Pradesh (B) Mizoram (C) Manipur (D) Meghalaya
- Q.6. _____ is also known as 'The Light of Asia'.
(A) Rumi (B) Buddha (C) Gandhi (D) Swami Vivekananda
- Q.7. Which of the following are the different types of Full Moons?
(A) Blood Moons (B) Supermoons (C) Blue Moons (D) All the above
- Q.8. By which process can sea water be purified?
(A) Evaporation (B) Fractional Distillation (C) Filtration (D) Distillation
- Q.9. Which technology is used to squeeze water from the soaked clothes in the washing machine?
(A) Evaporation (B) Decantation (C) Centrifugation (D) Sedimentation

- Q.10. A virus can spread through:
(A) Contaminated food or water
(B) Touch
(C) Coughing
(D) All the above
- Q.11. After which period virus replicates in the body and starts to affect the host?
(A) Incubation period
(B) Uncoating
(C) Penetration
(D) None of the above
- Q.12. What is the chemical name of Baking soda?
(A) Sodium Chloride
(B) Sodium Bi carbonate
(C) Sodium Carbonate
(D) Calcium Chloride
- Q.13. Fungi are plants that lack:
(A) Oxygen (B) Carbon dioxide (C) Chlorophyll (D) None of these
- Q.14. Who has won the Asian T 20 women cricket tournament in 2022?
(A) India (B) Srilanka (C) Bangladesh (D) Pakistan
- Q.15. Jabalpur is headquarter of
(A) West Central Railway
(B) South western railway
(C) South Central railway
(D) Eastern railway
- Q.16: Which organ of the body produces the fluid known as bile?
(A) Liver (B) Pancreas (C) Gall bladder (D) Kidney
- Q.17: What is the average rate of the heart beats (per minute) in an adult?
(A) 60 (B) 72 (C) 84 (D) 96
- Q.18. Who hoists the flag on Independence Day at Red Fort?
(A) Prime Minister (B) President (C) Vice President (D) Chief Justice
- Q.19. Who is India's President?
(A) V.V.Giri (B) Droupadi Murmu (C) Radha Krishnan (D) Zakhir Hussain
- Q.20. When is 'Kargil Vijay Diwas' celebrated every year across India?
(A) 26 July (B) 23 Aug (C) 25 June (D) 27 May
- Q.21: What is the head quarter of South Central Railway.
(A) Gandhi Nagar (B) Secundarabad (C) Mangaluru (D) Bangaluru

- Q 22: India's Longest Railway platform _____.
(A) Karagpur (B) Mumbai (C) Hyderabad (D) Jaipur
- Q 23: The Chola dynasty was an ancient Tamil Kingdom along the banks of the river
(A) Kaveri (B) Krishna (C) Godavari (D) Mahanadi
- Q 24: Which of the following was called as "Dandi of Tamil Nadu"
(A) Thirunelveli (B) Vedaranyam (C) Mahabalipuram (D) Cuddalore
- Q 25: The earliest and greatest Tamil epic "Silappatikaram" was written by
(A) Tiruvalluvara (B) Sattanar (C) Kapilar (D) Ilango Adigal
- Q.26: Energy is provided by
(A) Protien (B) Carbohydrates (C) Fats (D) Minerals
- Q.27: 'Ponniyin Selvan' Tamil novel was written by
(A) Sandilyan (B) Kalki (C) Jeyamohan (D) Jeykanthan
- Q.28: Constitution of India came into effect from?
(A) 15 august 1947
(B) 15 January 1948
(C) 10 August 1950
(D) 26 January 1950
- Q.29. Who is the Governor of Tamilnadu?
(A) C.Rengarajan (B) B.Y.Reddy (C) Bimal Jalan (D) R.N.Ravi
- Q.30: The first case of novel corona virus in India was identified in
(A) Kerala (B) Goa (C) Punjab (D) Odisha
- Q.31 Mariyappan Thangavelu and Sharad Kumar, who won medals in the Tokyo Paralympics, are associated with which sports?
[A] Weight Lifting
[B] Shooting
[C] High Jump
[D] Javelin Throw
- Q.32: Which is India's National tree?
(A) Banyan tree (B) Guava (C) Grape (D) Banana
- Q.33: The study of plants, animals, microbes and other life forms around us is called
[A] Micro Biology [B] Botany [C] Biology [D] Zoology
- Q.34: In which game Neeraj Chopra won Gold medal for India in Tokyo 2020 Olympic?
(A) Jawlin Throw (B) Swimming (C) Badminton (D) Tennis
- Q.35: Which country is the ex soviet union constituent ?
(A) France (B) Poland (C) Bulgaria (D) Georgia

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: PERFECT

- (A) defect (B) complete (C) imperfect (D) ugly

Q.39: ARTISAN

- (A) ignorant villager
(B) unskilled labour
(C) skilled sculptor
(D) learned person

Q.40: AMATEURISH

- (A) skilled (B) professional (C) seasoned (D) trained

Fill in the Blanks with suitable words in the option:

Direction: Find in the blanks with correct Prepositions.

Q.41: My brother works — the town hall.

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

Q.42: We shall meet you — 6 o'clock.

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

Q.43: My father will retire from service — a year.

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

Q.44: Suganya 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: I am 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: I 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: I am angry — my sister.

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

DIRECTIONS: find Odd word from options

Q.51: Select the odd one out

- A. Hardware B. Keyboard C. Ink D. Monitor

Q.52: Select the odd one out

- A. Actor B. Director C. Camera man D. Micro Oven

Q.53: Select the odd one out

- A. Oranges B. Banana C. Apple D. Brinjal

Q.54: Select the odd one out

- A. Tiger B. Lion C. Hen D. Leopard

Q.55: Select the odd one out

- A. Nepal B. Bhutan C. Pakistan D. Japan

DIRECTIONS : Select the proper suffix.

Q.56: King

- A. en B. er C. hood D. dom

Q.57: Partner

- A. ship B. for C. ice D. dom

Direction: Select the correct spelt word.

Q 58: A. independance B. independence C. indipandence D. endependence

Q.59: A. Encourage B. Encorage C. Incorage D. Encurage

Q.60: A. Freedom B. Fredom C. Fridum D. Freedum

Part – III ARITHMATIC

- Q.61: Which of the following numbers is divisible by each one of 3, 7, 9 and 11?
(A) 639 (B) 2079 (C) 3791 (D) 37911
- Q.62: If 60% of $\frac{3}{5}$ of a number is 36 then the number is
(A) 80 (B) 100 (C) 75 (D) 90
- Q.63: The least number, which when divided by 12, 15, 20 and 54 leaves in each case a remainder of 8 is:
(A) 504 (B) 536 (C) 544 (D) 548
- Q.64: The HCF of two numbers is 8. Which one of the following can never be the their LCM
(A) 24 (B) 48 (C) 56 (D) 60
- Q.65: If $\sqrt{3^n} = 729$, then the value of n is:
(A) 6 (B) 8 (C) 12 (D) 10
- Q.66: The least among the following is :
(A) 0.2 (B) $(0.2)^2$ (C) 0.1 (D) $1 / 0.2$
- Q.67: $0.0169 \times ? = 1.69$
(A) 10 (B) 100 (C) 1000 (D) None of these
- Q.68: The average of five numbers is 27. If one number is excluded the average becomes 25. The excluded number is
(A) 25 (B) 27 (C) 30 (D) 35
- Q.69: The average of 11 numbers is 10.9. If the average of the first six numbers is 10.5 and that of the last six numbers is 11.4, then the middle number is ?
(A) 11 (B) 11.3 (C) 11.4 (D) 11.5
- Q.70: The sum ages of 5 children 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.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 sum of two numbers is $\frac{28}{25}$ of the first number. The second number is what percent of the first ?
(A) 12% (B) 14% (C) 16% (D) 18%
- Q.73. If 75% of a number is added to 75, then the result is the number itself. The number is
(A) 50 (B) 60 (C) 300 (D) 400
- Q.74. The largest 4-digit number exactly divisible by 88 is...
(A) 9944 (B) 9768 (C) 9988 (D) 8888
- Q.75. If one number is 80% of the older and 4 times the sum of their squares is 656, then the numbers are :
(A) 4, 5 (B) 8, 10 (C) 16, 20 (D) None of these

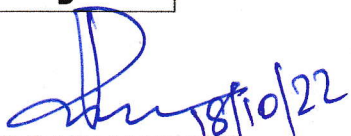
- Q.76. What smallest number should be added to 4456 so that the sum is completely divisible by 6 ?
(A) 4 (B) 3 (C) 2 (D) None of these
- Q.77: Ten years ago, A was half of B in age. If the ratio of their present ages is 3:4, what will be the total of their present ages?
(A) 20 years (B) 30 years (C) 45 years (D) None of these
- Q.78: A farmer travelled a distance 61 km in 9 hours. He travelled partly on foot @ 4 km/hr and partly on bicycle @ 9 km/hr. The distance travelled on foot is
(A) 14 km (B) 15 km (C) 16 km (D) 17 km
- Q.79: A train 240 m long passed a pole 24 seconds. How long will it take to pass a platform 650 m long ?
(A) 65 sec (B) 89 sec (C) 100 sec (D) 150 sec
- Q.80: 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.81: The speed of a boat in still water is 15 km/hr and the rate of current is 3 km/hr. The distance travelled downstream in 12 minutes is...
(A) 1.2 km (B) 1.8 km (C) 2.4 km (D) 3.6 km
- Q.82: 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.83. A train of length 150m takes 40.5 seconds to cross a tunnel of length 300 meters. What is the speed of the train in km/hr ?
(A) 13.33 (B) 26.67 (C) 40 (D) 66.67
- 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. A train 110m long passes a man, running at 6kmph in the direction opposite to that of the train, in 6 seconds. The speed of the train is ?
(A) 54 km/hr (B) 60 km/hr (C) 66 km/hr (D) 72 km/hr
- Q.87. A boat covers a certain distance downstream in 1 hour, while it comes back in 1.5 hours. If the speed of the stream be 3 kmph, what is the speed of the boat in still water ?
(A) 12 kmph (B) 13 kmph (C) 15 kmph (D) None of these

- Q.88: 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) 17 m (D) 20 m
- Q.89: 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.90: Total surface area of a cube whose side is 0.5 cm is
 (A) $1/4 \text{ cm}^2$ (B) $1/8 \text{ cm}^2$ (C) $3/4 \text{ cm}^2$ (D) $3/2 \text{ cm}^2$
- Q.91: The simple interest on a sum of money at 8% per annum for 6 years is half the sum. The sum is:
 (A) Rs. 4800 (B) Rs. 6000 (C) Rs. 8000 (D) Data inadequate
- Q.92: How many times are the hands of a clock at right angle in a day?
 (A) 22 (B) 24 (C) 44 (D) 48
- Q.93: The effective annual rate of interest corresponding to nominal rate of 6% per annum payable half-yearly is :
 (A) 6.06% (B) 6.07% (C) 6.08% (D) 6.09%
- Q.94. The breadth of a rectangular field is 60% of its length. If the perimeter of the field is 800m, what is the area of the field ?
 (A) 18750 Sq.m (B) 37500 Sq.m (C) 40000 Sq.m (D) 48000 Sq.m
- Q.95. The length of a rectangular hall is 5m more than its breadth. The area of the hall is 750 m^2 . The length of the hall is:
 (A) 15m (B) 22.5m (C) 25m (D) 30m
- Q.96. A cistern of capacity 8000 litres measures externally 3.3m by 2.6m by 1.1m and its walls are 5cm thick. The thickness of the bottom is :
 (A) 90cm (B) 1 dm (C) 1m (D) 1.1m
- Q.97. If the areas of the three adjacent faces of a rectangular block are 120 cm^2 , 72 cm^2 and 60 cm^2 respectively, then find the volume of the box.
 (A) 720 cm^2 (B) 864 cm^3 (C) 7200 cm^3 (D) $(72)^2 \text{ cm}^3$
- Q.98: The average of 7 consecutive numbers is 20. The largest numbers of these is?
 (A) 20 (B) 22 (C) 23 (D) 24
- Q.99 If the sum two numbers is 33 and their difference is 15, the smallest number is
 (A) 9 (B) 12 (C) 15 (D) 18
- Q.100: How many cubes of 3cm edge can be cut out of a cube of 18cm edge?
 (A) 36 (B) 216 (C) 218 (D) 432

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**THE KEY FOR THE QUESTION SET FOR THE WRITTEN EXAMINATION FOR SUITABILITY TEST FOR
GRADUATE CATEGORY UNDER COMPASSIONATE GROUNDS APPOINTMENT HELD ON 18.10.22**

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


 (R.SARAVANAN)
 Sr.DSO/TPJ
 (Question Setting Officer)