

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

**DATE : 15.02.2022**

**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
 

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|----------|----------------|---------------------|
| 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 capital of Tripura is....  
(A) Masoorie (B) Agartala (C) Nainital (D) None of these
- Q.2. The literacy rate of India is....  
(A) 57.86% (B) 65.38% (C) 63.98% (D) 61.34%
- Q.3. SAARC was formed in .....  
(A) 1982 (B) 1984 (C) 1985 (D) 1986
- 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. This river was also called the Ganges of the South, Name the river from the given options.  
(A) the Godavari (B) Cauvery (C) Krishna (D) None of these
- 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. In 2017 which Space Agency sends 104 satellites in a single mission?  
(A) China Space Agency (B) NASA (C) Russian Agency (D) ISRO

- 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 cooking salt?  
 (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. Which Mughal ruler was called 'Alamgir'?  
 (A) Akbar (B) Jahangir (C) Aurangzeb (D) Shah Jahan
- 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 Saliva?  
 A. Mouth B. Pancreas C. Gall bladder D. Kidney
- Q.17. When Indian Cricket Team won the second world cup?  
 (A) 2012 (B) 2011 (C) 2013 (D) 2010
- Q.18. Who hosts the flag on Independence Day at Red Fort?  
 (A) Prime Minister (B) President (C) Vice President (D) Chief Justice
- Q.19. Which of the following country is known as the 'Sugar Bowl of the World'?  
 (A) Brazil (B) Cuba (C) Mexico (D) Algeria
- 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. Capital of East Timor is....  
 (A) Dili (B) Kiev (C) Grozny (D) Bratislava
- Q 23: The Chola dynasty was an ancient Tamil Kingdom along the banks of the river  
 (A) Kaveri (B) Krishna (C) Godavari (D) Mahanadi
- Q24: 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: Growth is provided by  
 (A) Protien (B) Carbohydrates (C) Fats (D) Minerals

- Q.27: Viruses can be seen through only  
 (A) Microscope (B) Electron Microscope (C) Telescope (D) Periscope
- 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 Governor of Reserve Bank of India at present?  
 (A) C.Rengarajan (B) B.Y.Reddy (C) Bimal Jalan (D) Shaktikanta Das
- Q.30: The first case of novel corona virus was identified in  
 A. China B. India C. Singapore D. U.S.A
- Q.31: Who among the following can remove the Governor from his office?  
 (A) Parliament (B) State Legislative Assembly (C) President (D) none of these
- Q.32: Madai festival is the tribal festival of which state?  
 (A) Chhattisgarh (B) Karnataka (C) Andhra Pradesh (D) Madhya Pradesh
- 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) Javelin Throw (B) Swimming (C) Badminton (D) Tennis
- Q.35: Which country is the ex soviet union constituent ?  
 (A) France. (B) Poland (C) Bulgaria (D) Latvia

**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: MUTE  
 (A) Loud (B) immediate (C) Speechless (D) principal
- Q.37: IMITATE  
 (A) Pretend (B) Act (C) Dance (D) Repeat

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

- Q.38: PRUDENT  
 (A) Intelligent (B) Clever (C) Unwise (D) Ugly
- Q.39: SCARCITY  
 (A) Less (B) Abundance (C) Little (D) Big
- 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 Corporation office  
(A) in (B) on (C) at (D) by
- Q.42: He shall meet you — 6 o'clock.  
A. by B. at C. in D. during
- Q.43: My mother will retire from service — a year.  
A. of B. on C. in D. by
- Q.44: Sheela 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: I will think — the matter.  
A. for B. on C. at D. about
- Q.49: They came to live here — 1992.  
A. in B. at C. by D. on
- Q.50: He is 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. Paper D. Monitor
- Q.52: Select the odd one out  
A. Actor B. Director C. Camera man D. Teacher
- Q.53: Select the odd one out  
A. Oranges B. lemon C. Lime D. Banana
- Q.54: Select the odd one out  
A. Tiger B. Lion C. Deer D. Leopard
- Q.55: Select the odd one out  
A. Nepal B. Bhutan C. Pakistan D. Singapore

**DIRECTIONS: Select the proper suffix.**

- Q.56: Kind  
A. en B. er C. hood D. ness
- Q.57: Owner  
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. Transcendence B. Transcandance C. Transcendance D. Transendence

Q.60: A. Frustration B. Frusturation C. Frustration D. Frastration

**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) 10 (D) 12

Q.66: The least among the following is:  
(A) 0.2 (B)  $1 / 0.2$  (C) 0.2 (D)  $(0.2)^2$

Q.67:  $0.0169 \times ? = 1.3$   
(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:  $45\% \text{ of } 750 - 25\% \text{ of } 480 = ?$   
(A) 216 (B) 217.50 (C) 236.50 (D) 245

Q.72: 0.01 is what percent of 0.1?  
(A)  $1/100$  (B)  $1/10$  (C) 10 (D) 100

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. If loss is  $\frac{1}{3}$  of Selling Price, the loss percentage is ?  
 (A)  $16\frac{2}{3}\%$  (B) 20% (C) 25% (D)  $33\frac{1}{3}\%$
- Q.75. A and B can do a job together in 7 days. A is  $1\frac{3}{4}$  times as efficient as B. The same job can be done by A alone in ?  
 (A)  $9\frac{1}{3}$  days (B) 11 days (C)  $12\frac{1}{4}$  days (D)  $16\frac{1}{3}$  days
- Q.76. 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.77: If one number is 80% of the other 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.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: The simple interest on Rs.10 for 4 months at the rate of 3 paise per rupee per month is  
 (A) Rs 1.20 (B) Rs. 1.60 (C) Rs. 2.40 (D) Rs. 3.60
- Q.84: An aeroplane covers a certain distance at a speed of 240kmph in 5 hours. To cover the same distance in  $1\frac{2}{3}$  hours, it must travel at a speed of :  
 (A) 300 kmph (B) 360 kmph (C) 600 kmph (D) 720 kmph
- Q.85: At what rate of compound interest per annum will a sum of Rs. 1200 becomes Rs. 1348.32 in 2 years?  
 (A) 6% (B) 6.5% (C) 7% (D) 7.5%
- Q 86: 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 87: 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 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 sum of all two digit numbers divisible by 5 is  
 (A) 1035 (B) 1245 (C) 1230 (D) 945
- Q.95 The length of a rectangular hall is 5m more than its breadth. The area of the hall is  $750 \text{ m}^2$ . The length of the hall is:  
 (A) 15m (B) 22.5m (C) 25m (D) 30m
- Q.96: The least number by which 294 must be multiplied to make it a perfect square is  
 (A) 2 (B) 3 (C) 6 (D) 24
- Q.97 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.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 PAPER SET FOR THE WRITTEN EXAMINATION**  
**FORSUITABILITY TEST FOR GRADUATE CATEGORY UNDER COMPASSIONATE GROUNDS**  
**APPOINTMENT – on 15.02.2022**

| SL NO             | ANSWER | SLNO            | ANSWER | SLNO       | 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         | D      |
| 6                 | B      | 41              | C      | 66         | D      |
| 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                | A      | 47              | C      | 72         | C      |
| 13                | C      | 48              | D      | 73         | C      |
| 14                | C      | 49              | A      | 74         | C      |
| 15                | A      | 50              | D      | 75         | B      |
| 16                | A      | 51              | C      | 76         | A      |
| 17                | B      | 52              | D      | 77         | B      |
| 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         | A      |
| 24                | B      | 59              | A      | 84         | D      |
| 25                | D      | 60              | A      | 85         | A      |
| 26                | A      |                 |        | 86         | C      |
| 27                | B      |                 |        | 87         | B      |
| 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         | D      |
| 35                | D      |                 |        | 95         | D      |
|                   |        |                 |        | 96         | C      |
|                   |        |                 |        | 97         | A      |
|                   |        |                 |        | 98         | C      |
|                   |        |                 |        | 99         | A      |
|                   |        |                 |        | 100        | B      |

*[Handwritten Signature]*  
 Question Setting Officer  
 S.No. 102