

SUITABILITY TEST FOR GRADUATE CATEGORY UNDER
COMPASSIONATE GROUNDS APPOINTMENT
WRITTEN EXAMINATION

DATE: 10.11.2021

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 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. Which country is the first in the world to approve an oral pill 'Molnupiravir' to treat symptomatic Covid?
 (A) USA (B) UK (C) CHINA (D) RUSSIA
- 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 has the least literacy rate?
 (A) Bihar (B) Rajasthan (C) Arunachal Pradesh (D) Orissa
- Q.5. Which among the following can be measured with Anemometer?
 (A) Wind-Velocity (B) Water velocity (C) Sugar level (D) Blood pressure
- 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

- 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 cooking soda?
(A) Sodium Bi carbonate
(B) Sodium Chloride
(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 Bronze medal in recent Tokyo Olympics' 2021 badminton?
(A) Sania Mirza (B) Geeta Phogat (C) P V Sindhu (D) Sakshi Malik
- Q.15. Chennai is headquarter of
(A) Southern 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 averages rate of the heart beats (per minute) in an adult?
(A). 60 (B). 72 (C). 84 (D). 96
- 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. Who was India's first President?
(A) V.V.Giri (B) Rajendra Prasad (C) Radha Krishnan (D) Zakhir Hussain
- Q.20. Waterspout is a _____?
(A) Tornado (B) Cyclone (C) Depression (D) Hurricane
- Q.21: What is the head quarter of South Western Railway.
(A) Gandhi Nagar (B) Hubli (C) Mangaluru (D) Bangaluru
- Q.22. Which of the following countries does not have a border at Sea of Japan?
(A) North Korea (B) Japan (C) China (D) Russia
- 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

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- 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. Which planet is also called as the winter planet?
(A) Mercury (B) Venus (C) Mars (D) Jupiter
- Q.30: The first case of novel corona virus was identified in
A. China B. India C. Singapore D. U.S.A
- Q.31 Mariyappan Thangavelu who won medals in the Tokyo Paralympics, is associated with which sports?
[A] Weight Lifting
[B] Shooting
[C] High Jump
[D] Javelin Throw
- Q.32: Which is India's National Fruit?
(A) Mango (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: What is a relatively smaller body of standing water called?
(A) Lake (B) Pond (C) Ocean (D) River

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: SOLACE
(A) important (B) immediate (C) Consolation (D) principal
- Q.37: AMPLE
(A) Enough (B) less (C) Scarce (D) little

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

- Q.38: Intelligent
(A) Waste (B) Ugly (C) Stupid (D) Fool
- Q.39: Strong
(A) tender (B) Weak (C) Slender (D) Thin
- 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 friend 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: Geetha 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: He 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. Oracle D. Monitor
- Q.52: Select the odd one out
A. Actor B. Director C. Camera man D. Camera
- 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. 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 spell word.

- Q.58: A. indapendence 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. The sum of first five prime number is
 (A) 28 (B) 17 (C) 18 (D) 21
- 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 multiple of 7 which leaves a remainder of 4, when divided by 6, 9, 15 and 18 is
 (A) 74 (B) 94 (C) 184 (D) 364
- Q.64. The HCF of 204, 1190 and 1445 is
 (A) 24 (B) 48 (C) 56 (D) 17
- Q.65. $11\frac{1}{4} = 77/?$
 (A) 28 (B) $77/28$ (C) 44 (D) 308
- Q.66. $0.04 \times ? = 0.000016$
 (A) 0.04 (B) 0.004 (C) 0.0004 (D) 0.4
- Q.67. 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.68. The average of the first nine prime numbers is
 (A) 11 (B) $11\frac{3}{9}$ (C) $11\frac{2}{9}$ (D) $11\frac{1}{9}$
- Q.69: 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.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: 63% of $3\frac{4}{7}$ is
 (A) 2.40 (B) 2.25 (C) 2.50 (D) 2.75
- Q.72: 0.01 is what percent of 0.1?
 (A) $\frac{1}{100}$ (B) $\frac{1}{10}$ (C) 10 (D) 100
- Q.73: I gain 70 paise on Rs 70. My gain percent is ?
 (A) 1% (B) 0.1% (C) 7% (D) 10%
- 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. A is 30% more efficient than B. How much time will they, working together, take to complete a job which A alone could have done in 23 days
 (A) 11 days (B) 13 days (C) $20\frac{3}{17}$ days (D) None of these
- Q.77. 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) 11 min 20 sec (C) 13 min (D) 13 min 20 sec
- 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: A goods train at the speed of 72 kmph and crosses a 250 m long platform in 26 seconds. What is the length of the goods train?
 (A) 230 m (B) 240 m (C) 260 m (D) 270 m
- 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 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) 10
- 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: The rate at which a sum becomes four times of itself in 15 years at simple interest will be
 (A) 15% (B) 17 1/2% (C) 20% (D) 25%
- 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 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. 1352 (D) Rs. 1377
- Q 87: A rectangular plot is half as long again as it broad and its area is 2/3 hectares. Then its length is
 (A) 100 m (B) 33.33 m (C) 66.66 m (D) 78 m
- 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 swimming pool 9 m wide and 12 m long is 1 m deep on the shallow side and 4 m deep on the deeper side. Its volume is
 (A) 208 m³ (B) 270 m³ (C) 360 m³ (D) 408 m³
- Q.90: Total surface area of a cube whose side is 0.5 cm is
 (A) 1/4 cm² (B) 1/8 cm² (C) 3/4 cm² (D) 3/2 cm²
- Q.91: At what angle the hands of a clock are inclined at 15 minutes past 5?
 (A) 58 1/2° (B) 64° (C) 67 1/2° (D) 72 1/2°
- 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: A person invested in all Rs. 2600 at 4%, 6% and 8% per annum simple interest. At the end of the year, he got the same interest in all the three cases. The money invested at 4% is
 (A) Rs 200 (B) Rs. 600 (C) Rs. 800 (D) Rs. 1200
- Q.94 The sum of all two digit numbers divisible by 5 is
 (A) 1035 (B) 1245 (C) 1230 (D) 945

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- Q.95 The L.C.M of 3, 2.7 and 0.09 is?
(A) 2.7 (B) 0.27 (C) 0.027 (D) 27
- 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 What is the smallest number to be subtracted from 549162 in order to make it a perfect square
(A) 28 (B) 36 (C) 62 (D) 81
- 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: The capacity of a tank of dimensions (8m x 6m x 2.5m) is 84?
(A) 12000 litres (B) 1200 litres (C) 120000 litres (D) 120 litres

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दक्षिणरेलवे/Southern Railway

No.T/Safety/Selection/2021

मंडलकार्यालय/Divisional Office,
संरक्षाशाखा/Safety Branch,
तिरुचिरापल्ली/Tiruchirappalli.
दि. /Date: 10.11.2021

DPO/TPJ

Sub: Conducting Suitability test for Graduate category under
compassionate grounds appointment – Reg.

Ref: Sr.DPO/TPJ Con ltr no. T/PC.90/Gr.C/Suit. Test/CGA/NOV/2021
dt.29.10.2021

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One sealed cover containing the KEY for the Question Paper (Objective type) set for
the above suitability test conducted on 10.11.2021 is enclosed herewith for necessary
further action at your end please.

Encl: As above

R

SARAVANAN

(R.Saravanan)

Sr.DSO/TPJ

(Question Setting Officer)

Digitally signed by R Saravanan
DN: cn=R Saravanan, o=Southern Railway,
ou=Safety Branch, email=R.Saravanan@southernrailway.com, serial=1000000000,
date=2021.11.10 10:52:24 +05'30'

THE KEY
FOR THE QUESTION PAPER SET FOR THE WRITTEN EXAMINATION
FOR SUITABILITY TEST FOR GRADUATE CATEGORY UNDER COMPASSIONATE GROUNDS
APPOINTMENT – on 10.11.2021

SL NO	ANSWER	SL NO	ANSWER	SL NO	ANSWER
GENERAL KNOWLEDGE		GENERAL ENGLISH		ARITHMATIC	
1	B	36	C	61	A
2	B	37	A	62	B
3	C	38	C	63	D
4	A	39	B	64	D
5	A	40	B	65	A
6	B	41	C	66	C
7	D	42	B	67	A
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	A
14	C	49	A	74	C
15	A	50	D	75	B
16	A	51	C	76	B
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	B
23	A	58	B	83	A
24	B	59	A	84	C
25	D	60	A	85	A
26	A			86	C
27	B			87	A
28	D			88	C
29	D			89	B
30	A			90	D
31	C			91	C
32	A			92	C
33	C			93	D
34	A			94	D
35	B			95	D
				96	C
				97	D
				98	C
				99	A
				100	C


 Sr. DSO/TPJ
 Question Setting Officer