SUITABILITY TEST FOR GRADUATE CATEGORY UNDER COMPASSIONATE GROUNDS APPOINTMENT WRITTEN EXAMINATION

Date : 27.02.2025   Venue : Office of Sr.DEE/TRD/TPJ
Time : 14.30 Hrs.   Total Marks : 100

Instructions to Candidates

1. Question paper contains 100 objective questions for which candidates shall choose the best answer. The written examination will be conducted with OMR Answer sheets. There will be four options of answers A. B, C & D to each question, out of which one option has to be chosen as the answer.
2. The question paper contains 100 questions :
   a. Part I   -   Simple Arithmetic
   b. Part II   -   General English
   c. Part III -   General Knowledge
3. All questions are compulsory.
4. All questions carries 1 mark.
5. There shall be No Negative marks for wrong answers.
6. Since there are only objective questions, no corrections of any type is permitted, i.e. cutting, overwriting, erasing, scoring off a shaded answer in multiple choice and shading another answer. In case, any correction/overwriting is made, the answer shall not be evaluated at all.
7. The question paper consists of 8 pages. Candidates should check whether all pages are available before answering.
8. Candidates are instructed not to write his Name, Roll No. etc. in any portion of the answer sheet other than the space provided in the answer sheet. If the name of the candidate or roll number found in any other place other than the specified space, the answer sheet will not be valued.
9. Candidates are allowed to take the question papers with them after examination.

***** ALL THE BEST ****

Part – I (Simple Arithmetic)

1. A & B can finish a work in 10 days, B & C in 15 days and A & C in 20 days. In how many days would B alone can finish the work?
   A. 20   B. 24   C. 40   D. 60

2. 54 is to be divided into two parts such that the sum of 10 times the first and 22 limes the second is 780. The bigger part is:
   A. 34   B. 28   C. 32   D. 36

3. If in a certain language, MOON is coded as OMNO, how is STAR coded in that code?
   A. TARS   B. TRSA   C. ATSR   D. TSRA

4. The expenses of a person increases by Rs.10000 for every month in February and March. If his expenses in January was Rs.10000 Calculate hit average expenditure (in Rs.) from Jan to March.
   A. 20000   B. 15000   C. 10000   D. 25000

5. If average cost price of 40 pens is Rs.10 and average cost price of 30 pencils is Rs.2. If all items are sold for Rs.560, then the average selling price per article would be:
   A. Rs.8   B. Rs.7 C. Rs.7.50   D. Rs.10

6. The sum of two numbers is 56 and their LCM is 105. Find the numbers
   A. 34,22   B. 35,21   C. 7,49 D. 1,55

Contd...2

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7. Saina won 18 games out of 27 games played. Calculate the games lost in terms of decimal
   A. 0.333   B. 0.033   C. 0.50 D. 0.667

8. One quarter of one-seventh of a land is sold for Rs.30000. Calculate the value of eight thirty fifth of the land.
   A. 192000   B. 212000   C. 36404   D.152000

9. Simplify: (2/5 + 2/9) ÷ (2/5 + 5/9)
   A. 28/45   B. 28/43   C. 27/34   D. 7/17

10. P is 5ft tall and be notices that he casts a shadow that's 7 ft long. He then measures that the shadow cast by his school building is 42 ft long. How tail is the building?
    A. 50 ft   B. 36 ft   C. 30 ft   D. 32 ft

11. P is twice as good at Q. Together, they finish the task in 22 days. In how many days can Q alone do fee same work?
    A. 66 days   B. 22 days   C. 33 days   D. 99 days

12. The HCF and LCM of two numbers are 7 and 252 respectively. If one of the numbers is 28, find the other number.
    A. 232   B. 63   C. 126   D. 56

13. Squares of side 5 cm are cut off from the four corners of a rectangular sheet of dimensions 45 cm by 35 cm and an open box is made with the remaining sheet. What is the volume of the box?
    A. 1200 cm3   B. 875 cm3   C. 1325 cm3   D. 4375 cm3

14. If X 393 is divisible by 11, find the value of the smallest natural number X?
    A.5   B. 6   C. 7   D. 8

15. If the code for STUDENT is NVPFZPO then what is the code for TEACHER?
    A. OGVECGM B. OZVXCBM   C. VGCEJGT   D. VZCXJBT

16. A two digit number is four times the sum of its digits. If 27 is added to the number, it becomes seven times the sum of the digits. What is the two digit number?
    A. 24   B. 12   C. 48   D. 3

17. The area of a right triangle is 30 sq. m. Determine its base, if height exceeds the base by 7 m.
    A. 5m   B. 12 m   C. 7m   D. 9 m

18. If HEALTH = IDBKUG then HOSPITAL =
    A. IQUQKRBK   B. IMTNJRBJ   C. IPTQJUBM D. INTOJSBK

19. If COIL = 315912 and POLICE = 161512935, then PRICE =
    A. 1516824   B. 1517824   C. 1618935   D. 1718935

20. The sum of digits of a two-digit number it 13. When the digits are reversed, the number decreases by 27. Find the changed
    A.85   B. 76   C. 67   D. 58

21. 3.26 × 7.2 =
    A. 20.342   B. 23. 472   C. 22.012   D. 21.432

22. If A= 1 and EAT = 26, then SEAT =
    A. 45   B. 44   C. 46   D. 47

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23. What will Rs.80,000 amount to in 2 years at the rate of 20% p.a., if interest is compounded half yearly?
    A. Rs.97,240   B. Rs.115,200   C. Rs.117,128   D. Rs.120,000

24. If 18, x, 72 are in a continued proportion, find x.
   A. 36   B. 54   C. 18   D. 72

25. Choose the pair which is related in the same way as the words in the first pair from the given choices. UAE : DIRHAM:: KOREA: _____
   A. LERA   B. KYAT   C. WON   D. TAKA

26. Work together, A and B can do a piece of work in 40 days. The rate at which they work is in the ratio 8:5. How many days will A alone take to complete the work?
   A. 65 days   B. 40 days   C. 72 days   D. 104 days

27. A man is 26 years older than his son. Three years hence, he will be three times as old as his son. What is the present age of the father?
   A. 10 years   B. 36 years   C. 32 years   D. 40 years

28. Arjun, travelling from Pune to Goa, covers distance of 1000 km at 4 km/hr and the return journey at 3 km/hr. What was his average speed daring his entire journey?
   A. 3 km/hr   B. 3.43 km/hr   C. 3.5 km/hr   D. 3.4 km/hr

29. Compute: 4237.43 + 453.32 + 24.12 - 387.23
   A. 4327.64   B. 4646.64   C. 4676.64   D. 4587.64

30. When a natural number n is divided by 5 the remainder is 4. What is the remainder when 2n is divided by 5?
   A. 2   B. 3   C. 4   D. 0

31. What is the mean of the following distribution? 54, 23, 66, 44, 79, 21, 54, 67, 29, 59
   A. 51.4   B. 49.6   C. 48.7   D. 45.3

32. The ratio of the speeds of two trains is 3:4. If the second train runs 300 km in 3 hours then what would be the speed of the first train?
   A. 100 km/hr   B. 50 km/hr   C. 70 km/hr   D. 75 km/hr

33. Compute: 87654 × 99999
   A. 8766624336   B. 8765312346   C. 8857624336   D. 8656624426

34. Compute: 7/5 + 31/21 + 23/52
   A. 18339/5640   B. 18119/5460   C. 18330/4780   D. 18119/4780

35. If a/b = 1/4 ; b/c = 1/8 and a=2 then the value of c is-
   A. 8   B. 16   C. 32   D. 64

36. 20 pens and 46 pencils were purchased for Rs.235. If the average price of a pencil is Rs.2.50 then calculate the average price (in Rs.) of a pen.
   A. 6   B. 4   C. 8   D. 12

37. A man buys 10 oranges for Rs.3 and sells 8 for Rs.3. Calculate his gain percent.
   A. 20%   B. 25%   C. 27% D. 30 %

38. If 2x+3 = 9 then find the value of 3x+2
   A. 12   B. 16   C. 13   D. 11

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39. Compute of 33333 × 9999 =?
   A. 332396667   B. 333297667   C. 33329667   D. 333296667

40. If $a_2+b_2+c_2+3 = 2(a+b+c)_3$ then the value of $(a+b+c)$ is;
    A. 2   B. 5   C. 4   D. 3

Part – II (General English)

41. .... you often go there?
A) do   B) are   C) have   D) can

42. .... invite them to your parties?
A) have you   B) are you   C) do you   D) would you

43. .... she been told?
A) has   B) is   C) does   D) have

44. .... know what he wants?
A) Do you   B) Have you   C) Are you   D) Had you

45. Where .... they live?
A) do   B) are   C) have   D) will

46. .... you have a meeting on Monday?
A) do   B) are   C) have   D) will

47. .... you coming to the party?
A) Are   B) Do   C) Have   D) Can

48. .... you already invited them?
A) Have   B) Do   C) Are   D) Will

49. Why .... you listen to me?
A) aren't   B) don't   C) haven't   D) won't

50. Who .... you want to meet?
A) do   B) are   C) have   D) will

51. What .... you done to my camera?
A) are   B) have   C) do   D) will

52. Where .... she gone?
A) has   B) are   C) do   D) will

53. Did .... see you?
A) anybody   B) somebody   C) nobody   D) something

54. .... wanted a drink, didn't they?
A) anybody   B) somebody   C) nobody   D) something

55. .... came, did they?
A) anybody   B) somebody   C) nobody   D) something

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56. .... could happen there.
A) Something   B) Anything   C) Nothing   D) Anybody

57. Is .... in?
A) anybody   B) somebody   C) nobody   D) any body

58. Does .... know the answer?
A) anybody   B) somebody   C) nobody   D) something

59. .... needs to be done.
A) Something   B) Anything   C) Nothing   D) Anybody

60. I didn't see .... there.
A) anybody   B) somebody   C) nobody   D) something

61. Did .... pass the test?
A) anybody   B) somebody   C) nobody   D) something

62. Did she say ....?
A) Something   B) Anything   C) Nothing   D) Anybody

63. You didn't eat ....
A) Something   B) Anything   C) Nothing   D) Anybody

64. Try and eat .... You will feel better.
A) Something   B) Anything   C) Nothing   D) Anybody

65. She is not .... she looks.
A) so old as   B) as old as   C) little old as   D) Either could be used here

66. She is .... you think.
A) older than   B) so older than   C) as older as   D) little older as

67. The journey took .... we expected.
A) longer than   B) as longer as   C) longer then   D) as longer than

68. She sings .... me.
A) better than   B) as better as   C) better then   D) as better than

69. I don't sing .... her.
A) as well as   B) as good as   C) so well as   D) none of these

70. She doesn't work .... I do.
A) as hard as   B) more hard as   C) as harder as   D) most hard as

Part – III (General Knowledge)

71. What is the largest lake in the world?
   A) Caspian Sea
   B) Baikal
   C) Lake Superior
   D) Ontario

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72. Which planet in the solar system is known as the "Red Planet"?
   A) Venus
   B) Earth
   C) Mars

D) Jupiter

73. Who wrote the novel "War and Peace"?
   A) Anton Chekhov
   B) Fyodor Dostoevsky
   C) Leo Tolstoy
   D) Ivan Turgenev

74. What is the capital of Japan?
   A) Beijing
   B) Tokyo
   C) Seoul
   D) Bangkok

75. Which river is the longest in the world?
   A) Amazon
   B) Mississippi
   C) Nile
   D) Yangtze

76. What gas is used to extinguish fires?
   A) Oxygen
   B) Nitrogen
   C) Carbon dioxide
   D) Hydrogen

77. What animal is the national symbol of Australia?
   A) Kangaroo
   B) Koala
   C) Emu
   D) Crocodile

78. Which of the following planets is not a gas giant?
   A) Mars
   B) Jupiter
   C) Saturn
   D) Uranus

79. What is the name of the process by which plants convert sunlight into energy?
   A) Respiration
   B) Photosynthesis
   C) Oxidation
   D) Evolution

80. What chemical element is designated as "Hg"?
   A) Silver
   B) Tin
   C) Copper
   D) Mercury

81. For which of these disciplines Nobel Prize is awarded?
   A) Physics, Chemistry
   B) Physiology
   C) Medicine
   D) All of the above

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82. Hitler's party is known as:
   A) Labour Party
   B) Nazi Party
   C) Ku-Klux-Klan

D) Democratic Party

83. For which Galileo is famous?
   A) Developed the telescope
   B) Discovered four satellites of Jupiter
   C) Found that the swinging motion of the pendulum results in consistent time measurement.
   D) All of the above

84. Ecology deals with
   A) Birds
   B) Cell formation
   C) Relation between organisms and their environment
   D) Tissues

85. What is the official currency of Japan?
   A) Won
   B) Yuan
   C) Yen
   D) Dollars

86. What is considered the lung of the Earth?
   A) Amazon rainforest
   B) The Mississippi River
   C) The Sahara
   D) Everest

87. Where does the Sushi come from?
   A) Japan
   B) China
   C) America
   D) South Korea

88. How many bones are in the body of an adult human?
   A) 330
   B) 206
   C) 250
   D) 210

89. What element is the main constituent of diamonds?
   A) Carbon
   B) Oxygen
   C) Silver
   D) Gold

90. Which organ in the human body is responsible for the secretion of bile?
   A) Liver
   B) Kidneys
   C) Spleen
   D) Stomach

91. Which planet in the solar system is known as the "Morning Star" or "Evening Star"?
   A) Mars
   B) Venus
   C) Mercury
   D) Jupiter

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92. What chemical element is designated as "Cu"?
   A) Zinc
   B) Copper
   C) Cobalt

D) Kurtz

93. In which country did the Chernobyl nuclear disaster take place?
   A) Russia
   B) Ukraine
   C) Belarus
   D) Lithuania

94. Which organ in the human body is responsible for secreting insulin?
   A) Liver
   B) Kidneys
   C) Pancreas
   D) Stomach

95. What chemical element is used in the production of steel products?
   A) Copper
   B) Iron
   C) Tin
   D) Silver

96. What chemical element is the main component of human bones and teeth?
   A) Calcium
   B) Iron
   C) Sodium
   D) Magnesium

97. Which organ in the human body is responsible for filtering blood and producing urine?
   A) Heart
   B) Liver
   C) Kidneys
   D) Spleen

98. Which planet in the solar system has the largest diameter?
   A) Mercury
   B) Venus
   C) Earth
   D) Jupiter

99. What chemical element is used in the manufacture of batteries?
   A) Lead
   B) Copper
   C) Aluminum
   D) Lithium

100. What type of radiation allows X-ray examinations?
   A) Ultrasound
   B) Radioactivity
   C) Infrared
   D) X-ray

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Key for Suitability Test for Graduate level Category under CG Appointment written examination conducted on 27.02.2025

Part – I (Simple Arithmetic)

1.	B)	24
2.	A)	34
3.	D)	TSRA
4.	A)	20000
5.	A)	Rs.8
6.	B)	35,21
7.	A)	0.333
8.	A)	192000
9.	B)	28/43
10.	C)	30 ft
11.	C)	33 days
12.	B)	63
13.	D)	4375 cm3
14.	D)	8
15.	A)	OGVECGM
16.	D)	3
17.	A)	5m
18.	D)	INTOJSBK
19.	C)	1618935
20.	D)	58
21.	B)	23. 472
22.	A)	45
23.	B)	Rs.115,200
24.	A)	36
25.	C)	WON
26.	A)	65 days
27.	B)	36 years
28.	B)	3.43 km/hr
29.	A)	4327.64
30.	B)	3
31.	B)	49.6
32.	D)	75 km/hr
33.	B)	8765312346
34.	B)	18119/5460
35.	D)	64
36.	A)	6
37.	A)	20%
38.	D)	11
39.	D)	333296667
40.	D)	3

Part – II (General English)

41.	A)	do
42.	C)	do you
43.	A)	has
44.	A)	Do you
45.	A)	do
46.	A)	do
47.	A)	Are
48.	A)	Have
49.	B)	don't
50.	A)	do

51. B) have
52. A) has
53. A) anybody
54. B) somebody
55. C) nobody
56. B) Anything
57. A) anybody
58. A) anybody
59. A) Something
60. A) anybody
61. A) anybody
62. B) Anything
63. B) Anything
64. A) Something
65. B) as old as
66. A) older than
67. A) longer than
68. A) better than
69. A) as well as
70. A) as hard as

Part – III (General Knowledge)

71. B) Baikal
72. C) Mars
73. C) Leo Tolstoy
74. B) Tokyo
75. C) Nile
76. B) Nitrogen
77. A) Kangaroo
78. A) Mars
79. B) Photosynthesis
80. D) Mercury
81. D) All of the above
82. B) Nazi Party
83. D) All of the above
84. C) Relation between organisms and their environment
85. C) Yen
86. A) Amazon rainforest
87. A) Japan
88. B) 206
89. A) Carbon
90. A) Liver
91. B) Venus
92. B) Copper
93. B) Ukraine
94. C) Pancreas
95. B) Iron
96. A) Calcium
97. C) Kidneys
98. D) Jupiter
99. D) Lithium
100. D) X-ray