



QUESTION BOOKLET

Suitability Test for NTPC/Skilled Artisan Category Under
Compassionate Grounds Appointment

Date of Examination: 12/12/2022

Time : 11:00 hrs. to 13:00 hrs

Marks : 100

INSTRUCTIONS TO CANDIDATES:

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 – General Knowledge
 - Part II – General English
 - Part III – Mathematics
3. All questions are compulsory.
4. Each question carries 1 mark.
5. There shall be no negative mark for wrong answers.
6. Think well before you write your choice of answer. No corrections/Over writings are permitted. If found, the same will not be evaluated.
7. The question paper consists of 9 pages. Candidates should check whether all pages are available before answering.
8. Any unattended page in the answer sheet must be clearly striked out.
9. Choice of answer should be written in capital letter. For example, A, B, C, D etc

PART - I (GENERAL KNOWLEDGE)

1.	What is the name of the lake between the Godavari and Krishna river deltas near the city of Eluru in Andhra Pradesh?			
	A. Sudarshana lake	B. Pichola Lake	C. Kolleru Lake	D. Loktak Lake
2.	Which of the following animal is found in the forests of Darjeeling?			
	A. Red Panda	B. Wild Ass	C. Zebra	D. Olive Ridley Turtle
3.	For which book Rabindra Nath Tagore received the Noble Prize ?			
	A. Gora	B. Geetanjali	C. Gitimalya	D. Ghare Baire
4.	In which of the following period was 'Suez Canal', one of the most important trade routes in the world opened?			
	A. 1841-50	B. 1851-60	C. 1861-70	D. 1871-80
5.	The only planet of the solar system which rotates from east to west is :-			
	A. Saturn	B. Jupiter	C. Venus	D. Neptune
6.	Maginot line exists between which country?			
	A. Namibia and Angola	B. USA and Canada	C. France and Germany	D. Germany and Poland
7.	Which among the following is a warm ocean current of the Pacific Ocean?			
	A. Kuroshio Current	B. Humboldt Current	C. Canaries Current	D. Labrador Current
8.	The disease Scurvy is caused due to the deficiency of which vitamin?			
	A. Vitamin B	B. Vitamin C	C. Vitamin A	D. Vitamin D
9.	The disease Cataract affects which part of our body?			
	A. Kidney	B. Heart	C. Lungs	D. Eye
10.	Lohri, the harvest festival, is celebrated in which Indian state?			
	A. Assam	B. Meghalaya	C. West Bengal	D. Punjab
11.	Which vitamin helps in clotting of blood in our body?			
	A. Vitamin K	B. Vitamin B5	C. Vitamin D	D. Vitamin B1
12.	Which Mughal Emperor was defeated by Sher Shah Suri?			
	A. Babur	B. Humayun	C. Akbar	D. Jahangir
13.	Who is the chief architect of the Indian Constitution?			
	A. Bhimrao Ambedkar	B. Indira Gandhi	C. Jawaharlal Nehru	D. Rajendra Prasad

14.	Who is also known as the Iron Man of India?						
A.	Subhas Chandra Bose	B.	Lal Bahadur Shastri	C.	Sardar Vallabhbhai Patel	D.	Bhagat Singh
15.	In which year did the Quit India Movement start?						
A.	1945	B.	1930	C.	1939	D.	1942
16.	Who won a gold medal at the Peru Para-Badminton International Championship in December 2022?						
A.	Sukant Kadam	B.	Shiva Thapa	C.	Satwiksairaj Rankireddy	D.	Sagar Dangi
17.	_____ to host Cricket World Cup 2023.						
A.	England	B.	Australia	C.	South Africa	D.	India
18.	Kaziranga National Park is situated in which state?						
A.	Madhya Pradesh	B.	Gujarat	C.	Punjab	D.	Assam
19.	Who is known as the inventor of Computer?						
A.	Charles Babbage	B.	Roger Bacon	C.	Joseph Aspdin	D.	Tim Treling
20.	Which of the following is not a Union Territory						
A.	Ladakh	B.	Chandigarh	C.	Jammu and Kashmir	D.	Sikkim
21.	Name the language that is widely spoken by the people residing in Kerala.						
A.	Oriya	B.	Hindi	C.	Konkani	D.	Malayalam
22.	"The Little Book of Joy" is authored by whom?						
A.	Dalai Lama	B.	Meghna Pant	C.	JK Rowling	D.	Amitav Ghosh
23.	Name the first Prime Minister of India who served the office (15 August 1947 – 27 May 1964) until his death.						
A.	Gulzarilal Nanda	B.	Jawaharlal Nehru	C.	Rajendra Prasad	D.	Lal Bahadur Shastri
24.	Which river is also known as Dakshin Ganga?						
A.	Krishna	B.	Cauvery	C.	Godavari	D.	Mahanadi
25.	Which of the following are two major components of dry air(by volume)?						
A.	Nitrogen and Oxygen	B.	Oxygen and Argon	C.	Nitrogen and Ammonia	D.	Oxygen and Carbon-dioxide
26.	_____ Express is India's first private train operated by IRCTC.						
A.	Ahmedabad - Mumbai Tejas express	B.	Lucknow - New Delhi Tejas Express	C.	Tejas Rajdhani	D.	Mumbai CSMT-Karmali Tejas Express
27.	Where is the headquarters of South Western Railway?						
A.	Chennai	B.	Secunderabad	C.	Kolkata	D.	Hubli

28.	Who tabled the Economic Survey 2021 in the Parliament?						
A.	Prime Minister- Narendra Modi	B.	Finance Minister - Nirmala Sitharaman	C.	Health Minister - Dr. Harsh Vardhan	D.	Vice President - Venkaiah Naidu
29.	In which sector did the union minister launch the 'Single Window Clearance System' ?						
A.	Coal Mines	B.	DISCOMs	C.	Steel Plants	D.	Copper Mines
30.	'National Safety Council' was set up by which Union Ministry?						
A.	Ministry of Health and Family welfare	B.	Ministry of Labour	C.	Ministry of Commerce and Industry	D.	Ministry of Heavy Industries

PART – II (GENERAL ENGLISH)

31.	Which of the given below words spelt correctly?						
A.	Pesanger	B.	Passenger	C.	Pessenger	D.	Pasanger
32.	Which of the given below words spelt correctly?						
A.	Forcast	B.	Forcaste	C.	Forecast	D.	Forecaste
33.	<i>Fill in the blanks with the correct pronoun from the given options.</i> Sarah wanted Elisa to follow						
A.	she	B.	they	C.	I	D.	her
34.	<i>Fill in the blanks with the correct pronoun from the given options.</i> Hari and Ravi would like to inviteto the party too.						
A.	you	B.	I	C.	they	D.	she
35.	<i>Fill in the blanks with the proper tense from the given options.</i> The windows after I cleaned them yesterday.						
A.	sparkle	B.	sparkled	C.	sparkling	D.	will sparkle
36.	<i>Fill in the blanks with the proper tense from the given options.</i> I the work before you asked me about it.						
A.	had completed	B.	completed	C.	complete	D.	have completed
37.	<i>Fill in the blanks with the appropriate word from the given options.</i> The pen isthan the sword.						
A.	might	B.	mighty	C.	mightily	D.	mightier
38.	<i>Fill in the blanks with the appropriate word from the given options.</i> Do we havefood for a fortnight?						
A.	any	B.	sufficient	C.	indeed	D.	many
Fill in the blanks (39-43)							
39.	We met European girl in Rishikesh.						
A.	an	B.	a	C.	the	D.	in

40.old man wanted to see you in the morning.			
	A. An	B. A	C. Is	D. The
41.	Reading isgood habit.			
	A. the	B. in	C. a	D. an
42.market will remain closed for two days.			
	A. The	B. A	C. An	D. Is
43.ink in my pen is red.			
	A. A	B. Is	C. An	D. The
<i>Select the English word which is nearer to the meaning - Synonym</i>				
44.	Abandon			
	A. Excitement	B. Hold	C. Respond	D. Desert
45.	Intuition			
	A. Curse	B. Instinct	C. Depression	D. Dimension
46.	Ignore			
	A. Disregard	B. Accept	C. Give	D. Complete
47.	Nourish			
	A. Courage	B. Read	C. Nurture	D. Remain
48.	Vibrant			
	A. Dynamic	B. Raise	C. Stable	D. Stay
49.	Gather			
	A. Refuse	B. Assemble	C. Decline	D. Reject
<i>Select the English word which is opposite to the meaning – Antonym</i>				
50.	Companion			
	A. Friend	B. Escort	C. Opponent	D. Buddy
51.	Vanish			
	A. Fade	B. Go	C. Lighten	D. Appear
52.	Relevant			
	A. Unrelated	B. Significant	C. Appropriate	D. Important
53.	Callous			
	A. Compact	B. Hardened	C. Heartless	D. Soft
54.	Impede			
	A. Obstruct	B. Delay	C. Facilitate	D. Hinder
55.	Distill			
	A. Refine	B. Dilute	C. Purify	D. Condense

PART - III (ARITHMETIC)

56.	Average of the first five multiples of 9 is			
	A. 20	B. 27	C. 30	D. 36
57.	Solve $240 \div 8 + 2$			
	A. 24	B. 32	C. 36	D. 34
58.	The product of $121 \times 0 \times 200 \times 25$ is			
	A. 15000	B. 4000	C. 0	D. None of these
59.	The speed of the train going from Nagpur to Allahabad is 100 kmph while when coming back from Allahabad to Nagpur, its speed is 150 kmph. find the average speed for whole journey.			
	A. 100 kmph	B. 120 kmph	C. 150 kmph	D. 125 kmph
60.	Find the rate of interest if the amount after 2 years of simple interest on a capital of Rs. 1200 is Rs. 1440.			
	A. 8%	B. 9%	C. 10%	D. 12%
61.	Rs. 1200 is lent out at 5% per annum simple interest for 3 years. Find the amount after 3 years.			
	A. Rs.1380	B. Rs.1290	C. Rs.1470	D. Rs.1200
62.	Three numbers are in ratio 1 : 2 : 3 and HCF is 12. The numbers are:			
	A. 12,24,36	B. 11,22,33	C. 12,24,32	D. 5,10,15
63.	Two numbers are in the ratio 3 : 4. If their LCM is 240, the smaller of two number is			
	A. 100	B. 80	C. 60	D. 50
64.	Solve the linear equation			
	$\frac{1}{5}(10x - 20) = x - 3$			
	A. -1	B. 17	C. 3	D. 1
65.	The formula for the perimeter of a rectangle is given by $P = 2l + 2w$, where l is the length and w is the width. Assume the perimeter of a rectangular plot of land is 480 m. The length is twice the width. Find the length of the rectangular plot of land.			
	A. 80m	B. 120m	C. 160m	D. 240m
66.	The Pythagorean Theorem for a right triangle is $a^2 + b^2 = c^2$, where a and b are the legs of the triangle and c is its hypotenuse. The shorter leg is 10 cm less than the other leg, and the hypotenuse is 10 cm longer than that other leg. What is the length of the hypotenuse?			
	A. 30cm	B. 40cm	C. 50cm	D. 60cm
67.	Write the equation of the line passing through the point $(-3,7)$ with slope zero.			
	A. $x = -3$	B. $y = -3$	C. $x = 7$	D. $y = 7$
68.	Which of the following pairs of points has slope $2/9$?			
	A. $(1,3)$ and $(2,-7)$	B. $(1,2)$ and $(3,-7)$	C. $(2,3)$ and $(-7,1)$	D. $(3,1)$ and $(-7,2)$

69.	Solve the following absolute value equation. $ 2x + 11 = 7$						
A.	{-2}	B.	{-9}	C.	{-2,-9}	D.	No solutions
70.	Solve the following equation $\sqrt{3x + 13} = x + 1$						
A.	{-3}	B.	{-4}	C.	{-3, 4}	D.	No solution
71.	A car dealership uses the linear model $y = -11000x + 250000$ to predict the depreciation of car values(in Rs) as time progresses. If x is how old the vehicle is in years and y is the current value of the vehicle(in Rs), what will the value of the vehicle be 5 years after purchase?						
A.	Rs.184000	B.	Rs.195000	C.	Rs.227000	D.	Rs.239000
72.	The side of an equilateral triangle is $\frac{1}{2}$ cm. The perimeter of the triangle is						
A.	1 cm	B.	2cm	C.	$\frac{3}{2}$ cm	D.	$\frac{1}{8}$ cm
73.	What is $\frac{1}{4}$ of $5\frac{1}{3}$?						
A.	$\frac{1}{3}$	B.	$\frac{2}{3}$	C.	$\frac{4}{3}$	D.	$\frac{5}{12}$
74.	1.44 ÷ 1.2 is equal to						
A.	1.2	B.	12	C.	0.12	D.	1.12
75.	The ratio of the measures of the three angles of a triangle is 2 : 3 : 4. The measure of the largest angle is						
A.	80°	B.	50°	C.	40°	D.	180°
76.	Which of the following cannot be the sides of a right triangle?						
A.	2cm,2cm,4cm	B.	5cm,12cm,13cm	C.	6cm,8cm,10cm	D.	3cm,4cm,5cm
77.	Which is the smallest 4-digit perfect square?						
A.	1024	B.	1025	C.	1000	D.	1016
78.	How many digits will be there in the cube root of 46656?						
A.	2	B.	1	C.	3	D.	4
79.	How many vertices does a pyramid with square base have?						
A.	5	B.	4	C.	3	D.	6
80.	The cost of the article was Rs. 15500 and Rs. 500 was spent on its repairing. If it is sold for a profit of 15%. The selling price of the article is:						
A.	Rs.16400	B.	Rs.17400	C.	Rs.18400	D.	Rs.19400
81.	$\sqrt[4]{\sqrt[3]{3^2}}$ Equals:						
A.	$\frac{-1}{3^6}$	B.	$\frac{1}{3^6}$	C.	3^{-6}	D.	3^6

82.	The value of $\sqrt[4]{(16)^{-2}}$						
A.	1/4	B.	1/2	C.	4	D.	1/16
83.	The linear equation $3x-11y=10$ has						
A.	Unique solution	B.	Two solutions	C.	Infinitely many solutions	D.	No solutions
84.	The graph of the linear equation $5x + 3y = 10$ is a line which meets the x-axis at the point:						
A.	(0,3)	B.	(3,0)	C.	(2,0)	D.	(0,2)
85.	If ABCD is a trapezium in which $AB \parallel CD$ and $AD = BC$, then:						
A.	$\angle A = \angle B$	B.	$\angle A > \angle B$	C.	$\angle A < \angle B$	D.	None of the above
86.	If a triangle and a parallelogram are on the same base and between same parallels, then the ratio of the area of the triangle to the area of the parallelogram will be:						
A.	1:2	B.	3:2	C.	1:4	D.	1:3
87.	A dice is thrown. The probability of getting 2 or 6 is:						
A.	1/6	B.	2/3	C.	1/3	D.	1/2
88.	The probability of drawing an ace card from a deck of cards is:						
A.	1/52	B.	1/26	C.	4/13	D.	1/13
89.	The median of the data: 155 160 145 149 150 147 152 144 148 is						
A.	149	B.	150	C.	147	D.	144
90.	The mean of the data 2, 3, 4, 5, 0, 1, 3, 3, 4, 3 is						
A.	2.3	B.	2.6	C.	2.8	D.	2.9
91.	If the radius of a cylinder is 4cm and height is 10cm, then the total surface area of a cylinder is:						
A.	440 sq.cm	B.	352 sq.cm	C.	400 sq.cm	D.	412 sq.cm
92.	The surface area of a sphere of radius 14 cm is:						
A.	1386 sq.cm	B.	1400 sq.cm	C.	2464 sq.cm	D.	2000 sq.cm
93.	The sides of a triangle are 122 m, 22 m and 120 m respectively. The area of the triangle is:						
A.	1320 sq.m	B.	1300 sq.m	C.	1400 sq.m	D.	1420 sq.m
94.	A man covers half of his journey at 6 km/h and the remaining half at 3 km/h. His average speed is						
A.	9 km/h	B.	4.5 km/h	C.	4 km/h	D.	3 km/h
95.	A runs twice as fast as B and B runs thrice as fast as C. The distance covered by C in 72 minutes, will be covered by A in:						
A.	18 minutes	B.	24 minutes	C.	16 minutes	D.	12 minutes
96.	A man starts climbing a 11 m high wall at 5 pm. In each minute he climbs up 1 m but slips down 50 cm. At what time will he climb the wall?						
A.	5:30 PM	B.	5:21 PM	C.	5:25 PM	D.	5:27 PM

97.	The area of the circle that can be inscribed in a square of side 8 cm is							
	A.	$36\pi \text{ cm}^2$	B.	$16\pi \text{ cm}^2$	C.	$12\pi \text{ cm}^2$	D.	$9\pi \text{ cm}^2$
98.	The area of the square that can be inscribed in a circle of radius 8 cm is							
	A.	256 sq.cm	B.	128 sq.cm	C.	642 sq.cm	D.	64 sq.cm
99.	Given that the mode and mean as 7 and 8, respectively. Then the median is:							
	A.	1/13	B.	13/3	C.	23/3	D.	33
100	A flashlight has 8 batteries out of which 3 are dead. If two batteries are selected without replacement and tested, the probability that both are dead is							
	A.	33/56	B.	9/64	C.	1/14	D.	3/28

**Answer Key of Suitability Test for NTPC/Skilled Artisan Category Under
Compassionate Grounds Appointment Dated 12/12/2022**

1	C	31	B	61	A	91	B
2	C	32	C	62	C	92	C
3	C	33	D	63	C	93	A
4	C	34	A	64	D	94	C
5	C	35	B	65	C	95	D
6	C	36	A	66	C	96	B
7	A	37	D	67	D	97	B
8	C	38	B	68	C	98	B
9	D	39	B	69	C	99	C
10	D	40	A	70	C	100	D
11	A	41	C	71	B		
12	B	42	A	72	C		
13	A	43	D	73	C		
14	C	44	D	74	A		
15	D	45	B	75	A		
16	A	46	A	76	A		
17	D	47	C	77	D		
18	D	48	A	78	A		
19	A	49	B	79	A		
20	D	50	C	80	C		
21	D	51	D	81	B		
22	A	52	A	82	B		
23	B	53	D	83	C		
24	C	54	C	84	C		
25	A	55	B	85	A		
26	B	56	B	86	A		
27	D	57	B	87	C		
28	B	58	C	88	D		
29	A	59	B	89	A		
30	B	60	C	90	C		


 मं.बि.इंजी./टीआरडी/तिरुच्चिराप्यल्लि
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