



## QUESTION BOOKLET

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

**Date of Examination: 10/03/2023**

**Time : 10:00 hrs. to 12:00 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

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**PART – I (GENERAL KNOWLEDGE)**

1.	Walker Cup is associated with which sport?							
	A.	Cricket	B.	Golf	C.	Football	D.	Tennis
2.	Ellora Caves is a UNESCO world heritage site located in							
	A.	Maharashtra	B.	Andhra Pradesh	C.	Karnataka	D.	Tamil Nadu
3.	The capital of Gujarat state is .....							
	A.	Mumbai	B.	Chennai	C.	Gandhinagar	D.	Kolkata
4.	Where does the Palk Strait lies?							
	A.	Sri Lanka and Maldives	B.	India and Sri Lanka	C.	India and Maldives	D.	Both A&B
5.	Which animal is called the “Ship of the Desert”?							
	A.	Elephant	B.	Tiger	C.	Camel	D.	Kangaroo
6.	Which state is called as the Land of five Rivers?							
	A.	Punjab	B.	Bihar	C.	West Bengal	D.	Assam
7.	Which of the following country have common frontier with the Indian State like Uttarakhand, Uttar Pradesh, Bihar, West Bengal and Sikkim?							
	A.	China	B.	Nepal	C.	Bhutan	D.	Myanmar
8.	Neeraj Chopra won Gold medal in Olympics 2021 in .....							
	A.	Javelin Throw	B.	Weight Lifting	C.	Boxing	D.	Wrestling
9.	Telephone was invented by .....							
	A.	Alexander Grahambell	B.	Thomas alva Edison	C.	Flemming	D.	Richard Gatling
10.	Bakra Nangal Dam is built across the river.....?							
	A.	Sutlej	B.	Yamuna	C.	Cauvery	D.	Narmada
11.	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
12.	Which of the following newspaper was started by Annie Besant?							
	A.	The Hindu	B.	Indian Express	C.	The Times of India	D.	New India
13.	Which is a vestigial organ in human body?							
	A.	Appendix	B.	Stomach	C.	Lungs	D.	Heart

14.	What is the chemical formula for Water?							
	A.	H <sub>2</sub> O	B.	O <sub>3</sub>	C.	H <sub>2</sub>	D.	HO
15.	Indian National Anthem "Jana Gana Mana" was written by							
	A.	Ishwar Chandra Vidyasagar	B.	Bankim Chandra Chatterjee	C.	Rabindranath Tagore	D.	None
16.	Thar Desert is located in							
	A.	Maharashtra	B.	Gujarat	C.	Rajasthan	D.	Jammu & Kashmir
17.	Which one of the following lakes is a salt water lake?							
	A.	Sambhar	B.	Wular	C.	Dal	D.	Gobind Sagar
18.	The National Park that was the first tiger reserve in India is							
	A.	Gir National Park	B.	Sundarban National Park	C.	Jim Corbett National Park	D.	Kanha National Park
19.	Added to the UNESCO list of World Heritage Sites in 2014, the Great Himalayan National Park is located in which state of India?							
	A.	Uttarakhand	B.	Haryana	C.	Himachal Pradesh	D.	Punjab
20.	The existence of more than one level of government in any country is called							
	A.	Democracy	B.	Federalism	C.	Universal Adult Franchise	D.	Monarchy
21.	GST is a consumption of goods and service tax based on							
	A.	Development	B.	Dividend	C.	Destiny	D.	Destination
22.	Which Indian industries have been hit by globalization?							
	A.	Cement	B.	Jute	C.	Toy making	D.	Information Technology
23.	Which of the following is a costal state?							
	A.	Tamilnadu	B.	Telangana	C.	Bihar	D.	Haryana
24.	Which is the longest latitude?							
	A.	Tropic of Capricorn	B.	Tropic of cancer	C.	Both A&B	D.	Equator
25.	Who gave the slogan of do or die?							
	A.	Mahatma Gandhi	B.	Bhagat Singh	C.	Jawaharlal Nehru	D.	Subhas Chandra Bose
26.	Who is the Author of the Book "The wings of Fire"?							
	A.	A.B.Vajpayee	B.	K.R.Narayanan	C.	Dr.A.P.J.Abdul Kalam	D.	Sobha De
27.	Zoology is the study of .....							
	A.	Plants	B.	Animals	C.	Planet	D.	Oceans

28.	When is Teachers Day celebrated in India?							
	A.	November 14	B.	September 5	C.	October 30	D.	August 15
29.	Which city is called as “Pink City “?							
	A.	Nagpur	B.	Mysore	C.	Jaipur	D.	Kashmir
30.	Who is known as the Father of Computer?							
	A.	Charles Babbage	B.	Marie Curie	C.	Albert Einstein	D.	Isaac Newton

**PART – II ( GENERAL ENGLISH)**

31.	Which of the given below words spelt correctly?							
	A.	Friquent	B.	Frequint	C.	Frequent	D.	Friquent
32.	Which of the given below words spelt correctly?							
	A.	Definitily	B.	Definitely	C.	Difenetly	D.	Difenitely
33.	<i>Fill in the blanks with the correct pronoun from the given options.</i> My friend invited .....to his birthday party.							
	A.	myself	B.	me	C.	herself	D.	they
34.	<i>Fill in the blanks with the correct pronoun from the given options.</i> Mrs.Hari drove .....car to work.							
	A.	her	B.	he	C.	she	D.	herself
35.	<i>Fill in the blanks with the proper tense from the given options.</i> James .....to the market yesterday.							
	A.	is going	B.	went	C.	is left	D.	will go
36.	<i>Fill in the blanks with the proper tense from the given options.</i> The policeman .....him.							
	A.	rescue	B.	was rescued	C.	is rescued	D.	rescued
37.	<i>Fill in the blanks with the appropriate word from the given options.</i> Actions speak .....than words.							
	A.	loud	B.	loudly	C.	louder	D.	loding
38.	<i>Fill in the blanks with the appropriate word from the given options.</i> I am sorry .....the mistake.							
	A.	with	B.	at	C.	from	D.	for
<i>Fill in the blanks (39-43)</i>								
39.	You can't _____ a book by its cover							
	A.	Complete	B.	Judge	C.	Enjoy	D.	Leave
40.	Please _____ this matter							
	A.	look into	B.	look after	C.	look to	D.	look up to

41.	He is .....best in this subject.							
	A.	the	B.	a	C.	in	D.	an
42.	I have....test today.							
	A.	an	B.	a	C.	the	D.	is
43.	I will meet .....President today.							
	A.	a	B.	of	C.	an	D.	the
	<i>Select the English word which is nearer to the meaning - Synonym</i>							
44.	Difficult							
	A.	Happy	B.	Easy	C.	Hard	D.	Calm
45.	Fantastic							
	A.	Gather	B.	Pleasant	C.	Splendid	D.	Immense
46.	Taciturn							
	A.	Noisy	B.	Lively	C.	Verbose	D.	Reserved
47.	Opponent							
	A.	Enemy	B.	Winner	C.	Supporter	D.	Prosper
48.	Weird							
	A.	Ordinary	B.	Humble	C.	Strange	D.	Best
49.	Accurate							
	A.	Loose	B.	Defect	C.	Error	D.	Precise
	<i>Select the English word which is opposite to the meaning – Antonym</i>							
50.	Depart							
	A.	Admit	B.	Destroy	C.	Domestic	D.	Arrive
51.	Transparent							
	A.	Clear	B.	Opaque	C.	Lucid	D.	Pellucid
52.	Delight							
	A.	Sad	B.	Charm	C.	Thrill	D.	Relish
53.	Feeble							
	A.	Weak	B.	Cool	C.	Strong	D.	Frail
54.	Crooked							
	A.	Criminal	B.	Illegal	C.	Bent	D.	Straight
55.	Humane							
	A.	Kind	B.	Cruel	C.	Compassionate	D.	Marvel

**PART – III ( ARITHMETIC)**

56.	Solve $240 \div 8 + 2$			
	A.	24	B.	32
			C.	36
			D.	34
57.	If $a * b = 2a - 3b + ab$ , then $3 * 5 + 5 * 3$ is equal to?			
	A.	22	B.	24
			C.	26
			D.	28
58.	If $\frac{a}{b} = \frac{2}{3}$ and $\frac{b}{c} = \frac{4}{5}$ , then the ratio of $\frac{a+b}{b+c}$ equal to ?			
	A.	$\frac{20}{27}$	B.	$\frac{27}{20}$
			C.	$\frac{6}{8}$
			D.	$\frac{8}{6}$
59.	If $\frac{2a+b}{a+4b} = 3$ , then find the value of $\frac{a+b}{a+2b}$			
	A.	$\frac{5}{9}$	B.	$\frac{2}{7}$
			C.	$\frac{10}{9}$
			D.	$\frac{10}{7}$
60.	If $\frac{144}{0.144} = \frac{14.4}{x}$ , then the value of $x$ is?			
	A.	144	B.	14.4
			C.	1.44
			D.	0.0144
61.	If $1 < x < 2$ , then the value of $\sqrt{(x-1)^2} + \sqrt{(3-x)^2}$ is ?			
	A.	1	B.	2
			C.	3
			D.	$2x - 4$
62.	If $7^x = \frac{1}{343}$ , then the value of $x$ is ?			
	A.	3	B.	-3
			C.	$\frac{1}{3}$
			D.	$\frac{1}{7}$
63.	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
64.	The area of a trapezium is $480 \text{ cm}^2$ , the distance between two parallel sides is 15 cm and one of the parallel side is 20 cm. The other parallel side is:			
	A.	20 cm	B.	34 cm
			C.	44 cm
			D.	50 cm
65.	The height of a cuboid whose volume is $275 \text{ cm}^3$ and base area is $25 \text{ cm}^2$ is:			
	A.	10 cm	B.	11 cm
			C.	12 cm
			D.	13 cm
66.	If the length and breadth of a rectangle are 15cm and 10cm, respectively, then its area is:			
	A.	100 sq.cm	B.	25 sq.cm
			C.	150 sq.cm
			D.	115 sq.cm
67.	If AB and CD are two parallel sides of a parallelogram, then:			
	A.	$AB > CD$	B.	$AB < CD$
			C.	$AB = CD$
			D.	None of the above
68.	The perimeter of a parallelogram whose parallel sides have lengths equal to 12 cm and 7 cm is:			

	A.	21 cm	B.	42 cm	C.	19 cm	D.	38 cm
69.	Susan can type 10 pages in 5 minutes. Mary can type 5 pages in 10 minutes. Working together, how many pages can they type in 30 minutes?							
	A.	15	B.	20	C.	65	D.	75
70.	45 men can complete a work in 16 days. Six days after they started working, 30 more men joined them. In how many days the total work will be completed ?							
	A.	12	B.	8	C.	15	D.	14
71.	The Value of Sine $90^\circ$ is .....							
	A.	1	B.	0	C.	$1/\sqrt{2}$	D.	None
72.	1 litre is equal to .....							
	A.	10 ml	B.	100 ml	C.	1000ml	D.	10,000ml
73.	Find the value of $55^2 - 45^2$							
	A.	2000	B.	1000	C.	2025	D.	3143
74.	Sum of two numbers is 15 and sum of their reciprocals is $3/10$ . The two numbers are ...							
	A.	4, 11	B.	5, 10	C.	6,9	D.	7,8
75.	Find the odd one out 51, 64, 78, 91, 104, 117.							
	A.	51	B.	78	C.	91	D.	117
76.	Find the odd one out 147, 125, 103, 81, 58, 36, 14.							
	A.	147	B.	103	C.	58	D.	14
77.	Which is the smallest 4-digit perfect square?							
	A.	1024	B.	1025	C.	1000	D.	1016
78.	Find the odd one out 5, 15, 45, 137, 411, 1233.							
	A.	15	B.	137	C.	411	D.	1233
79.	How many vertices does a pyramid with square base have?							
	A.	5	B.	4	C.	3	D.	6
80.	A dice is thrown. The probability of getting 1 and 5 is:							
	A.	$1/6$	B.	$2/3$	C.	$1/3$	D.	$1/2$
81.	If the probability of an event to happen is 0.3 and the probability of the event not happening is:							
	A.	0.7	B.	0.6	C.	0.5	D.	0.3
82.	What is the probability of drawing a queen from the deck of 52 cards?							
	A.	$1/26$	B.	$1/52$	C.	$1/13$	D.	$3/52$

83.	What is $\frac{1}{4}$ of $5\frac{1}{3}$ ?						
A.	$\frac{1}{3}$	B.	$\frac{2}{3}$	C.	$\frac{4}{3}$	D.	$\frac{5}{12}$
84.	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
85.	1.44 ÷ 1.2 is equal to						
A.	1.2	B.	12	C.	0.12	D.	1.12
86.	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
87.	The value of $\sqrt[4]{(16)^{-2}}$						
A.	1/4	B.	1/2	C.	4	D.	1/16
88.	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
89.	If the selling price of 10 pens is equal to cost price of 14 pens, then the gain percentage is						
A.	20%	B.	30%	C.	40%	D.	45%
90.	The sum of ages of 5 children born at the intervals of 3 years each is 50 years. What is the age of the youngest child?						
A.	4 years	B.	8 years	C.	10 years	D.	None of these
91.	Raju age after 15 years will be 5 times his age 5 years back, What is the present age of Raju						
A.	15	B.	14	C.	10	D.	8
92.	What is the average of the numbers: 0, 0, 4, 10, 5, and 5 ?						
A.	2	B.	3	C.	4	D.	5
93.	What is the value of x in the equation $3x - 15 - 6 = 0$ ?						
A.	7	B.	8	C.	9	D.	-9
94.	$ -4  +  4  - 4 + 4 = ?$						
A.	0	B.	2	C.	4	D.	8
95.	How much is 24% of 5500 ?						
A.	1500	B.	1000	C.	1320	D.	1430
96.	P and Q can do a project in 150 and 100 days respectively. In how many days can they complete 50% of the project if they work together?						
A.	12 days	B.	72 days	C.	30 days	D.	36 days



97.	If three sides of a triangle are equal, it is called....							
	A.	Isosceles triangle	B.	Equilateral triangle	C.	Scalene triangle	D.	Right angled triangle
98.	What should come in place of question mark in the following question? $4 - 2 + 5 \times 6 \div 2 - 1 = ?$							
	A.	33	B.	-3	C.	17	D.	16
99.	The number whose 40% is 60, is							
	A.	300	B.	150	C.	200	D.	170
100	In a simultaneous toss of two coins, then what is the probability of getting exactly two tails?							
	A.	1/4	B.	1/2	C.	1/3	D.	1/6

**Answer Key of Suitability Test for NTPC/Skilled Artisan Category Under  
Compassionate Grounds Appointment Dated 10/03/2023**

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