

## **Research Aptitude Test (RAT) -2020**

### **PART-A**

**Total No. of Questions =50**

**Each question Carries 2 Mark**

<b>Q.1)</b>		Research is
	<b>A.</b>	searching again and again
	<b>B.</b>	finding solution to any problem
	<b>C.</b>	working in a scientific way to search for truth of any problem
	<b>D.</b>	none of the above
<b>Q.2)</b>		Assigning numerals or other symbols to the categories or response is called
	<b>A.</b>	editing
	<b>B.</b>	coding
	<b>C.</b>	transcription
	<b>D.</b>	encoding
<b>Q.3)</b>		Which one of the following is a research tool?
	<b>A.</b>	graph
	<b>B.</b>	illustration
	<b>C.</b>	questionnaire
	<b>D.</b>	diagram
<b>Q.4)</b>		Processing of arranging the raw data into a new order is called?
	<b>A.</b>	manipulation
	<b>B.</b>	standardization
	<b>C.</b>	analysis
	<b>D.</b>	documentation
<b>Q.5)</b>		Information is .....
	<b>A.</b>	raw data
	<b>B.</b>	processed data
	<b>C.</b>	organised data
	<b>D.</b>	input data

<b>Q.6)</b>		The conceptual framework in which research is conducted, is called
	<b>A.</b>	synopsis of research
	<b>B.</b>	research design
	<b>C.</b>	research paradigm
	<b>D.</b>	research hypothesis
<b>Q.7)</b>		Which one of the following is a non-probability sampling design?
	<b>A.</b>	simple random
	<b>B.</b>	purposive
	<b>C.</b>	systematic
	<b>D.</b>	stratified
<b>Q.8)</b>		A sample study is a study of
	<b>A.</b>	whole population
	<b>B.</b>	only representative items
	<b>C.</b>	51 items
	<b>D.</b>	none of the above
<b>Q.9)</b>		Concepts are..... of research
	<b>A.</b>	guide
	<b>B.</b>	tools
	<b>C.</b>	methods
	<b>D.</b>	variables
<b>Q.10)</b>		Concepts which can not be given operational definitions are ..... concepts
	<b>A.</b>	Verbal
	<b>B.</b>	oral
	<b>C.</b>	hypothetical
	<b>D.</b>	operational
<b>Q.11)</b>		Observation is physical and .....activity
	<b>A.</b>	mental
	<b>B.</b>	social

	C.	psychological
	D.	personal
Q.12)		Interview with detailed standard schedule is called
	A.	clinical interview
	B.	structural interview
	C.	group interview
	D.	direct interview
Q.13)		Field study is related to....
	A.	real life situations
	B.	experimental situations
	C.	laboratory situations
	D.	none of the above
Q.14)		An example of scientific knowledge is
	A.	authority of the Prophet or great men
	B.	social traditions and customs
	C.	religious scriptures
	D.	laboratory and field experiments
Q.15)		A researcher selects only 10 members as a sample from the total population of 5000 and considers it good because
	A.	he was a good researcher
	B.	he was guided by his supervisor
	C.	the populations was homogeneous
	D.	all of these
Q.16)		Which technique is generally followed when the population is finite ?
	A.	Area sampling technique
	B.	Purposive sampling technique
	C.	Systematic sampling technique
	D.	None of the above

Q.17)		<b>Find out the correctly spelt word:</b>
	A.	Faxsimile
	B.	Fachsimile
	C.	Facsimile
	D.	Factsimile
Q.18)		<b>Complete the idiom:</b> My mother said "Speak of the _____" as she saw him walking down the stairs.
	A.	man
	B.	woman
	C.	devil
	D.	god
Q.19)		<b>Choose the correct alternative which can be substituted for the given word/ sentence.</b> A person involving in an activity for pleasure and not money is called as:
	A.	Amateur
	B.	Follower
	C.	Altruist
	D.	Antiquarian
Q.20)		<b>Pick out the word closest in meaning to the given word:</b> AVARICE
	A.	avoid
	B.	greed
	C.	endeavor
	D.	adherence
Q.21)		<b>In the sentence given below, replace the underlined phrase to make the sentence grammatically correct. If the sentence is correct as it is, mark (d) i.e. "No correction required" as the answer.</b>  The woman <u>to who I sold</u> my house was a criminal.
	A.	to whom I sold
	B.	to whom I sell

	C.	to whom I sold
	D.	No correction required
Q.22)		Identify the error(s) in the following sentence: <b>Suganya / sing / better than / Suraiya.</b>
	A.	<b>Suganya</b>
	B.	sing
	C.	better than
	D.	Suraiya
Q.23)		Fill in the blank with appropriate word: <b>I detest --- in public places.</b>
	A.	<b>smoke</b>
	B.	<b>smoking</b>
	C.	<b>smoked</b>
	D.	<b>be smoking</b>
Q.24)		<b>Fill in the correct option:</b> <b>Do you want --- a cup of tea?</b>
	A.	takes
	B.	to take
	C.	take
	D.	taking
Q.25)		<b>Choose the correct answer:</b> <b>He said, "Alas! How foolish I have been"!</b>
	A.	He said with sorrow that he had been very foolish.
	B.	He exclaimed with sorrow that he had been very foolish.
	C.	He exclaimed with sorrow as he had been very foolish.
	D.	He exclaimed with sorrow that he is very foolish.
Q.26)		Look at this series: 80, 10, 70, 15, 60, . . . What number should come next?
	A.	20
	B.	25

	<b>C.</b>	30
	<b>D.</b>	50
<b>Q.27)</b>		Agency Y served 187, 565 people in 1981. If the agency served 210,515 people in 1982, this reflected an increase of:
	<b>A.</b>	19.10%
	<b>B.</b>	15.6%
	<b>C.</b>	12.2%
	<b>D.</b>	10.9 %
<b>Q.28)</b>		Look carefully for the pattern, and then choose which pair of numbers comes next. 84 78 72 66 60 54 48
	<b>A.</b>	44 34
	<b>B.</b>	42 36
	<b>C.</b>	42 32
	<b>D.</b>	40 34
<b>Q.29)</b>		If a couch cost Rs 640 after a 20% discount, what was its original price?
	<b>A.</b>	Rs 768
	<b>B.</b>	Rs 512
	<b>C.</b>	Rs 800
	<b>D.</b>	Rs 780
<b>Q.30)</b>		Complete the given series by finding the missing term 28, 33, 31, ?, 34, 39
	<b>A.</b>	34
	<b>B.</b>	35
	<b>C.</b>	36
	<b>D.</b>	37
<b>Q.31)</b>		Choose the number which is different from others.
	<b>A.</b>	183
	<b>B.</b>	242
	<b>C.</b>	119

	<b>D.</b>	369
<b>Q.32)</b>		What is the interest on Rs. 600 at 8% /year for 30 days?
	<b>A.</b>	Rs. 4
	<b>B.</b>	Rs. 7-50
	<b>C.</b>	Rs. 11.52
	<b>D.</b>	Rs. 4.80
<b>Q.33)</b>		How many square tiles, each 12 inches on a side, will Ozzie need to cover a floor that is 11 feet wide and 18 feet long?
	<b>A.</b>	99
	<b>B.</b>	163
	<b>C.</b>	150
	<b>D.</b>	198
<b>Q.34)</b>		It takes 16 typists 11 days to complete a project. How long would it take 10 typists, if they worked at the same rate, to complete the same project?
	<b>A.</b>	17.6 days
	<b>B.</b>	6.8 days
	<b>C.</b>	6.9 days
	<b>D.</b>	18.4 days
<b>Q.35)</b>		<b>CSIR-Central Institute of Medicinal and Aromatic Plants (CIMAP) is located at</b>
	<b>A.</b>	Delhi
	<b>B.</b>	Lucknow
	<b>C.</b>	Bombay
	<b>D.</b>	Kolkata
<b>Q.36)</b>		<b>Sania mirza is associated with which game</b>
	<b>A.</b>	Tennis
	<b>B.</b>	Cricket
	<b>C.</b>	Hockey
	<b>D.</b>	Football

<b>Q.37)</b>		<b>The principal copper deposits of India lie in which of the following places?</b>
	<b>A.</b>	<b>Khetri and Daribo areas of Rajasthan</b>
	<b>B.</b>	<b>Hazaribag and Singbhum of Bihar</b>
	<b>C.</b>	Anantapur in Andhra Pradesh
	<b>D.</b>	Uttar Pradesh
<b>Q.38)</b>		<b>Who is the minister of Science and Technology in India?</b>
	<b>A.</b>	Dr. Harsh Vardhan
	<b>B.</b>	Dr. Subrahmanyam Jaishankar
	<b>C.</b>	Mrs. Smriti Zubin Irani
	<b>D.</b>	Mr. Nitin Gadkari
<b>Q.39)</b>		<b>Vijay Stambha is situated in</b>
	<b>A.</b>	Jaipur
	<b>B.</b>	Chittor
	<b>C.</b>	Agra
	<b>D.</b>	Delhi
<b>Q.40)</b>		<b>USA has left which of the following international organizations</b>
	<b>A.</b>	WHO
	<b>B.</b>	UNSC
	<b>C.</b>	IMF
	<b>D.</b>	WTO
<b>Q.41)</b>		<b>India and China border dispute, 2020 area is</b>
	<b>A.</b>	LOC Ladakh
	<b>B.</b>	LAC Ladakh
	<b>C.</b>	Doklam
	<b>D.</b>	None of the above
<b>Q.42)</b>		<b>2022 FIFA Football World Cup is to be held in</b>
	<b>A.</b>	Qatar
	<b>B.</b>	Bahrain
	<b>C.</b>	Japan



	<b>D.</b>	Portugal
<b>Q.43)</b>		<b>Which state police has launched the CybHER virtual awareness campaign?</b>
	<b>A.</b>	Telangana
	<b>B.</b>	Maharashtra
	<b>C.</b>	Madhya Pradesh
	<b>D.</b>	Andhra Pradesh
<b>Q.44)</b>		<b>Dibru Saikhowa National Park is located in</b>
	<b>A.</b>	Nagaland
	<b>B.</b>	Assam
	<b>C.</b>	Manipur
	<b>D.</b>	Meghalaya
<b>Q.45)</b>		<b>Which Indian Non-Governmental organisation (NGO) won the prestigious USD 1.5 million Skoll Award for Social Entrepreneurship for 2020?</b>
	<b>A.</b>	CARE India
	<b>B.</b>	CRY
	<b>C.</b>	ARMMAN
	<b>D.</b>	SMILE
<b>Q.46)</b>		<b>Natanz, where a fire broke out on July 2, 2020, is an underground nuclear facility of</b>
	<b>A.</b>	Uzbekistan
	<b>B.</b>	Afghanistan
	<b>C.</b>	Iraq
	<b>D.</b>	Iran
<b>Q.47)</b>		<b>'Nasha Mukht Bharat: Annual Action Plan (2020-21)' has been launched recently by</b>
	<b>A.</b>	NITI Ayog
	<b>B.</b>	CBI
	<b>C.</b>	Ministry of Social Justice and Empowerment
	<b>D.</b>	Ministry of Women and Child Development

<b>Q.48)</b>		<b>Which of the following is the common currency used in 11 European nations?</b>
	<b>A.</b>	<b>Pound</b>
	<b>B.</b>	<b>Euro</b>
	<b>C.</b>	<b>Dollar</b>
	<b>D.</b>	<b>Lira</b>
<b>Q.49)</b>		<b>Bollywood film Gulabo Sitabo features</b>
	<b>A.</b>	Amitabh Bachchan-Ranveer Singh
	<b>B.</b>	Amitabh Bachchan-Ranbir Kapoor
	<b>C.</b>	Amitabh Bachchan-Ayushmann Khurrana
	<b>D.</b>	Amitabh Bachchan-Mahesh Babu
<b>Q.50)</b>		<b>The causal organism of tuberculosis (TB)</b>
	<b>A.</b>	Bacteria
	<b>B.</b>	Virus
	<b>C.</b>	Fungi
	<b>D.</b>	Algae