## R.R.B.

## **JE Question paper 2009**

1.	Which of the foll	owing was the capita	al of 'Kuru' Mahaj	janapada?
	1) Mathura	2) Indraprastha	3) Videha	4) Mithila
2.	Out of the follow	ring remains excavate	ed in Indus Valley	, which one indicates the
	commercial and	econimic development	nt?	
	1) Pottery	2) Seals	3) Boats	4) Houses
3.	Which of the foll	iwng is not an exam	ple of literature of	f Vedic tradition?
	1) Vedas	2) Puranas	3) Vedangas	4) Purvas
4.	The Indian king who opposed Alexander was-			
	1) Ambhi		2) Porus	
	3) Dhananand		4) Mahapadma	ananda
5.	Who laid the foundation of the city Patliputra?			
	1) Udayan		2) Ashoka	
	3) Bimbisara		4) Mahapadma	ananda
6.	What was the name of Budha's Charioteer?			
	1) Manna		2) Channa	
	3) Devadata		4) Raghu	
7.	The most famous Kushan ruler was-			
	1) Rudradaman		2) Vasudeva I	
	3) Kanishka		4) Ashoka	
8.	Between which two rulers was the first Battle of Panipat fought?			
	1) Akbar and Bal	nlol Lodi	2) Babur and I	Ibrahim Lodi
	3) Bairam Khan	and Sikandar Lodi	4) Shahjahan a	and Daulat Khan Lodi

9.	When and where was the 'Ghadar Party' founded?			
	1) America, 1913		2) England, 1917	
	3) Denmark, 1921		4) Scotland, 1925	
10.	Gandhiji's movemen	nt of boycotting the	foreign goods aimed	l at-
	1) Promotion of We	lfare State	2) Creating anti-Br	itish sentiments
	3) Promotion of Co	ttage Industry	4) Full independent	ce
11.	Which one of the	following leaders	belonged to the ext	tremist wing of the
	Congress?			
	1) Aurobindo Ghosl	n	2) Dadabhai Naoro	ji
	3) G.K.Gokhale		4) S.N.Banerjee	
12.		und Table Conferer	nce, the Indian Nati	ional Congress was
	represented by-	• •		
	1) Jawaharlal Nehru	1	2) Rajendra Prasad	
	3) M.K.Gandhi		4) Vallabh Bhai Pat	
13.	Earth's gravitational	l pull in minimum ir	1-	0
	1) Troposphere		2) Stratosphere	GO
	3) Thermosphere			
14.	The most abundant			
	1) Aluminum	2) Silica	3) magnesium	4) Sodium
15.	Which of the follow			
	1) Rice	2) Maize	3) Cotton	4) Barley
16.	'Palghat' is a divisio			
	1) Southern Railway		2) South Eastern R	•
	3) South Central Ra		4) South Western R	-
17.		ving Unin Terriotorio	es of India has the lo	owest population?
	1) Pondicherry		2) Daman and Diu	
	3) Lakshadweep		4) Andaman and N	
18.		is situated in which	ch of the following States?	
	1) Bihar		2) Uttar Pradesh	
	3) Himachal Prades		4) Uttarakhand	
19.			determines the India	
	1) 85.5°E	2) 86.5°E	3) 84.5°E	4) 82.5°E

20.	The Nagarjunasagar Dam is built across which ofthe following rivers?			
	1) Krishna	2) Chambal	3) Kosi	4) Sutlej
21.	Which of the follow	ing is a scalar quan	tity?	
	1) Electric Field		2) Average Velocity	Į.
	3) Power		4) Magnetic Mome	ntum
22.	If the velocity of a l	oody is doubled-		
	1) Its Kinetic Energ	y is doubled	2) Its potential Ene	rgy is doubled
	3) Its Momentum is	doubled	4) Its Acceleration	is doubled
23.	Clothes keep us war	rm in winter because	e they-	
	1) supply heat			
	2) do not rediate he	at		
	3) prevent air from	contacting the body		
	4) prevent the heat of	of the body from eso	caping	
24.	Permanent magnet of	can be made from-		
	1) Cobalt	2) Aluminum	3) Zinc	4) Lead
25.	Who among the following	lowing is known as	'Father of Biology'?	G
	1) Aristotle	2) Darwin	3) Lamark	4) Hippocrates
26.	Spiral shape bacteri	a is called-	0.	
	1) Diplococus	2) Bacillus	3) Cocus	4) Spirillum
27.	Which of the follow	wng bones is not for	and in human leg?	
	1) Tibia	2) Humerus	3) Femur	4) Fibula
28.	The enzyme found is	in human saliva is-	0.	
	1) Renin	2) Ptylin	3) Tenin	4) Resin
29.	Virus of 'Bird Flu' is	s also known as-		
	1) NH51	2) NH15	3) H5N1	4) N5H1
30.	'Gypsum' is an ore of	of-		
	1) Iron	2) Calcium	3) Sodium	4) Magnesium
31.	Which of the follow	wng is used for killing	ng rats?	
	1) Zinc Phosphide	2) Duralumin	3) Zinc Oxide	4) Sodium Nitrate
32.	Which of the follow	ying is not an isotop	e of Hydrogen?	
	1) Protium	2) Eritium	3) Deuterium	4) Tritium

33.	Which of the following is not an Input Device?				
	1) Keyboard	2) Scanner	3) Mouse	4) Printer	
<b>34.</b>	http://www.disco	overy.com is an exar	nple of-		
	1) Web brower		2) Website		
	3) Web page		4) Internet Servi	ice Provider	
35.	A prescribed set	of well-defined inst	ructions for solving	mathematical problems	
	is called-				
	1) A Compiler		2) A code		
	3) A description		4) An algorithm		
<b>36.</b>	Which part of th	e Indian Constitution	on deals with the Dir	rective Principles of the	
	State Policy?				
	1) Part I	2) Part III	3) Part IV	4) Part V	
37.				oved which one of the	
			f Fundamental Right		
	1) Freedom of S	peech	2) Equality befo		
	3) Right of Prop		4) Freedom of R	Religion	
38.	Who was the fire	st Chief Minister of		B	
	1) Krishna Singl	1	2) K.B. Sahay	,	
	3) Mahamaya Pr		4) Karpoori Tha		
39.	Who was the Pri	ime Minister of Indi	a just before Dr. Mai	nmohan Singh?	
	1) H.D. Deve Go	owda	2) I.K. Gujral		
	3) P.V. Narasimh	na Rao	4) Atal Bihari V	ajpayee	
<b>40.</b>	Japan's Parliame	ent is known as-			
	1) Diet	2) Dail	3) Yuan	4) Tokyo House	
41.	'Jamini Roy' was	s a famous-			
	1) Dance	2) Magician	3) Cartoonist	4) Painter	
42.	'NCERT' stands for-				
	1) National Committee of Educational Research and Training				
	2) National Council of Educational Research and Training				
	3) National Council for Educational Research and Teaching				
	4) National Council of Employment Resources and Training				

43.	Who directed the film 'Slumdog Millionaire'?			
	1) Anil Kapoor		2) Prakash Jha	
	3) Danny Boyle		4) Simon Beautoy	
44.	Who is the first fem	nale amputee to clim	nb Mount Everest?	
	1) Samina Baig		2) Arunima Sinha	
	3) Bachhendri Pal		4) Raha Moharrak	
45.	Who was declared '	Man of the Series' is	n the ICC Champion	s Trophy 2013?
	1) Shikhar Dhawan		2) Virat Kohli	
	3) Ravindra Jadeja		4) MS Dhoni	
46.	Which among the fo	ollowing States is co	onsidered India's mos	st flood-prone State?
	1) Uttarakhand		2) Jharkhand	
	3) Bihar		4) Nagaland	
47.	Who among the fol	lowing is the author	of the book 'Mudra	Rakshasa'?
	1) Kalidasa	2) Kalhana	3) Kautilya	4) Vishakhadatta
48.	'Vishnupad Temple'	is situated in-		0.4*
	1) Gaya	2) Varanasi	3) Rajgir	4) Nalanda
49.		ace of Dr. Rajendr	a Prasad comes und	ler which district of
	Bihar?		0,	
	1) Patna	2) Madhubani	3) Gaya	4) Siwam
50.	Indian Space Resea			
	1) Bengaluru	2) Hyderabad		4) Mumbai
51.	· ·			r than Q but inferior
	to Y. Q is mightier t		_	4) D
<b>E</b> 2	1) X	2) Z	3) Q	4) P
52.				I in ascending order, fourth from the right
	and third from the l		_	outin from the right
	1) One	2) Two	3) Three	4) Four
53.		,	,	itten as 24156. How
	will TEACHER be			
	1) 8812346	2) 8321436	3) 8312436	4) 8313426
54.	If NOIDA is written	n as 39658, how wil	l INDIA be written?	
	1) 36568	2) 63568	3) 63569	4) 65368

55.	In a certain code language, '253' means 'books are old', '546' means 'man is old' and '378' means 'buy good books'. What stands for 'are' in that code?			
	1) 2	2) 4	3) 5	4) 6
56.				chillies', 'apricots' are llowing are green in
	1) Apricots	2) Apples	3) Chillies	4) Bananas
57.	In a certain code, R code?	ROAD is written as	URDG. How will S	WAN written in that
	1) VXDQ	2) VZDQ	3) VZCP	4) UXDQ
58.	If '+' means '÷', 'x'	means '÷' '÷' means	s '+' and '-' means '>	then which of the
	following will be th	ne value of the expre	essions?	
	$252 \times 9 - 5 + 32 \div$			
	1) 95	2) 168	3) 192	4) 200
59.	If P denotes '÷', Q d	lenotes '×' R denotes	s '+' and S denotes '-	-', then.
	18 Q 12 P 4 R 5 S	6=?		0.
	1) 95	2) 53	3) 51	4) 57
60.	The following equa	tion may be correcte	ed by interchanging	which two signs?
	$5 \times 15 \div 7 - 20 + 4$	4 = 77		
	1) – and +	$2) \times \text{and} \div$	$3) + and \div$	$4) + and \times$
61.	In the alternatives g	given below, three a	re alike in some mar	nner while the fourth
	one is different. Ch	oose the odd one.	C.P.	
	1) Garo	2) Khasi	3) Kangra	4) Jaintia
<b>62.</b>	In the alternatives g	given below, three as	re alike in some mar	nner while the fourth
	one is different. Ch	oose the odd one.		
	1) Triangle	2) Tangent	3) Square	4) Rhombus
63.	In the alternatives g	given below, three a	re alike in some mar	nner while the fourth
	one is different. Ch	oose the odd one.		
	1) Up	2) Down	3) Above	4) Small
<b>64.</b>	In the alternatives g	given below, theree a	are alike in some man	nner while the fourth
	one is different. Ch	oose the odd one.		
	1) Run	2) Walk	3) Think	4) Jump

<b>65.</b>	'Flower' is related to 'Essence' in the same way as 'Oven' is related to-			related to-
	1) Vapour	2) Fire	3) Heat	4) Steam
66.	'Gravity' is related	to 'Pull' in the same	way as 'Magnetism'	is related to-
	1) Repulsion	2) Separation	3) Attraction	4) Push
<b>67.</b>	Choose the correct	alternative that will	continue the same pa	attern and replace the
	question mark (?)	in the given series.		
	120, 99, 80, 63, 48	, ?		
	1) 35	2) 38	3) 39	4) 40
68.	Choose the correct	alternative that will	continue the same pa	attern and replace the
	question mark (?)	in the given series.		
	1, 5, 14, 30, 55, 91	, ?		
	1) 130	2) 140	3) 150	4) 160
69.	Choose the correct	altrnative that will o	continue the same pa	ttern and replace the
	question mark (?) in the given series.			
	2, 12, 36, 80, 150,	?		CO.
	1) 194	2) 210	3) 252	4) 258
70.	Choose the correct	alternative that will	continue the same pa	attern and replace the
	question mark (?)	in the given series.	G	
	1) KSU	2) LMN	3) SOV	4) SOW
<b>71.</b>	Choose the correct	alternative that will	continue the same pa	attern and replace the
	question mark (?)	in the given series.	O'	
	M, N, O, L, R, I, V	7, ?		
	1) A	2) E	3) F	4) H
72.	A and B are broth	ners. C and D are si	isters. A's son is D'	s brother. How is B
	related to C?			
	1) Father	2) Brother	3) Grandfather	4) Uncle
<b>73.</b>	Introducing a man	, a woman said, 'His	wife is the only da	ughter of my father'.
	How is that man re	elated to the woman?	•	
	1) Brother		2) Father-in-law	
	3) Husband		4) Maternal Uncle	

74.	A man is facing West. He turns 45° in the clock-wise direction and then another			
	180° in the same direction and then 270° in the anti-clockwise directon. Which			
	direction is he facin	g now?		
	1) South	2) North-West	3) West	4) South-West
75.	A man starts from a	point 'X' and walks	3 km southwards, the	hen he turns left and
	walks 6 km. In which	ch direction is he fro	om the starting point	?
	1) South-West	2) South-East	3) West	4) South
<b>76.</b>	The H.C.F. of 595 a	and 252 is-		
	1) 1	2) 7	3) 11	4) 17
77.	The L.C.M. of 26, 5	56, 104 and 182 is-		
	1) 456	2) 728	3) 748	4) 1274
-0	$6.5 \times 4.7 + 6.5 \times 5.$	.3		
<b>78.</b>	$\frac{6.5 \times 4.7 + 6.5 \times 5.}{1.3 \times 7.9 - 1.3 \times 6}$	_ = ? .9		
	1) 3.9	2) 39	3) 34.45	4) 50
<b>79.</b>	A student was aske	ed to divi <mark>de</mark> a numb	per by 3. But, instea	nd of dividing it, he
	multiplied it by 3 and got 29.7. What was the correct answer?			r?
	1) 3.3	2) 9.3	3) 9.8	4) 9.9
80.	$5852 \div 28 \times ? - 16$	53 = 1064	0.	
	1) 9	2) 13	3) 15	4) 18
0.1	TC = 1.4.0 ' 1' ' 1 1		7	
81.	If ₹ 1440 is divided	into two parts in wh	nich one part is — o	of the second, then
	the smaller part is-	1		
	1) ₹ 405	2) ₹ 630	3) ₹ 810	4) ₹ 1035
82.	If $\sqrt{4^n} = 1024$ , then	the value of n is-		
	1) 5	2) 8	3) 10	4) 12
83.	If $\frac{1120}{\sqrt{P}} = 80$ , then	P = ?		
	1) 14	2) 140	3) 196	4) 225
84.	A man covers half of	of his journey at 6 ki	m/ hr and the remain	ning half at 3 km/hr.
	His average speed i	S-		
	1) 4 km/ hr	2) 4.5 km/ hr	3) 9 km/ hr	4) 3 km/ hr

85.	The average weight of 8 boys is increased by 1.5 kg when one of the boys, who weights 65 kg, is replaced by a new boy. The weight of the new boy is-				
	_		_	-	
	1) 70 kg	2) 74 kg	3) 76 kg	4) 77 kg	
86.	The $\frac{4}{5}$ th of a certain	ain number is 64. H	alf of the number is-		
	1) 40	2) 32	3) 80	4) 16	
87.	The ratio between	the present ages of	Ravi and Jai is 3:2.	If Ravi was 6 years	
		years back, how old		·	
	1) 6 years	2) 12 years	3) 18 years	4) Data inadequate	
	<u>-1</u>	· ·		<u>-</u>	
88.	$\left[\frac{81}{169}\right]^{\frac{-1}{2}} = ?$				
	[169]				
	1) $\frac{3}{169}$	2) $\frac{2}{169}$	3) $\frac{9}{13}$	4) $\frac{13}{9}$	
0.0	10)	10)			
89.	_			rent would the width	
	have to be decreased to maintain the same area?				
	1) $37\frac{1}{2}\%$	2) 60%	3) 75%	4) $66\frac{2}{3}\%$	
90.	By selling a tape-re	ecorder for ₹ 950.	I lose 5%. What per	rcent shall I gain by	
	selling it for a 1040		0.	<i>5</i> ,	
	1) 4%	2) 4.5%	3) 40%	4) 5%	
91				io becomes 3:4 and	
71.			io becomes 7 : 10. T		
	1) 8, 11	2) 11, 15		4) 27, 36	
02	, ,			nany days will 3 men	
14.		ing together will fin		nany days will 3 men	
				1) 29 days	
02	1) 10 days	2) 15 days	•	•	
93.			•	pectively. If both the	
		•	the tank will be filled		
	1) 10 minutes	2) 12 minutes	3) 15 minutes	4) 25 minutes	
94.		ng passes a telegrap	h post in 6 seconds. T	The speed of the train	
	is-				
	1) 70 km/ hr	2) 72 km/ hr	3) 79.2 km/ hr	4) 80 km/ hr	

95. The radius of the wheel of a vehicle is 70 cm. The wheel makes 10 revolutions in 5 seconds. The speed of the vehicle is-

1) 29.46 km/hr

2) 31.68 km/hr

3) 36.25 km/ hr

4) 32.72 km/hr

**96.** The sides of a triangle are in the ratio  $\frac{1}{2}:\frac{1}{3}:\frac{1}{4}$ . If the perimeter is 52 cm, then the length of the smallest side is-

1) 9 cm

2) 10 cm

3) 11 cm

4) 12 cm

97. The area of the base of a rectangular tank is 6500 cm<sup>2</sup> and the volume of water contained in it is 2.6 cubic metres. The depth of the water tank is-

1) 2.5 metre

2) 3 metre

3) 5.5 metre

4) 4 metre

98. Two angles are complementary, if the sum of their measures is-

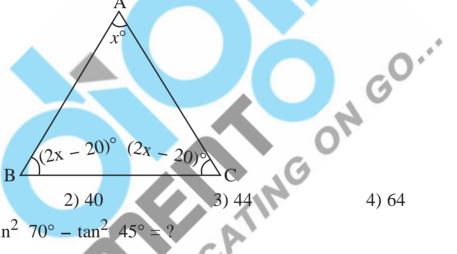
1) 90°

2) 100°

3) 180°

4) 360°

**99.** What is the value of X in the given figure?



1) 30

2) 40

100.  $\sin^2 20^\circ + \sin^2 70^\circ - \tan^2 45^\circ$ 

1) 0