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RRB (NON TECHNICAL) MODEL PAPER

No. of Questions: 100 Marks: 100 Time: 90 Mnts.

GENERAL AWARENESS

1.	Which of the following ca	rops is regarded as a plan	tation crop?	
	1) Coconut	2) Cotton	3) Sugarcane	4) Rice
2.	Which of the following is	s used in oven?	10/	
	1) X–rays	2) UV rays	3) Microwaves	4) Radioactive
3.	Gamma rays can cause		XXX	
	1) gene mutation	2) sneezing	3) burning	4) fever
4.	Which element found in a	all organic compounds?		
	1) Carbon	2) Nitrogen	3) Calcium	4) None of them
5.	Alloys made with mercur	y as one metal are called	?	
	1) Mixtures	2) Emulsions	3) Solders	4) Amalgams
6.	All noble gases are	**		
	1) Colourless		2) Colour	
	3) Colourless and odourle	ess	4) Colourless and but ha	ve odour
7.	What is the hardest form	of carbon?		200
	1) Coke	2) Graphite	3) Charcoal	4) Diamond
8.	What is hottest part of the	e gas flame is called	10	~ •
	1) blue zone		2) luminous zone	
	3) dark zone		4) non-luminous zone	
9.	Which type of lens is use	d to correct myopia?		
	1) Convex lens	2) Concave lens	3) Biconcave lens	4) Biconvex lens
10.	Which one of the following	ng is used to coat househousehousehousehousehousehousehouse	old articles?	
	1) Lead	2) Silver	3) Chromium	4) Tin
11.	Which one of the following	ng radioactive elements is	s used in heart pacemakers	s?
	1) Platinum	2) Cobalt	3) Iodine	4) Iron
12.	What is the chemical nam	ne of a substance which k	ills rats?	
	1) White phosphorus		2) Red phosphorus	
	3) Potassium cyanide		4) Ethyl Alcohol	
13.	The boiling point of water	r can be raised by		
	1) reducing pressure		2) increasing pressure	
	3) reducing heat supply		4) increasing heat supply	,
14.	Optic fibre are used in:			
	1) CAT scans	2) X-ray photos	3) Ultrasound scans	4) Endoscopy

15. "curie" is unit of: 2) Temperature 3) Heat 1) Radioactivity 4) Energy 16. Which of the following types of soil are mostly confined to river basins and coastal plains of India? 4) Red soils 1) Alluvial soils 2) Black soils 3) Laterite soils 17. T.V. antennas are usually made up of 2) Steel 3) Aluminium 1) Copper 4) Brass 18. The natural region which holds the Indian subcontinent is 1) equatorial climate change region 2) hot desert 3) monsoon 4) Mediterranean 19. Which of the following diseases is caused by a virus? 1) Diabetes 2) Malaria 3) Smallpox 4) Tuberculosis 20. What is the mainstay of Indian economy? 1) Manufacturing 2) Business 3) Public sector 4) Agriculture 21. Name the poison present in tobacco. 1) Coniine 2) Nicotine 3) Theobromine 4) Narcotine 22. Alcoholic drink contains 1) Butyl Alcohol 2) Ethyl Alcohol 3) Propyl Alcohol 4) Methyl Alcohol 23. Which of the following dams has generations of power more than irrigation as its main purpose? 1) Gandhi Sagar 2) Hirakud 3) Periyar 4) Tungabhadra 24. Which of the following areas or regions is most prone to earthquakes? 1) Ganga-Brahmaputra valley 2) Deccan plateau 3) Plains of Northern India 4) Western ghats 25. For which Diode is used? 2) Oscillation 3) Amplification 4) Purification 1) Modulation **26.** Name the gas used for making vegetable ghee. 3) Sulphur 1) Nitrogen 2) Oxygen 4) Hydrogen 27. In summer, the mirages are seen due to the phenomenon of 1) reflection of light 2) total internal reflection 3) interference of light 4) diffraction of light 28. Electron microscope was invented by 1) Knoll and Ruska 2) Robert Koch 3) Leeuwenhoek 4) CPS Wanson **29.** Which metal does not undergo corrosion due to the formation of oxide layer? 1) Copper 3) Aluminum 4) Zinc 2) Iron **30.** The chemical part of the dye that absorbs light and produces colour is called 1) Neon 2) a chromophore 3) a photochrome 4) a pigment

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www.eenadupratibha.net 31. A nautical mile is equal to 2) 6080 feet 3) 5280 feet 4) 6060 feet 1) 5060 feet 32. What is viewed through an electron microscope? 2) structure of bacteria and viruses 1) electrons and other elementary particles 3) inside of human stomach 4) inside of the human eye 33. 'Vinegar' is commercial name of 4) Citric Acid 1) Oxalic acid 2) Hydrochloric acid 3) Acetic acid 34. The study of Dendrology is associated with: 1) Flowers 2) Trees 3) Shrubs 4) Plants 35. The food poisoning is caused by 2) Clostridium botulinum 1) Clostridium tetani 4) Baslils anthresis 3) Salmonella toyphosis The Bhopal gas tragedy was caused by the gas... **36.** 1) Methyl chloride 2) Methyl Iso cyanide 3) Methyl Iso Cyanate 4) Methyl Cyanide 37. Molasses a by-product in the manufacture of sugar, is converted into 1) Alcohol 2) Paper 3) Fuel 4) Pulp The thermal equator is found 38. 1) at the equator 2) at the Tropic of Cancer 3) north of the geographical equator 4) south of the geographical equator **39.** A large blood vessel that carries blood away from the heart is called.... 1) a vein 2) an artery 3) a capillary 4) nerve Horse latitudes lie within the atmosphere pressure belts of 40. 3) Sub-tropical high 1) Equatorial low 2) Polar high 4) Sub-polar low 41. Name the Continents that form a mirror image. 1) Asia and Africa 2) North America and South America 3) Africa and South America 4) Europe and Asia 42. Which of the following is an air-borne disease? 2) Pink eye 3) Typhoid 4) Tuberculosis 1) Measles 43. Plants which grow on saline soils are 1) Xerophytes 2) Hydrophytes 3) Halophytes 4) Succulents 44. Which component of plants receives stimulus for flowering? 1) Stems 2) Branches 3) Leaves 4) Roots 45. Which one of the following hormones is a steroid? 1) Cortisone 2) Glucagon 3) Insulin 4) Oxytocin 46. Fungi are plants that lack 2) Carbon dioxide 3) Chlorophyll 4) None of these 1) Oxygen

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47.		r water. They have engir	_	
• / •	Petrol and oxygen	2) Diesel	3) Batteries	4) Stream
48.	Reptiles are	2) Diesei	3) Datteries	+) Sucam
70.	1) Cold blooded	2) Warm blooded	3) Non-hearing	4) Egg-laying
49.	Camberts law is related		3) Itom meaning	1) 255 111115
77.	1) Reflection	2) Refraction	3) Interference	4) Illumination
50.	•	ollowing is a major sour	•	4) indimitation
20.	1) Watermelon	2) Beetroot	3) Sugarçane	4) Date
	1) watermeron		THMETIC	4) Date
- 1	TC 1 1 1 C			
51.	•	•		s increased by 3 cm, a square eter of the original rectangle.
	1) 40 cm	2) 45 cm	3) 50 cm	4) 52 cm
52.	_	g the four walls at Rs.10		m at Rs.5 per sq. m is Rs.270 door and 2 windows occupy
	1) 4 m	2) 4.5 m	3) 5 m	4) 5.5 m
53.	A ratio between the area	a of a square of side a ar	nd an equilateral triangle	of side a is
	1) $2:\sqrt{3}$	2) 1 : $\sqrt{3}$	3) $\sqrt{3}$: 1	4) 4 : $\sqrt{3}$
54.	Length and breadth of a radius	a rectangle is 7 m and 3	.5 m respectively. Find th	ne area of circle of maximum
	1) 9.625	2) 9.74	3) 9.8	4) 9.725
55.	Find the area of a rhom	bus one side of which m	neasures 20 cm and one d	iagonal is 24 cm.
	1) 370 cm ²	2) 365 cm ²	3) 380 cm ²	4) 384 cm^2
56.	In an examination, a stu	ident was asked to find -	$\frac{3}{14}$ of a certain number. F	By mistake, he found $\frac{3}{4}$ of
	it. His answer was 150	more than the correct an	swer. Find the given num	nber.
	1) 120	2) 160	3) 181	4) 280
57.			105 cms in a class. Then the average height of the control of the	n 10 students with an average class now?
	1) 100	2) 110	3) 120	4) 130
58.	A walks from P to Q @	3 km/hr and from Q to	P@ 6 km/hr. What is his	s average speed?
	1) 4.3 km/hr	2) 4.6 km/hr	3) 4 km/hr	4) 3 km/hr
59.	$(51 + 52 + 53 + \dots + 1)$	100) is equal to:		
	1) 2525	2) 2635	3) 3775	4) 3565
60.		spirit and water contain centage of water to 25%		water must be added to this
	1) 4	2) 8	3) 12	4) 16

61.

1) 46

What is the cost price of the article?

The profit obtained by selling an article for Rs.56 is the same as the loss obtained by selling it for Rs.42.

3) 48

4) 49

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62.	An article is sold at a copercent at original price.	ertain price. By selling i	t at $\frac{2}{3}$ of that price one 1	oses 10%. Find the gain
	1) 15	2) 25	3) 35	4) 40
63.	A boat moves upstream a speed of the current is:	at the rate of 1 km in 20 i	minutes and down stream	1 km in 12 minutes. The
	1) 1	2) 2	3) 3	4) 4
64.	When simplified, the production		$\left(1-\frac{1}{4}\right)\left(1-\frac{1}{n}\right)$ gives	
	1) $\frac{1}{n}$	2) $\frac{2}{n}$	3) $\frac{2(n-1)}{n}$	$4) \frac{2}{n(n+1)}$
65.	If the speed of a man is 4	5 km per hour, then what	is the distance travelled b	by him in 30 seconds?
	1) 355	2) 365	3) 375	4) 385
66.	If A is thrice as fast as B work?	and together can do a wor	k in 21 days. In how man	y days A alone can do the
	1) 21	2) 28	3) 35	4) 42
67.	The interest on a certain interest in one year be on		Rs.405 in one year. How o.a.?	much will the additional
	1) 50	2) 45	3) 10	4) 35
68.			deposit scheme for 2 year maturity of the fixed depo	s at compound interest of sit?
	1) 5620	2) 8820	3) 8260	4) 8230
69.	A and B started a busine earned after 2 years be di	_		7. In what ratio the profit
	1) 9:2	2) 6 : 5	3) 8:3	4) 6:1
Direc	tions (70 – 75): Study the	e following graph carefull	y and answer the question	as below:
	Total Sales of Hind	7000	ers in five different local	ities of a city
	les	5000	5000	
	Total Sales	4000 - 3000 - 3500 - 4000	3500	
	Tota		¥2500 ¥2500	
		0		
	00.	P Q	R S T	
	4.1	Loca		
70. What is the difference between the total sale of Hindi newspaper and the total sale of English newspaper in all the localities together?				
	1) 4000	2) 5000	3) 3000	4) 2500
71.	•	•	•	of the total sale of Hindi
, 1.	newspaper in all the local		Toximutery what percent	or the total sale of Hillar

2) 15%

1) 20%

3) 18%

4) 24%

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72	Wiles is the matic of the	-16 III1:	in 11:4 D 4411-	- f. E 1: -1
72.	locality T?	sale of Hindi newspaper	in locality R to the sale	of English newspaper in
	1) 12:7	2) 11 : 7	3) 7:12	4) 8 : 12
73.	The sale of English and F newspaper in locality S?	Hindi newspaper in localit	y P is what percent of the	sale of English and Hindi
	1) 220	2) 125	3) 120	4) 135
74.	What is the total sale of I	English newspaper in all t	he localities together?	2 • "
	1) 22000	2) 20000	3) 25000	4) 21000
75.	What is the average sale	of English and Hindi new	spaper in locality R and S	?
	1) 9000	2) 14000	3) 12000	4) 8000
	GEN	NERAL INTELLIGEN	NCE & REASONING	
76.	In the following question letters of the given word.	from the given alternative	es select the word which ca	annot be formed using the
	COMPLICATED	0,0,		
	1) CAMEL	2) COMPACT	3) COMPEL	4) DUPLICATE
77.	In the following question letters of the given word.	from the given alternative	es select the word which ca	annot be formed using the
	REFRIGERATOR			X
	1) REGENERATE	2) FREE	3) REFER	4) REGRET
78.	If $324 + 289 = 35$			
	441 + 484 = 43			2 • ′
	625 + 400 = 45			0"
	Then, $256 + 729 = ?$		7.O>,	
	1) 35	2) 34	3) 32	4) 43
79.	If $2 \star 6 = 32$; $7 \star 4 = 2$	7, then $7 \star 6 = ?$	2	
	1) 73	2) 37	3) 67	4) 42
80.	If $15 + 23 = 11$ and $22 +$	32 = 10 then $42 + 36 = ?$		
	1) 26	2) 28	3) 33	4) 24
81.	If in a certain code FLOV	VER is written as JPSAIV	V. How will CURTAIN be	written in that code?
	1) UGYEMRX	2) GYVXEMR	3) YUERMX	4) GYUEMRX
82.	Which alternative provide	es the answer?		
	If $2 + 3 = 8$; $2 + 3 = 10$; 3	3 + 4 = 21, then $3 + 5 = ?$	•	
	1) 45	2) 18	3) 24	4) 30
83.	If 'PUNCTUATION' is 'PARLIAMENT' coded?	s coded as 'QVODUV	BUJPO' and 'SING' as	'TJOH', then how is
	1) QTBSMJOFOU		2) QASTMJNFOU	
	3) QBSMJKNFMU		4) QBSMJBNFOU	

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- **84.** A carriage driving in a fog passed a man who was walking at the rate of 3 km an hour in the same direction. He could see the carriage for 2 minutes and it was visible to him upto a distance of 100 m. What was the speed of the carriage?
 - 1) 2 km/hour
- 2) 4 km/hour
- 3) 6 km/hour
- 4) 8 km/hour
- **85.** A man walked 10 km towards South from his house. Then he turned right and walked 6 km. He again turned right and walked 10 km. Thereafter, he turned right and walked 6 km, how far was he from the starting point?
 - 1) 3 km
- 2) 4 km
- 3) 2 km
- 4) 0 km

86.



- 1) 2245
- 2) 2454
- 3) 2154
- 4) 2254

87. 818 (27) 926

703 (?) 639

1) 20

2) 28

3) 16

4) 17

 88.
 9
 3
 8

 6
 6
 6

 15
 8
 11

1) 8

2) 9

3) 7

- 4) 10
- **89.** John walks 8 metres towards East and then back 13 metres; then he turns left and walks 4 metres; then walks 5 metres after turning left; he turns left again and walks 3 metres. How far is he from the starting point?
 - 1) 5 metres

2) 2 metres

3) 1 metre

- 4) 3 metres
- **90.** Which of the following sets of operation with the usual notation replacing the star in their order makes the statement valid?

 $10 \star 2 \star 10 \star 10$

- 1) \uparrow , <, ×
- 2) ×. >. ↑
- 3) ↑, ≥, ×
- 4) \uparrow , >, \times
- 91. If South East becomes North, North East becomes West, then what will North –West becomes?
 - 1) South West

2) South – East

3) East

4) South

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92.	Which one of the answer figures is hidden in the give	ven question figure?	
	Question figure:		
			~
	A		net
	Answer Figures:	1	17
	+ + + + + + + + + + + + + + + + + + + +	407	2.
	(A) (B) (C) (D)		
	1) A 2) B	3) C	4) D
93.	Which answer figure will complete the form in the c	question figure?	
	Question figure:	0	
	Answer Figures:		
	Allower Figuress.		
	(A) (B) (C)	D)	~
		3) C	4) D
94.	If a mirror is placed on the line MN, then which, of		
	figure?	the answer figures is the	right image of the given
		the answer figures is the	right image of the given
	figure?	the answer rigures is the	right image of the given
	figure? Question figure:		right image of the given
	figure?	the answer rigures is the	right image of the given
	figure? Question figure:		right image of the given
	figure? Question figure:		right image of the given
	figure? Question figure: Answer Figures:	at 1000	3. °
95.	Answer Figures: 1) A 2) B	3) C	4) D
95.	Answer Figures: 1) A 2) B A sheet of paper has been folded as shown by the que the four answer figures, how it will appear when open	3) C estion figures. You have to	4) D
95.	Answer Figures: 1) A 2) B A sheet of paper has been folded as shown by the que	3) C estion figures. You have to	4) D
95.	Answer Figures: 1) A 2) B A sheet of paper has been folded as shown by the que the four answer figures, how it will appear when open	3) C estion figures. You have to	4) D
95.	Answer Figures: 1) A 2) B A sheet of paper has been folded as shown by the que the four answer figures, how it will appear when ope Question figure:	3) C estion figures. You have to	4) D
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