www.eenadupratibha.net **RAILWAY RECRUITMENT BOARD** ALLAHABAD **ASSISTANT LOCO PILOT** (PREVIOUS PAPER 2010) **BASED ON MEMORY**

Time: $2\frac{1}{2}$ Hours

Max.Marks: 50

Directions (1 - 8): In each of the following sentences, four words have been printed in BOLD which are numbered as 1, 2, 3 and 4. One of these words may be mis-spelt or inappropriate in the context of the sentence. Find out the wrongly-spelt or inappropriate word. The number of that word is the answer. If all the words are correctly spelt and are appropriate, the answer is (4) i.e. All correct.

- Napoleon is universally (1) / acknowledged/(2) / to have been one of the great (3) / 1. of generals. All correct. (4)
- 2. He <u>have(1)/risen</u> to eminence (2)/ from <u>poverty(3)</u>/ and abscurity. All correct (4).
- 3. The king <u>allowed</u> (1)/ no cows to be <u>slaughtered</u> (2)/ in his <u>territory</u> (3)/ All correct. (4).
- **4**. She is anxious (1)/ to releave (2) them of their sufferings (3)/ All correct (4)
- 5. His finished (1)/ manners (2)/ produced a very favourable impression (3). All correct. (4).
- Education is the best (1)/ pressing(2)/ need of our (3)/ country. All correct (4)**6**.
- 7. The <u>policemens</u> (1)/ running with all is speed, was <u>scarcely</u> (2)/ able to <u>overtake</u> (3)/ the thief. All correct (4).

Enchanted (1)/ with the whole seen (2)/ I lingered on my voyage. (3) All correct (4). 8. **Directions (9-13):** Fill in the blanks with the appropriate word. Choosing it from the options given.

I found it difficult to cope- Mathematics at the advanced level. 9.

1) wit 2) of 3) for 4) up **10.** It is natural in every man to wish.... distinction 1) of 2) with 3) for 4) up The goat subsists... the coarsest of food 11. 4) to

2) for 1) on 3) in

- **12.** It was formerly supposed that malaria was due... poisonous exhalations.
 - 1) of 2) with 3) for 4) to
- 13. The celebrated grammarian Patanjali was a contemporary... Pushyamitra Sunga.

4) to

1) for 2) with 3) of

Directions (14-16): Critically examine the statement given in bold and answer the questions.

- 14. Un easy lies that the head that wears the crown.What does this mean?
 - 1) The crown worn by the king does not mean that he is a happy man.
 - 2) The king wears a crown of gold and gems but his responsibilities make him restless and unhappy.
 - 3) People who are rich and powerful are generally restless and worried.
 - 4) Those who are in high positions and wealthy are mostly restless because of their responsibilities like kings.
- **15.** The circumstances of birth are irrelevant. What you do with gift of life determines what you are.
 - Which statement best explains this?
 - 1) One may be born rich or poor. But how he lives speaks of his real self.
 - 2) Misfortunes come even if we are born rich. But success in life depends on our own efforts to live a good life.
 - 3) Birth alone does not contribute to success in life. Life is precious and is a free gift of God. We should make it worth living.
 - 4) Great qualities are given by God as gifts. We should make good use of them to achieve success in life.
- 16. Your mind is like a parachute : It works when it is open.
 - What does the statement imply?
 - 1) Parachutes are meant for saving lives and you have to open them to do that.
 - 2) Open mindedness is what is essential. We should share with others our joys,
 - sorrows, fears and hopes to make life meaningful.
 - 3) We should never close our minds to others. When we share, we become happier and contented.
 - 4) Our minds are like parachutes, closed. We must open them to share happiness.

Directions (17-20): Replace the bold portion by choosing the phrase from the given alternatives that best keeps the meaning of the original sentence.

ne

- **17.** The researcher has to mull over his idea for several days.
 - 1) To organise his idea for a number of days.
 - 2) To remember his ideas for several days.
 - 3) to scrutinise his ideas for many days.
 - 4) to ponder over his ideas for several days.
- **18.** The function would has been enjoyable. *If all extraneous activities has been dropped from the programme.*
 - 1) If all the irrelevant activities had been dropped from the programme.
 - 2) If all the excessive activities had been dropped from the programme.
 - 3) If all over extended activities had been dropped from the programme.
 - 4) If the exceptional activities had been dropped from the programme.
- **19.** The professor wants him to improve the coherence of his term paper.
 - 1) to increase the distinctiveness of his term paper
 - 2) to improve the consistency of his term paper
 - 3) to improve the rationality of his term paper
 - 4) to enhance the quality of his term paper
- **20.** Researches warn of the *impending extinction of many species of plants and animals.*
 - 1) imminent extinction of many species of plants and animals.
 - 2) irrefutable extinction of several species of plants and animals.
 - 3) absolute extinction of species of plants and animals.

4.formidable extinctions of many species of plants and animals.

Directions (21-24): Each of these questions has a sentence that has been scrambled and the scrambled parts have been marked A, B, C, D and E. Find the correct of the parts to reconstruct the sentence.

- **21.** A. in different regions of that federation.
 - B. that was Yugoslavia

C. the fundamental cause has been the very large difference in the quality of life.

- D. although the dismemberment of the federation.
- E. is seen more as the result of an ethnic conflict.

1) D, B, E, C, A. 2) C, E, B, D, A 3) B, C, E, D, A 4) A, B, D, E, C

www.cenauuprationa.net					
22. A. but there is so	• A. but there is some merit in it				
B. as distinct fro	B. as distinct from consumption				
C. the bifurcation	C. the bifurcation of plan and non-plan funds				
D. insofar as it fo	D. insofar as it focuses attention on development expenses.				
E. in the budget	is artificial		11		
1) D, C, A, B, E		2) C, D, B, E, A	· ?· °		
3) C, E, A, B, D		4) D, E, A, C, B			
23. A. Like the indus	strialised countries	+ 7 1			
B. As if they are	to be suffered as re	elics of a backward pa	ast.		
_		on to the nonmotorise	d transport modes		
-	by faster petroleum	-			
1) D, E, A, C, B	20.0	2) C, D, E, B, A			
3) C, D, A, D, E	100	4) C, D, B, E, A			
24. A. he was highly	sensitive and reser	ntful			
B. towards the co	ountry or to those		X		
C. when there was even implied discourtesy					
D. while he was extremely gentle and tolerant					
E. he held in hor	E. he held in honour				
1) A, C, D, B, E	1) A, C, D, B, E 2) D, A, C, B, E				
3) E, A, D, C, B		4) D, C, B, E, A			
	Directions (25-26): In these questions, select the alternative which has a relation with				
the four given words.	r these questions, se	sider the uncernative w	men nus a relation with		
25. Man, Arm, Presi	de Person				
		2) loadar	4) dominate		
1) woman	2) chair	3) leader	4) dominate		
26. Pigeon, revolutio	-	-			
1) violence	2) captivity	3) coup	4) follower		
27. Arrange the following in a meaningful order.					
A. Rain	B. Monsoon	C. Rescue			
D. Floods	E. Shelter	F. Relief			
1) ABDECF	2) ABCDEF	3) BADCEF	4) DABCFE		
	www.eenad	upratibha.ne			

28. During an interview, there were drivers who knew how to drive cars, some buses and some only tempo vans. The company authority wished to select persons who knew how to drive all the vehicles. How can they select using the letters used in the Venn Diagram?



1) P

29. In this question, a statement is given followed by four alternative interferences. Select the one which is the most appropriate.

Statement:

Many creative persons become artists

Inferences:

- 1) Some artists are creative persons
- 2) A high level of creativity is needed to become an artist
- 3) It is not possible to become an artist without creativity.
- 4) A creative person will certainly become an artist
- **30.** If '+' means 'division'. means 'multiplication, '×' means minus \div means 'addition' then(75 × 25) 2 +50 10 = ?

20

Directions (31-32): Read the following information to answer these questions.

'P – Q' means 'Q' is daughter of P

 $'P \times Q'$ means 'P' is mother of 'Q'

'P + Q' means 'P' is father of 'Q'

31. Which of the following would definitely indicate that C is daughter of B?

1) $A - B \times C$ 2) $B + C \times A$ 3) B + C 4) None of these

	www.eenadupratibha.net					
32.	If $S \times M + N - T$, then which of the following is not true?					
	1) T is wife of M		2) S is grandmothe	r of N		
	3) T is mother-in-	law of T	4) N is grandson of	of S		
33.	There are deers a	and peacocks in a z	oo. By counting hea	ads they are 80. The		
	number of their le	gs is 200. How man	y peacocks are there	?		
	1) 60	2) 20	3) 50	4) 30		
34.	-	-		turns left and walks arns left and walks 15		
	km to reach a parl	k. Which direction is	s she facing now?			
	1) East	2) West	3) North	4) South		
35.	Find out the missi	ng number on the ba	asis of a particular tre	end.		
	8 17 33	2014				
	12 5 29	20.0				
	10 13 ?	Ω^{O}				
	1) 23	2) 33	3) 9	4) 43		
36.			tten as 4356127. Ho	w would STEAM be		
	written in that cod		0) 56541			
	1) 50713	2) 57614	3) 56741	4) 56714		
37.	Rs.12 Thus he ear		or Ks.10 and sells the	em at 10 balloons for		
	1) 35%	2) 36%	3) 75%	4) 50%		
38.		,		area of the circle is		
	increased by	a enere is increased		area of the effete is		
	1) 125%	2) 100%	3) 75%	4) 50%		
39.	A alone can comp	lete a work in 16 day	ys and B alone in 12 of	days. Starting with A,		
	-		work will be comple			
	1) 12 days	2) 13 days	3) $13 \frac{5}{7}$ days	4) $13 \frac{3}{4}$ days		
40.		by 68 gives the quo by 67, the remainde		nder zero. If the same		
	1)0	2) 1	3) 2	4) 3		
<	$(1) = \frac{1}{1}$,	5, 4	1) 5		
41.	$\left(\frac{1}{2}\right)^{-\frac{1}{2}}$ is equal	to				
	1) $\frac{1}{\sqrt{2}}$	2) $\sqrt{2}$	3) $2\sqrt{2}$	4) $\frac{1}{2\sqrt{2}}$		
	www.eenadupratibha.net					

		www.eenad	lupratibha.n			
42.	•		a rectangle are in f the rectangle will	the ratio 3 : 2 with its be:		
	1) 24 cm ²	2) 48 cm ²	3) 72cm ²	4) 96 cm ²		
43.	In a hotel, 60%	has vegetarian lun	ch while 30% had	non-vegetarian lunch and		
	•	-	5 people were prese	nt, how many did not eat		
	either type of lur					
	1) 20	2) 24	3) 26	4).28		
44.	The area of the 18cm by14 cm, i		can be drawn insi	de a rectangle with sides		
	1) 49cm ²	2) 154cm ²	3) 378cm	4) 1078cm ²		
45.	If the sides of a	triangle are 5 cm,	4 cm and $\sqrt{41}$ cm, t	then the area then he take		
	the area of triang	gle is				
	1) 20cm ²	20-1	2) $(5 + 4 + \sqrt{4})$	$\overline{1}$)cm ²		
	$3)\frac{5+4+\sqrt{41}}{3}$	$cm^{2/3}$	4) 10 cm ²			
46.	$(8 \div 88) \times 88880$	88 is equal to				
	1) 808008	2) 808088	3) 808080	4) 8008008 🗙		
47.	If $A : B = 2 : 3 a$	nd $B : C = 4 : 5$, the second secon	nen A : B : C is	e v		
<	1) 2:12:5	2) 8:12:15	3) 12:8:15	4) 15:12:8		
48.	A clock strikes o	nce at 1 O' clock ty	wice at 2 O'clock the	rice 3 O' clock and so, on.		
	How many times	s will it strikes in 2	4 hours?			
	1) 78	2) 136	3) 156	4) 196		
49.	In India, the Chi	ef Justice of a High	h Court is appointed	l by the		
	1) Chief Ministe	r of the concerned	state			
	2) Governor of t	he concerned State				
	3) Chief Justice	of India				
	4) President of In	ndia				
50.	Who among the	following are likel	y to benefit from in	flation in a country?		
	1) Creditors	2) Debtors	3) Salaried peo	ople 4) Wage earners		
51.		lowing statements				
	1) The Vice-Pres	ident is elected for	a period of six yea	rs.		
	2) For election a	s Vice-President a	person should be the	e member of Rajya Sabha		
	 Electoral college for the election of Vice-President is different from that of the President 					
	4) Council of Ministers is responsible to the President					
	www.eenadupratibha.net					

		www.eenauu	prationa.net		
52.	Mule is the hybrid	d of	_	-	
	1) male donkey as	nd female horse	2) male horse and	a female donkey	
	3) male horse and	female zebra	4) female horse an	d male zebra	
53.	Lunar Eclipse occ	curs when		X	
	1) Earth is between the Suns and the Moon.				
	2) Moon is betwe	en the Sun and the N	Aoon	Q • Y ·	
	3) Sun is between	the Moon and the E	Earth	0	
	4) Earth is at righ	t angle to the direction	on of the Sun and the	e Moon	
54.	How many minute	es for each degree of	longitude does the lo	ocal time of any place	
	vary from the Gre	enwich time?	r 7-		
	1) 4	2) 6	3) 2	4) 8	
55.	The basic charact	eristic of Oligopolog	gy is		
	1) a few sellers, a	few buyers	2) a few sellers, m	any buyers	
	3) many sellers, o	one buyer	4) a few sellers, on	e buyer	
56.	The headquarters	of International Lab	our Organization is	located at	
	1) Geneva	2) Vienna	3) Zurich	4) Paris	
57.	In sports, the term THIRD EYE is connected with				
	1) Archery	2) Cricket	3) Shooting	4) Billiards	
58.	Electrification in rural areas can be done better and at cheaper rates through				
	1) coal power	2) biogas	3) nuclear energy	4) solar energy	
59.	The upanishads d	eal with	+ 7-		
	1) social behaviou	ur of man	2) religion of the H	Hindus	
	3) ancient Hindu	laws	4) All of these		
60.	Dada Saheb Phall	ke Award is given to	an achiever in the fie	eld of	
	1) Cinema	2) Literature	3) Art	4) Journalism	
61.				n the variables which	
		properties, is governe		11 .1	
	1) pressure exerte		2) volume occupie	d by the gas	
	3) temperature of	-	4) All of these	C (1 1 10	
62.	The amount of he C is called	at required to raise th	he temperature of 1 k	g of water through 1°	
		t constant volume	2) Specific heat at	constant pressure	
	 Specific fleat a Kilocalorie 		4) None of these	constant pressure	
	<i>5)</i> KIIOCAIOIIC				
			nratihha nat		



	www.eenadu			
71.	Which of the two metals are mixed in	manufacturing stainless steel?		
	1) Zinc, Chromium	2) Nickel, Chromium		
	3) Chromium, Iron	4) Nickel, Iron		
72.	Which gas is evolved during photosyn	thesis in plants?		
	1) Carbon dioxide	2) Oxygen		
	3) Nitrogen	4) Hidrogen		
73.	Why is ozone layer important to mank	ind?		
	1) It creates a protective covering agai	nst ultraviolet rays		
	2) It remains the temperature of earth	201		
	3) It release oxygen in the atmosphere			
	4) It release Corban Dioxide in the atm	nosphere		
74.	The temperature at which the volume	of a gas becomes zero is called		
	1) absolute temperature	2) absolute zero temperature		
	3) absolute scale of temperature	4) None of these		
75.	For the reversibility of a cycle, there s	hould be		
	1) loss of energy	2) no loss of energy		
<	3) gain of energy	4) no gain of energy		
76.	The amount of heat generated/kg is kn	own as		
	1) heat energy	2) calorific value		
	3) lower calorific value	4) higher calorific value		
77.	A four stroke cycle petrol engine requires for strokes of the piston to complete			
	1) one cycle of operation	2) two cycles of operation		
	3) four cycles of operation	4) eight cycles of operation		
78.	The advantage(s) of an economiser is/	are		
	1) it increases the efficiency of the boiler plant			
	2) it reduces the range of temperature between different parts of the boiler			
	3) it makes for more rapid evaporation			
	4) All of these			
79.	9. The joint in which the number of rivets decreases as we proceed from innermost			
	row to the outermost row, is known as			
	1) chain riveted joint	2) zia zag joint		
	3) diamond riveted joint	4) double riveted butt joint		
1				

80.	In case a hinged support the reaction				
	1) acts in a direction perpendicular to the plane on which hinge is supported				
	2) may be in any direction depending upon the bed				
	3) reactions are perpendicular to the plane of bottom surface of the structure.				
	4) None of these				
81.	Bitumen is a	~~~··			
	1) natural organic substance	2) synthetic organic substance			
	3) semi-synthetic organic substance	4) None of these			
82.	The electron emission method used in	vacuum tube is			
	1) thermionic emission	2) low electric field emission			
	3) high electric field emission	4) None of these			
83.	Open circuit test on transformers is co	onducted to measure			
	1) core loss 2) friction loss	3) copper loss4) None of these			
84.	• As open fuse has a resistance of				
	1) Zero	2) infinity			
	3) about 100 ohms at room temperature 4) at least 1000 ohms				
85.	Electrical resistance and heating elem	ents are made from:			
	1) brass 2) copper	3) nichorme (4) gun metal			
86.	The energy is emitted from a body in t	iny packets and not as a continuous stream.			
	This statement is based on:	+ 7 -			
	1) Plank's quantum	2) Bohr's theory			
	3) Balmer theory	4) Photoelectric effect			
87.	Radiation can be detected by				
	1) ammeter 2) voltmeter	3) electrometer 4) oscillator			
88.	The point, though which the whole w	weight of the body acts irrespective of its			
	position is known as				
	1) moment of inertia	2) centre of gravity			
<	3) centre of percussion	4) None of these			
89.	A machine having an efficiency less the	han 50% is known as			
	1) reversible machine	2) non-reversible machine			
	3) neither (1) or (2)	4) ideal machine			

90.	If the gravitational acceleration at any place is doubled, then the weight of body will be			
	$1)\frac{q}{2}$	2) g	3) 2g	4) 2g
91.	The unit of accele	eration is		100
	1) kgm	2) m/sec	3) m/sec ²	4) rad/sec ²
92.	A rubber ball is d	ropped from a height	t of 2m. If there is no	loss of velocity after
	rebounding, the b	all will rise to a heig	ht of	
	1) 1m	2) 2m	3) 3m	4) 4m
93.	One watt is equal	to	0)	
	1) 0.1 joule/sec	2) 1 joule/sec	3) 10 joule/sec	4) 100 joule/sec
94.	When the spring	of a watch is wound,	it will possess	
	1) strain energy	2) kinetic energy	3) heat energy	4) electrical energy
95.	A beam which is	fixed at one end and	free at the other is ca	alled
	1) simple support	ed beam	2) fixed beam	
	3) overhanging be	eam	4) cantilever beam	Ň
96.	According to first	a law of thermodynar	nics	26
	1) total internal en	nergy of a system du	ring a process remain	ns constant
	2) total energy of a system remains constant			
	3) work done by a system is equal to the heat transferred by the system			
	4) internal energy	, enthalpy and entrop	by during a process re	emain constant
97.	The transfer of he	eat from one place to	another may take pla	ace by
	1) conduction	2) convection	3) radiation	4) any of these
98.	The density of flu	id varies with the		
	1) change of temp	berature	2) change of	pressure
	3) change of temp	perature and pressure	e both 4) None of th	ese
99.	Piezometer is use	d to measure		
	1) atmospheric pr	ressure	2) very low pressure	re
<	3) very high press	sure 4) d	ifference in pressure	between two points
100	• The weight of an	object would be min	nimum when it is pla	ced at
	1) north place		2) south place	
	3) equator		4) centre of the ear	th

101. The gravitational force of attraction between the sun and earth is balanced by					
1) centrifugal force	2) centripetal force				
3) law of conservation of mass	4) gravitational force				
102. The rate of change of momentum is	02. The rate of change of momentum is proportional to				
1) torque impressed	2) force impressed				
3) time during which the force is ap	plied 4) change in velocities				
103. The energy possessed by a horse run	nning on level road is				
1) work energy	2) heat energy				
3) kinetic energy	4) potential energy				
104. The value of acceleration due to gra	wity for earth is				
1) greater at poles than at equator	2) greater at equator than at the pole				
3) same at both places	4) constant everywhere				
105. Within classic limit, the ratio of late	ral strain to the linear strain is known as				
1) modulus of rigidity	2) bulk modulus				
3) modulus of elasticity	4) poisson's ratio				
106. Power factor of an inductive circula	r can be improved by connecting a capacitor				
to it in					
1) series	2) parallel				
3) either series or parallel	4) depends on the value of capacitor				
107. For the same load, if the power fact	107. For the same load, if the power factor of load is reduced, it will draw.				
1) more current	2) less current				
3) same current but less power	4) less current more power				
108. Mica is used in an electric iron beca	use it is a				
1) bad conductor of heat	2) good conductor of heat				
3) good conductor of electricity	4) bad conductor of electricity				
109. Name like LOTUS, JAVA, ORACL	E refer to which area of activity				
1) Telecommunication	2) Missile technology				
3) Computer hardware	4) None of these				
110. Which one of the following is an an	110. Which one of the following is an anti-tank missile?				
1) Agni 2) Nag	3) Prithvi 4) Trishul				
111. At what temperature do both Centigrade and Fahrenheit thermometers show the same reading?					
1) -20° 2) -40°	3) 42° 4) 0°				
www.eenad	upratibha.net				

112. A sudden fall in barometer reading indicates that the weather will be					
1) turbulent	2) rainy	3) cool	4) None of these		
113. Plants take nitrogen in the form of					
1) nitrogen	2) nitrous oxide	3) nitrates	4) nitrogen oxide		
114. India's contribution	n to mathematics inc	cludes	1		
A. Number system B. Zero		C. Decimal system			
1) A and B	2) A	3) B and C	4) A, B and C		
115. Which gland in hu	man body maintains	s body temperature?			
1) Pitutary	2) Thyroid	3) Adrenal	4) Hypothalamus		
116. The chemical beha	viour of an atom is	determined by its			
1) Atomic mass.	2) Atomic weight	3) Atomic number	4) None of these		
117. If the length and ca	ross sectional area o	of a wire are doubled,	its resistance will		
1) remain unchanged		2) become twice	2) become twice		
3) reduce to one half		4) increase four times			
118. The line joining the north and south poles of a magnet is called					
1) Magnetic axis		2) Magnetic Meridi	ian		
3) Magnetic field		4) None of these			
119 . An electric charge	in uniform motion	produces	A		
1) an electric field	only	2) a magnetic field	only		
3) both electric and	d magnetic field	4) None of these			
120. The velocity of α	rays is				
1) 3×10^{6} m/s	2) 9×10^8 m/s	3) 10 ⁸ m/s	4) None of these		
ANSWERS					
1-3; 2-1; 3-1; 4-2; 5-4; 6-1; 7-1; 8-2; 9-1; 10-3; 11-1; 12-4; 13-3; 14-4;					
15-2;16-2;17-4; 18-1; 19-2; 20-1; 21-1; 22-3; 23-4; 24-2; 25-2; 26-4; 27-3;					
28-1; 29-1; 30-1; 31-1; 32-1; 33-1; 34-2; 35-2; 36-4; 37-3; 38-1; 39-4; 40-2;					
41-2; 42-1; 43-2; 44-2; 45-4; 46-1; 47-2; 48-3; 49-4; 50-2; 51-3; 52-2; 53-1;					
	54-1; 55-2; 56-1; 57-3; 58-4; 59-4; 60-1; 61-4; 62-3; 63-4; 64-2; 65-3; 66-1; 67-1: 68-2: 69-4: 70-4: 71-3: 72-2: 73-1: 74-2: 75-2: 76-2: 77-1: 78-4: 79-3:				
67-1; 68-2; 69-4; 70-4; 71-3; 72-2; 73-1; 74-2; 75-2; 76-2; 77-1; 78-4; 79-3;					

www.eenadupratibha.net

116-3; 117-1; 118-1; 119-3; 120-1.

80-1; 81-3; 82-1; 83-1; 84-2; 85-3; 86-1; 87-3; 88-2; 89-2; 90-4; 91-3; 92-4; 93-2; 94-1; 95-4; 96-3; 97-4; 98-3; 99-4; 100-4; 101-2; 102-2; 103-3; 104-1; 105-4; 106-1; 107-1; 108-1; 109-4; 110-2; 111-2; 112-1; 113-1; 114-4; 115-4;