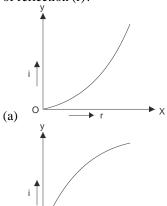
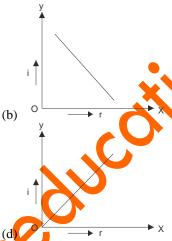
Railway Recruitment Board, Gorakhpur (General Awareness)

Diesel Assistant Recruitment Examination October 2006 Question Paper (Fully Solved)

- 1. When a ray of light passes from an optically denser medium to a rarer medium, it
 - (a) Remains undeviated
- (b) Bends towards normal
- (c) Bends away from normal
- (d) None of these
- 2. Which of the following denotes the graphic relationship between angle of incidence (i) and angle of reflection (r)?





3. The shaded portion in the following velocity time graph is



- (a) Average Velocity
- (b) Distance Covered

(c) Displacement

- (d) Average Acceleration
- 4. The time period of a seconds pendulum is
 - (a) 1 second

(b) 4 seconds

(c) 3 seconds

- (d) 2 seconds
- The nuclear fuel in the sun is
 - (a) Helium

(b) Uranium

(c) Hydrogen

- (d) Oxygen
- 6. The second's hand of a watch is 2 cm long. The velocity of its tip is
 - (a) 0.21 cm/sec.

(b) 2.1 cm/sec.

(c) 21 cm/sec.

- (d) None of these
- 7. In diesel engine, ignition is caused by
 - (a) Spark

(b) Automatic starter

(c) Compression

(d) Friction

8.	The mass-energy equivalence, relations (a) Max Plank(c) Newton	ship E = mc ² was propounded by (b) Einstein (d) Hertz	
9.	The filament of bulb is made of (a) Tungsten (c) Nichrome	(b) Iron (d) Carbon	
10.	Anti-knocking can be lessened by (a) Iso Octane (c) TEL	(b) N Heptane (d) Benzene	
11.	In which of the following oxidation sho (a) CO (c) NO	ows a positive oxidation state. (b) N ₂ O (d) F ₂ O	
12.	Which of the following is used in photo (a) Silver Bromide (c) Potassium Chloride	ography? (b) Sodium Bromide (d) Sodium Sulphate	
13.	Which of the following is used in accur (a) Copper (c) Lead	mulator cell? (b) Iron (d) Zinc	
14.	Choose the wrong statement: (a) Single magnetic poles can exist (b) Magnetic poles are always of equa (c) Like poles repel each other (d) None of these	ıl str ength	
15.	Laws of electrolysis are given by: (a) Farady (c) Lenz	(b) Maxwell (d) Bohr	
16.	Flemings left hand rule is used to fine (a) Direction of magnetic field due to (b) Direction of induced current due to (c) Direction of motion of a current ca (d) None of these	flow of current offect of magnetic field	
17.	The pH of a neutral solution at 25°C is (a) 0 (c) 7.0	: (b) 1.0 (d) 1.4	
18.	The raw material used for the manufact (a) Limestone and clay (c) Gypsum and limestone	ture of Portland cement is : (b) Alumina, clay and gypsum (d) Gypsum and clay	
19.	CaOCI ₂ is the chemical formula for a c (a) Soda Ash (c) Bleaching Powder	ompound commonly known as : (b) Lime (d) Plaster of Paris	
20.	The glass used for making laboratory a (a) Pyrex glass (c) Soft glass	pparatus is : (b) Hard glass (d) Safety glass	

21.	The iron produced in blast furnace is : (a) Pig iron(c) Stainless steel	(b) Wrought iron(d) Steel	
22.	Formation is a 40% solution of: (a) Methanol(c) Methanoic acid	(b) Methenal(d) None of these	
23.	Which of the following is not an ore of (a) Cryolite (c) Bauxite		
24.	Rhombic monoclinic and plastic sulph (a) Isomers (c) Allotropes	r are: (b) Isotopes (d) Hydrides of sulphur	0//
25.	The alkaline hydrolysis of oils or fats g (a) Glycerol (c) Glycol	ves soap and : (b) Ethenol (d) Ethanoic acid	
26.	The sight of a delicious food usually m (a) Hormonal response (c) Optic response	kes month watery. It is a : (b) Neural response (d) Olfactory response	
27.	Nitrogen fixing bacteria are normally f (a) Parasitic plants (c) Leguminous plants	und in : (b) Epiphytic plants (d) Aquatic plants	
28.	Powdery mildew of wheat is caused by (a) Bacteria (c) Fungi	(b) Virus (d) Protozoans	
29.	Septic sore throat is caused by: (a) Bacteria (c) Fungi	(b) Virus(d) Protozoans	
30.	A person of blood group AB can give (a) 'A' and 'B' (c) 'A', 'B' and 'O'	lood to: (b) Only 'AB' (d) All of these	
31.	Cell activities are controlled by : (a) Chloroplast (c) Cytoplasm	(b) Nitochondria(d) Nucleus	
3 2 .	Which of the following helps eye to ac (a) Cornea (c) Ciliary body	ust the focal length of the eye lens : (b) Conjunctiva (d) Iris	
33.	When pollen of a flower is transferred to as: (a) Autogamy (c) Xenogamy	to the stigma of the same plant, pollination type (b) Allogamy (d) Geitonogamy	e is referred
34.	Respiration is a : (a) Catabolic process	(b) Anabolic process	

	(c) Both of these	(d) None of these	
35.	The structural and functional unit of	of kidneys are:	
55.	(a) Neurons	(b) Nephrons	
	(c) Medula	(d) None of these	
	(c) Medula	(d) None of these	
36.	•	generally nor present in adult human:	
	(a) Renin	(b) Pepsin	
	(c) Trypsin	(d) Amylopsin	1
37.	The part of the plant which is resu	sponsible for carrying water and solutes from roots to various	ıs
	parts of plants is:	The state of the s	
	(a) Phloem	(b) Xylem	
	(c) Duodenum	(d) Sclercids	
38.	'Widal test' is used for susceptibility	ty of :	
50.	(a) Malaria	(b) Typhoid	
	(c) Cholera	(d) Yellow fever	
	(c) Cholera	(d) Tellow level	
39.	Exchange of gases in plants takes pl		
	(a) Stomata	(b) Lenticels	
	(c) Cuticle	(d) All of these	
40.	'Lieutenant' in army is equivalent to	to following rank in navy	
10.	(a) Lieutenant	(b) Sub Lieutanant	
	(c) Lieutenant Commander	(d) None of these	
	(c) Electeriant Commander	(d) Note of these	
41.	Pankaj Advani is associated with:		
	(a) Snooker	(b) Golf	
	(c) Shooting	(d) Archery	
42.	Which city in the world is known as	s the forbidden city :	
12.	(a) Aberdeen	(b) Jerusalem	
	(c) Mecca	(d) Lhasa	
	14		
43.	Rajeev Gandhi Khel Ratna Award c		
	(a) Rs. 3 lakns	(b) Rs. 5 lakhs	
	(c) Rs. 1 lakh	(d) Rs. 7 lakhs	
44.	Who is known as Nightingale of In	ndia':	
	(a) Asha Bhonsle	(b) Begum Akhtar	
	(c) Sarojini Naidu	(d) Vijaylaxmi Pandit	
45.		ncluded in the UNESCO's list of world heritage site:	
	(a) Kaziranga National Park	(b) Qutab Minar	
	(c) Champaner Pavagarh	(d) None of these	
46.	Which of the following is not an ele	ectric resistant?	
	(a) Lead	(b) Ebonite	
	(c) Charcoal	(d) Lac	
47.	Which of the following is a complex	amentary colour?	
+/.	Which of the following is a complete		
	(a) Blue	(b) Yellow (d) Yellow and Maganta	
	(c) Magenta	(d) Yellow and Magenta	
48.	The velocity of sound increases in a	air by for every degree Celsius increase of temperature	٠.

48.

	(a) 60 m/sec.(c) 60 ft/sec.		0.61 m/sec. 0.61 km/sec.
49.	Henry is a unit of (a) Capacity		Magnetic field
	(c) Inductance	(d)	Frequency
50.	The velocity of rotation of Earth is		
	(a) 28 km/min	` '	30 km/min
	(c) 25 km/min	(a)	39.5 km/min Star Missile grape fruits?
51.	What is Hubble?		
	(a) Warship		Star
	(c) Telescope	(a)	Missile
52.	Which acid is normally found in lemo		grupe riures.
	(a) Citric acid		Tartaric acid
	(c) Ascorbic acid	(d)	Lactic acid
53.	At which temperature Fahrenheit and	Celsi	us show same reading?
	(a) -40°	(b)	00
	(c) -574.25°	(a)	2730
54.	Limestone is metamorphosed to form		
	(a) Graphite		Quartz
	(c) Granite	(d)	Marble
55.	Rift valley is formed by		
	(a) Earthquake	(b)	
	(c) Faulting	(d)	All of these
56.	If a piece of ice at 0°C is mixed with	vater	at 0° C, then
	(a) Whole ice melts	, ,	Some ice melts
	(c) No ice melts	(d)	Temperature decreases
57.	Mettur Dam is built on the river		
	(a) Krishna		Cauvery
	(c) Narmada	(d)	Mahanadi
58.	Mahendra Giri peak is situated in the		
	(a) Eastern Ghats	(b)	Western Ghats
	(c) Shiwaliks	(d)	Vindhyachal
59.	In what time a sum will double itself a	at 20%	6 per annum rate of interest?
	(a) 2 years		3 years
	(c) 4 years	(d)	5 years
60.	The famous Dilwara Temple is situate	ed in	
	(a) Madhya Pradesh		Maharashtra
	(c) Gujarat	(d)	Rajasthan
61.	Pneumonia affects		
	(a) Lungs	(b)	Tongue
	(c) Liver	(d)	Kidney
62.	The chemical name of Vitamin A is		

	(a) Retinol(c) Biotic		Jhiamin Riboflavin
63.	A 130m long train crosses a bridge in (a) 200m (c) 245m	(b)	conds at 45 kmph. The length of the bridge is 225m 250m
		. ,	
64.	the gain percent will be		n gains 10%. If the article is sold at twice of the price
	(a) 20%		60% 120%
	(c) 100%	(u)	120%
65.	Atoms are electrically charged as		
	(a) Positive	(b)	Negative
	(c) Bi-positive	(d)	Neutral
66.	Ionic bond exists in	(1-)	11.0
	(a) Kcl (c) NH ₃		H ₂ O Cl ₃
	(C) 1N113	(u)	CI3
67.	Which force is required to increase the	e mon	nentum of an object to 40 kg m/s in 5 seconds?
	(a) 2N		4N
	(c) 8N	(d)	10N
68.	The river that does not form delta is	<i>a</i> >	
	(a) Mahanadi		Tapti
	(c) Krishna	(u)	Cauvery
			2
69.	The ratio of the redius and height of	a cone	is 5 : 12, respectively. Its volume is $314\frac{2}{7}$ cc. Find its
	slant height.		,
	(a) 13cm	(b)	14cm
	(c) 17cm		26cm
70.		colle	ge. What is the probability that at least 3 of them have
	their birth days in the same month? (a) 3/27	(b)	2/12
	(a) 3/2/	(0)	3/12
	(c) $\frac{1}{2}$	(d)	1
	2		
71.	Who was the first winner of Dada Sah	eb Ph	alke Award?
	(a) B.N.Sarkar		Prithvi Raj Kapoor
	(c) Devika Rani		Kanan Devi
72.	How many members are nominated by		
4	(a) 12		15
	(c) 10	(a)	20
73.	Who was the founder of Brahmo Sam	ai?	
	(a) Raja Rammohan Roy		Aurobindo Ghosh
	(c) Vivekanand		Dyanand Saraswati
74.	The Parliamentary System in India ha		
	(a) America	(b)	Britain

	(c) Australia	(d)	Ireland
75.	The electric supply in India was first st (a) Kolkata (c) Mumbai	(b)	in Chennai Darjeeling
76.	Bhatnagar Prize is given in the field of (a) Peace (c) Science & technology	(b)	Music and dance Fine arts
77.	Who discovered the solar system? (a) Copernicus(c) Aryabhatta		Kepler Newton
78.	The Nobel Prize in Economics was star (a) 1901 (c) 1957	(b)	Newton n 1936 1967
79.	In India, the second largest in (a) Bengali (c) Telugu		Urdu Marathi
80.	The first Asian Games were held in (a) Manila(c) Jakarta	(b) (d)	Tokyo New Delhi
81.	The Islam was established in (a) 7 th A.D. (c) 3 rd B.C.	(b) (d)	5 th A.D. 5 th B.C.
82.	The Olympic Games 2012 will be held (a) Moscow (c) New York	(b)	Paris London
83.	The main factor of air pollution is (a) Lead (c) Zinc		Copper Gold
84.	The bauxite ore is found in (a) Musabani (c) Koderma		Karnapura Palamu
85.	The first fertilizer plant in India was es (a) Trombay (c) Alwaye	(b)	shed in Nangal Sindri
86.	Which of the following had strong navg (a) Bahmani (c) Chola	(b)	Chalukya Rashtrakuta
87.	The last king of Maurya Dynastry was (a) Brihdarth(c) Samprati		Kunal Salishuk
88.	How will the image formed by a conv by black paper?	ex le	ns be affected if the central part of the lens is covered



- (a) Remaining part of the lens will form no image
- (b) The central position of the image is absent
- (c) There will be no effect
- (d) The full image will be formed with lessened brightness
- 89. The force between two parallel wires conducting current is used to define
 - (a) Ampere

(b) Coulomb

(c) Volt

(d) Newton

- 90. A body is thrown vertically upward and it reaches 10m high. Find the velocity with which the body was thrown? (g = 9.8 m/s)
 - (a) 10 m/sec.

(b) 18 m/sec.

(c) 14 m/sec.

(d) 7 m/sec.

- 91. The buoyancy depends on the
 - (a) Depth of the fluid
- (b) Density of the fluid
- (c) Volume of the fluid
- (d) Weight of the fluid

ANSWERS 58. 1. (c) 20. 77. (a) (a) (a) 2. 21. 59. 78. (d) (a) (d) (d) 3. 22. 79. (b) (b) 60. (d) (c) 4. (d) 23. (d) 61. 80. (d) (a) 24. 5. (c) (c) (b) 62. (a) 81. (a) 6. (a) 25. (a) 44. (c) 63. (c) 82. (d) 7. (c) 26. (d) 45. (d) 64. (d) 83. (a) 8. (b) 27. (c) 46. (a) 65. (d) 84. (d) 9. (a) 28. 47. (d) 66. (a) 85. (d) 10. 29. 48. 67. 86. (c) (a) (a & (b) (c) 49. 87. 11. (d) (b) (c) 68. (b) (a) 12. 50. 69. 88. (a) (d) (a) (a) (d) 13. 70. 89. (a) (c) (c) 51. (c) (c) 14. 33. 71. 90. (a) (a) 52. (a) (c) (c) 15. 72. (a) 34. (a) 53. (a) (a) 91. (b) 35. 54. 73. 16. (b) (d) (c) (a) 36. 55. 17. (a) (c) 74. (b) 37. 75. (b) 56. (c) (d) 38. (b) 57. (b) 76. (c)