ww.Mahabadi.teren	I.com ursww.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.i
ww.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.i
ww.Manabadi.co.in		CLASS MARCH -		www.Manabadi.co.i
ww.Manabadi.co.in	www.Manabadi.co.in		www.Manabadi.co.in	www.Manabadi.co.i
		www.Manabadi.co.in		
]www.Manabadi.co.in www.Manabadi.co.in	www.ManaSection-In	www.Manabadi.co.in www.Manabadi.co.in	www.Manabadi.co.
	nswer all the questions in		www.Manabadi.co.in	
l	ch question carries 1/2 mar		www.Manabadi.co.in	www.Manabadi.co. 12 x ½ = 6 M www.Manabadi.co.
	the mean of the data -5,3,		www.Manabadi.co.in	www.Manabadi.co.
	t is the slope of y-axis?	www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.
			www.Manabadi.co.in	www.Manabadi.co.
	BC ~ ∆DEF, ∠A + ∠C = 10	www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.
4. If P(E	E) = 0.05 then find $P(\overline{E})$?	www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.
	the value of A + B if tan A		www.Manabadi.co.in	www.Manabadi.co.
	t is the angle in minor segr		www.Manabadi.co.in	www.Manabadi.co.
	t is the probability of getting			www.Manabadi.co.
	t is the meeting point of line			www.Manabadi.co.
	t is the x-coordinate of mee	24702 12 4021 23		www.Manabadi.co.
	t is the probability of getting	• •		
	t is the point of concurrenc			www.Manabadi.co.
ww.Manabadi.co.in	t do we call the parallelogra www.Manabadi.co.in		www.Manabadi.co.in	www.Manabadi.co.
		www.Manabadi.co.in www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.
Note: 1. A	nswer all the questions.		www.Manabadi.co.in	
ww.Manabadi.co.in	ach question carries 1 mar	'k. www.Manabadi.co.in		www.Manabadi.co. 8 x 1 = 8 M www.Manabadi.co.
13. If a s	quare has its side 7 cm the	en what is the length of its	diagonal? www.Manabadi.co.in	www.Manabadi.co.
ww.Manabadi.co.in 14. If sin ww.Manabadi.co.in	$(90 - A) = \frac{1}{2}$ then what is	the value of A?	www.Manabadi.co.in	www.Manabadi.co.
				Aww.Manabadi.co.
15. If are	a of triangle ABD = 12 cm ²	² then what is the area of <i>A</i>	∆ABC if AD is its	www.Manabadi.co.
ww.Manabadi.co.in	an? www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.
	www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.
16. Find ww.Manabadi.co.in	the distance between two	points (1, –2), (–3, 2)?	www.Manabadi.co.in	www.Manabadi.co.
17. What ww.Manabadi.co.in	t are the measures of centre	ral tendency?	www.Manabadi.co.in	www.Manabadi.co.
18. If a d	ie is thrown once then wha	at is the probability of getti	ng even prime number?	www.Manabadi.co.
	e angle of elevation?	www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.
	t are the conditions require			www.Manabadi.co.
	www.Manabadi.co.in	www.Man <u>Section-III</u>	www.Manabadi.co.in	www.Manabadi.co.
	nswer all the questions.	www.Manabadi.co.in	www.Manabadi.co.in	www.Manabadi.co.
	ach question carries 2 mar		www.Manabadi.co.in	www.8x2 = 16 M
	$C \sim \Delta PQR$ and their areas			
	the area of sector having a			www.Manabadi.co.
	an and median of data are	•		www.Manabadi.co.
	an and median of data are t is the probability of two fri	. ,		www.Manabadi.co.
vvvv vv v v v v v v v v v v v v v v v	is the propability of two tr	iends naving the could		www.ww.ivialiabaul.co.
	me birthday ^{nabadi.co.in}	° °	n-leap year?abadi.co.in	www.Manabadi.co.



It's Oursww.Manabadi.co.in www. Manal 25. Find the value of 'k', if the given points are (k, 1), (-2, 0), (1, 2) are collinear? www. Mana 26 (i) off tan 2A = $\cot(A - 27)$ where 2A is acute angle find the value of Alanabadi co. in www.Mana 27di.cState the Thale's theorem? in www.Mana 28di.c Define sure event? Write one example for it abadi.co.in www.ManSection-IV www.Mana Note: 1. Answer all the questions. www.Manabadi.cc2. Each question carries 4 marks. WW.Manabadi.co.in www.Manabadi.co3. There is an internal choice for each question di.co.in $3 \times 4 = 20 M^{-10}$ 29. a) Show that the given points (1, 7), (4, 2), (-1, -1) and (-4, +4) are the vertices of square. (OR) b) A chord of circle of radius 10 cm subtends a right angle at the centre. Find the area of the www.Manabadi.corresponding/anabadi.co.in www.Manabadi.cci) Minor segment habadi.co.in ii) Major segment. (π = 3.14)/w. Manabadi.co.in www.Manabagli.co.in www.Manabadi.ca) If sec θ + tan θ = P, then show that $Sin\theta$ = $mat_{A}Sin\theta = \frac{1}{p^2 + 1}$ www.Manabadi.co.in www.Manabadi.(OR) www.Manabadi.cb) BL and CM are medians of a triangle ABC right angle at Avw.Manabadi.co.in prove that 4(BL² + CM²) = 5BC² 31. a) From a deck of 52 playing cards club cards of King, Ace and 10 were removed and remaining cards www.Manabadi.cwere well shuffled. If a card is drawn at random then find the probability of di co in wi) club/anabadi.ii) Ace www.Miii) Diamond king www.Manabay) Club 5 www.Manabadi (OR) b) Construct a $\triangle PQR$, if PQ = 5.5cm, $\angle Q = 60^{\circ} \angle P = 70^{\circ}$. Then draw another triangle, whose sides are www.Manabadi.cc² times of the corresponding sides of ΔPQR ? adi.co.in www.Manabadi.co.in www. Mana 32.1, (a) Construct two tangents to a circle of radius 6 cm from a point lie out side to it at a distance 10 cm? di co in www.Manabadi.co.in www.Manabadi.co.in www.Manabadi.(OR) www.Manabadi.cb) Find the trisection points of the line segment joined by the points (-3, 3) and (3, a) If the median of 60 observations given below is 28.5, then find the value of x and y? www.Manabadi.c Class interval 0 - 1010 - 2020 - 3030 - 4040 - 5050 - 6015. i.co M20 Frequency abadi X ww.Mana badi.co.in www.Manabadi.(OR) www.Manabadi.cb) An observer is flying in an aeroplane which is at a height of 900 m from the ground and observer two on ships which are in the same direction at an angles of depression 60° and 30° respectively. Find the distance between the two ships? www.Manabadi.co.in www.Manabadi.co.in www.Manabadi.co.in www.Manabadi.co.in www.Manabadi.co.in Disclaimer: This Question paper is purely for preparation purpose only. Manabadi.com is www.Manabadi.co.in wowhere claiming this to be the Main Examination Paper. www.Manabadi.co.in



www.Manabadi.co.in

www.Manabadi.co.in Manabadi.com is

www.Manabadi.co.in www.Manabadi.co.in www.Manabadi.co.in www.Manabadi.co.in Disclaimer: This Question paper is purely for preparation purpose only. www.Manabadi.co.in \no\where claiming this to be the Main Examination Paper.