MANET "MET"

Sample Paper

Qualifying Entrance Test for B. Tech Marine Engineering / B.Sc.Nautical Science Degree Course

Sample Test Paper

Date:-29/05/2011 Time - 2 Hrs Total Marks - 150	0
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INSTRUCTIONS & INFORMATION

- 1. A separate Answer Sheet is provided for answers.
- 2. You must write your name and form number as well as sign on the answer sheet.
- 3. All Questions carry **one mark each**. Marks will only be earned for correct answers. However, there will be **no negative marking** for wrong answers.
- 4. Rough work may be done on the last page of the Question Paper.
- 5. Question Paper must be returned with the answer sheet.
- 6. Answer the questions by properly darkening (preferably using HB pencil) the appropriate rectangle against the options given in the answer sheet as shown in the example below:-

Reference Q	uestion: - Hacking	g is a term rel	ated to	a b	С	d
(a) chess	(b) computers	(c) cinema	(d) journalism			

Sample Questions:-

Below are given some sample questions for each of these sections. In actual test you may find questions on some or all these types and also questions on the type not mentioned here. All the questions are based on the 10+2 level syllabus.

SECTION-I: (ENGLISH)

Note:-This is a test to see how well you know English. Your English language ability would be tested through questions on grammer, Vocubulary, sentence completion, synonyms, antonyms, comprehention of passage etc.

Directions: Choose the most effective word from the given words to fill in the blank to make their sentence meaningfully Complete.

1. Modern science has made advance				
	(a) Incredible	(b) illegible	(c) legitimate	(d) objective
2.	He is fond of	jokes.		
	(a) throwing	(b) boasting	(c) cracking	(d) suggesting
3. Without any warning electricity wer			ectricity went off.	
	(a) few	(b) most	(c) each	(d) the
4.	She is angry			
	(a) about him	(b) with him	(c) from	(d) to him
5.	The army has been	to be r	ready to control the	floods.
	(a) warned	(b) alerted	(c) apprised	(d) said

SECTION-II (PHYSICS)

Directions: Choose the correct alternative out of four options.

1. Triple point temperature is-

2	(a) 273°C P = N junction	(b) 273 K diode consists of		(d) -273 k	<
	(a) One	(b) Two	(c) Three	(d) Zero	
3.	Which of the fo	ollowing is longitud: (b) Waves on plucke	inal wave? d string (c) Water wa	aves (d	l) Light waves
4.		erfectly black body	is		
5.	(a) 1 In transistor e	(b) 2 mitter base junction	(c) 5 n is always	(d) 0	
	(a) Forward biase	d (b) Reverse biased	(c) Grounded	(d) Un	biased
		SECTION-I	II (CHEMISTF	RY)	
Choose	the correct altern	ative out of four optior	ns.		
1.	_	r's door is opened, t			
2.	(a) room heated Piezoelectric cr	(b)room cooled ystals are used in	(c) more heat is pass	ed out	(d) no effect on room
	(a) Radio	(b) TV	(c) Record player		(d) Freeze
3.	(a) Glass	ardest substance? (b) Diamond	(c) Corundum		(d) Bauxite
4.	The correct ord (a) Li > Na > K	ler of electropositiv (b) Li > K > Na	e nature of Li, Na (c) Na > K > Li		s (d) K > Li > Na
5.	The number of	unpaired electrons	s in chromium is		
	(a) 2	(b) 3	(c) 5		(d) 6
		SECTION-IV	(MATHEMAT	ics)	
				,	
Choose	the correct altern	ative out of four optior	is.		
1.	Which of the fo	ollowing integers eq 68	uals the product of dl 30	of two p	rime numbers?
2.	An empty oil ta	anker was filled wit	h oil at a uniform		
		he tanker was filled t x		hours	if x < t?
	a] $\frac{x}{t}$ b] -	$\frac{t}{x}$ c] $\frac{x}{t-x}$	d] $\frac{t}{t}$		
3.	A bag contain of the same co		nite balls, the prob	oability	of drawing two balls
		$\frac{9}{17}$ c] $\frac{9}{16}$	$\frac{1}{9}$		
4					
4.	a] 30 0 b	$d \bar{b} = \hat{J} + \hat{k} \text{then an}$] 60 0 c] 90 0	ngle between a 8 d $$ d] 120 0	& <i>b</i> 18	
5.	$\int_{0}^{\pi} \sin^2 x dx = -1$				
	a) $\frac{\pi}{2}$ b] π c] $3\frac{\pi}{2}$	d] 2 π		
SECTION-V (GENERAL KNOWLEDGE)					

Choose the correct alternative out of four options.

1.	I like to watch	like to watch team games				
	(a) Yes	(b) Occasionally	(c) No	(d) both a and b		
2.	On ship, pers	on must be fit				

(a) Physically & mentally (b) only physically3. Longest River in the World? (c) Only mentally

(d) Brahmputra (c) Ganga

(a) Nile(b)Hudson4. Which is most populated Country?(a). China(b)India

(d) S. Africa (c)Russia

(a). China (b)India
5. Who got Bharat Ratna award 2008?

(a)Pt. Bhimsen Joshi (b) Lata Mangeshkar (c) Amartya Sen (d) Pt. Ravi Shankar