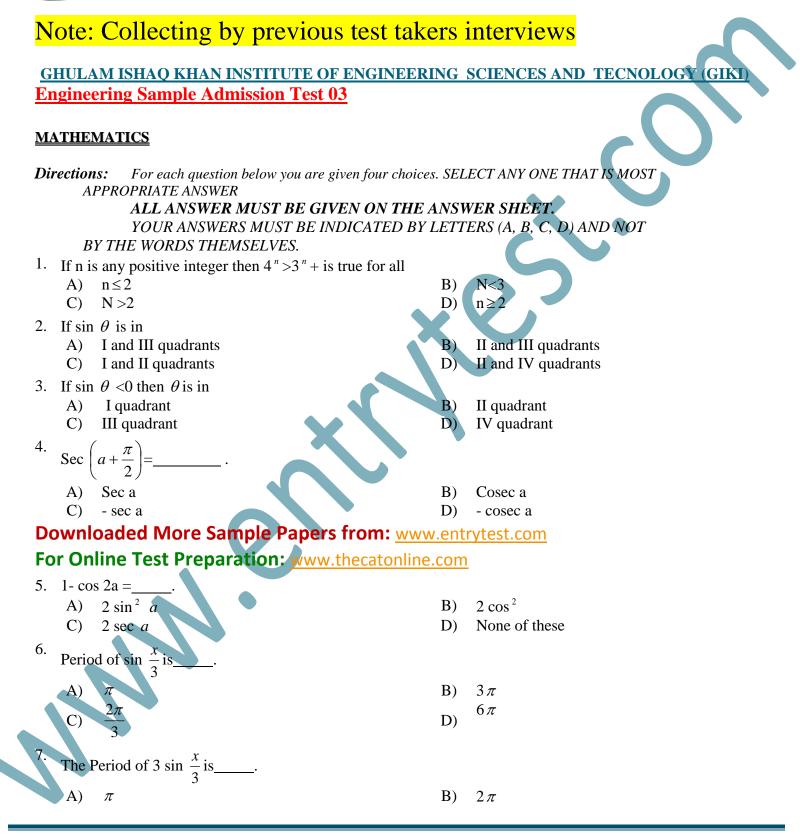
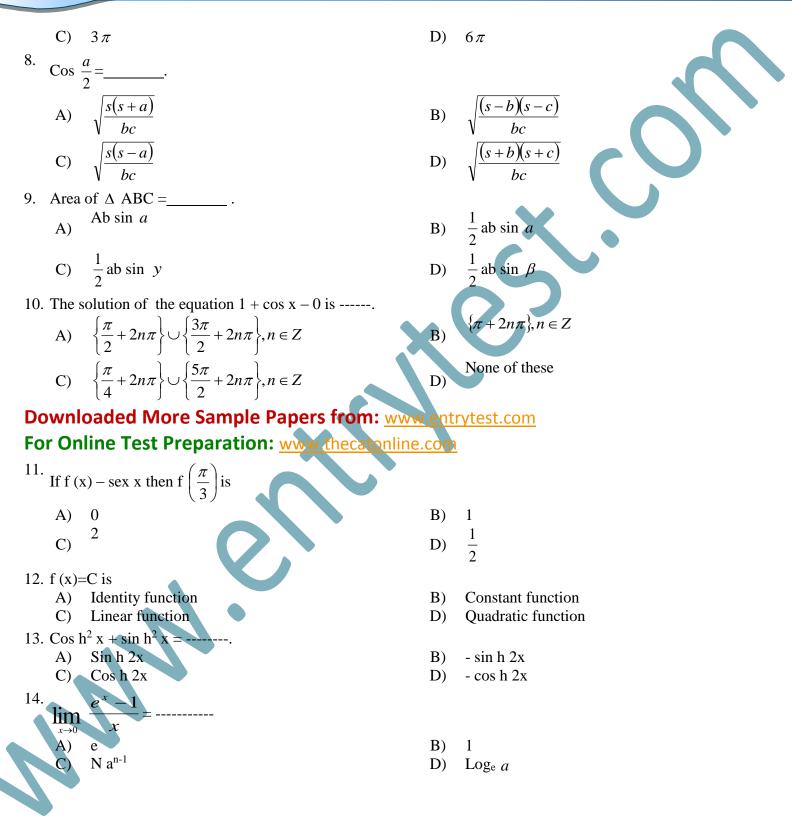


www.entrytest.com



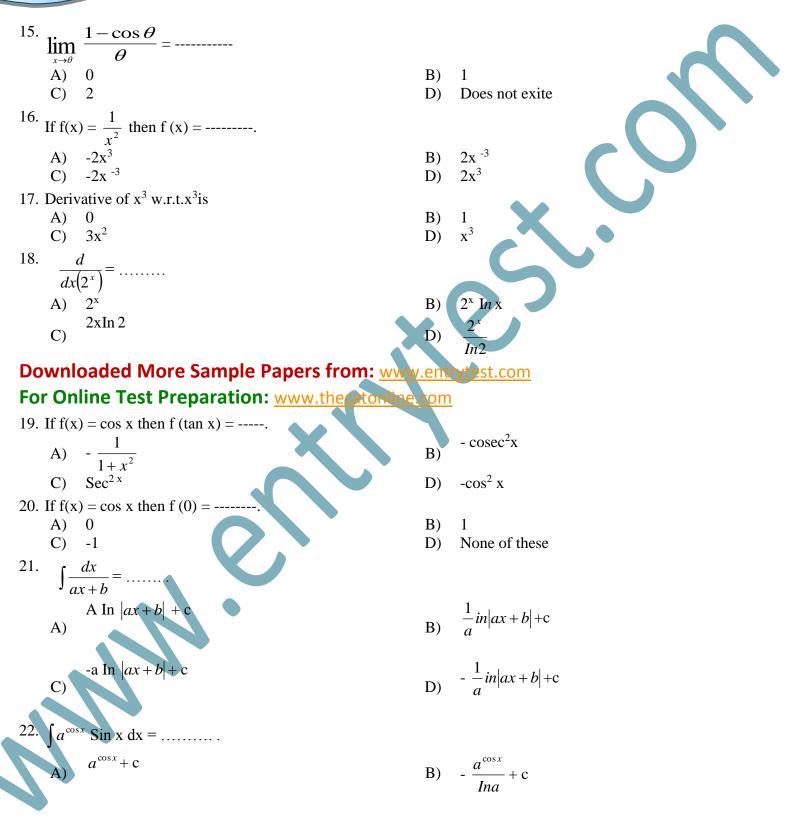


www.entrytest.com



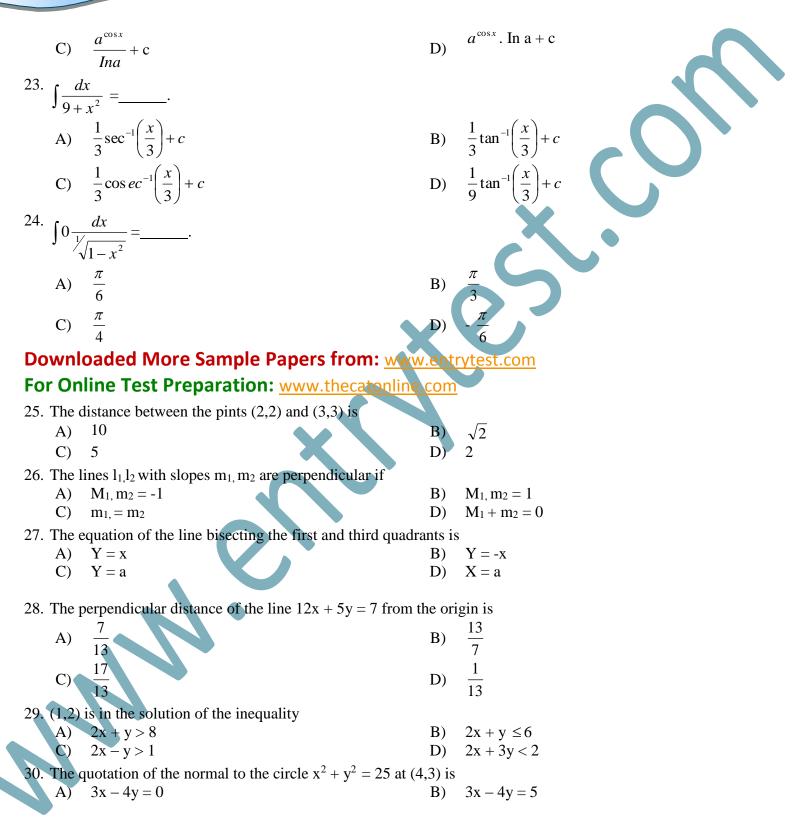


www.entrytest.com



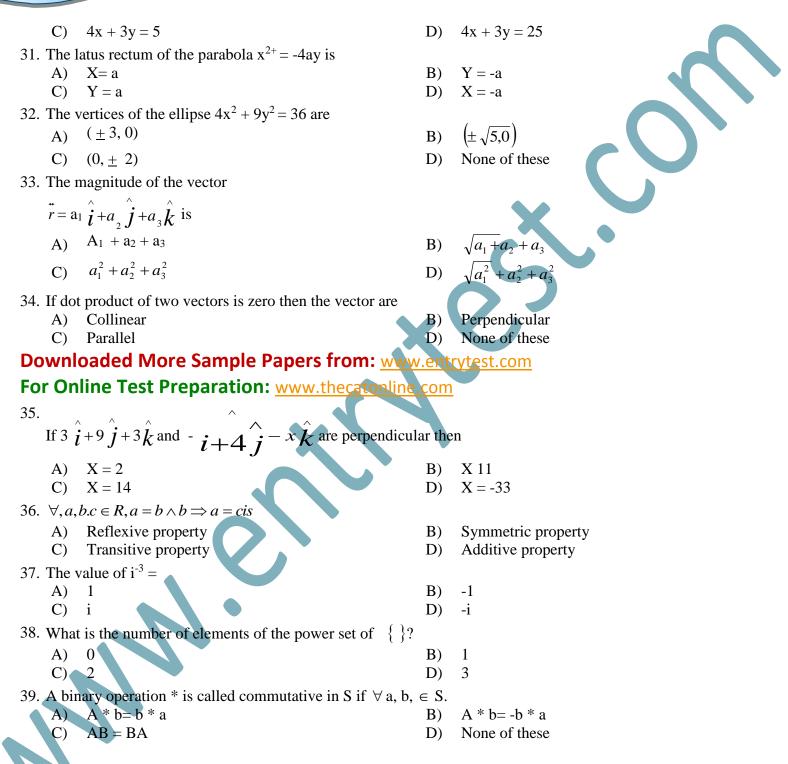


www.entrytest.com





www.entrytest.com





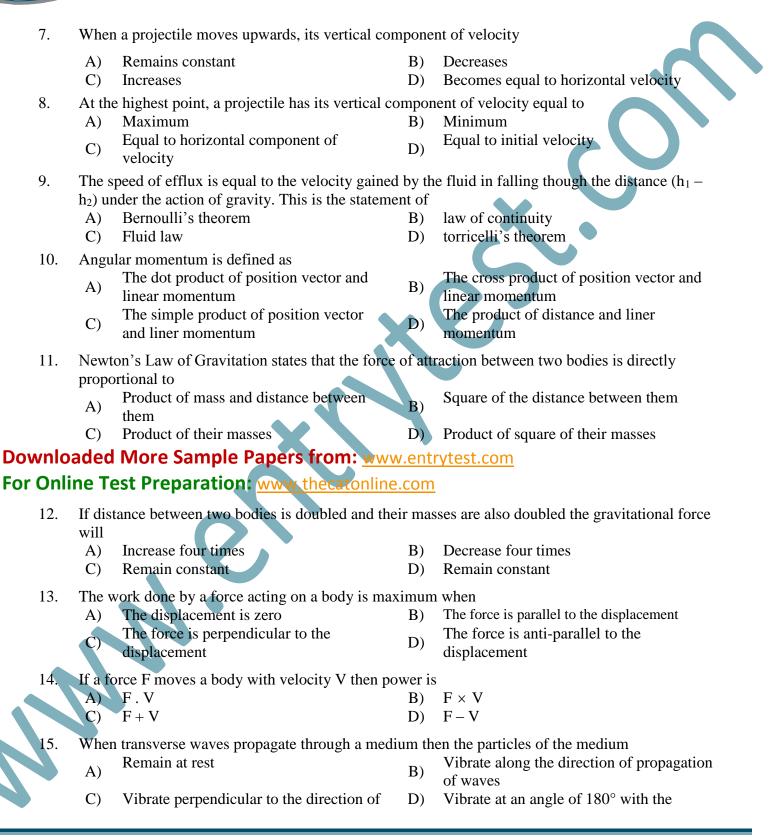
www·entrytest·com

10										
40.										
lt	$A = \begin{bmatrix} 2 \\ 2 \end{bmatrix}$ then order of	f A ^ı is								
					D	1.2				
A C	,				B) D)	1x3 1x1				
	<u>C MATH</u>				D)	171				
<u>1</u> .										
	$\left(\frac{1}{5}\right)^2 - \left(\frac{1}{5}\right)\left(\frac{1}{4}\right) =$									
	A. <u>1</u>	В.		C.	$\frac{1}{100}$		D.	<u>1</u>	E.	$\frac{1}{5}$
	20		100		100			20		5
2.	A club collected exa	actly \$	599 from its me	mbers.]	If each me	ember cor	ıtribu	ited at least {	\$12, w	hat is the
	greatest number of 1	nembe	ers the club could	d have?						
	A. 43	В.	44	C.	49		D.	50	E.	51
3.	A union contract spe	ecifies	a 6 percent sala	rv incre	ase plus a	ι \$450 bor	nus fr	or each emp	lovee.	For a
	certain employee, th	nis is eo								
	before the new cont		***		***		Ð	*2 1 2 00		**
D	A. \$21,500	B.	\$22,500		\$23,500		D.	\$24,300	E.	\$25,000
	nloaded More S	-	-				<u>. mc</u>			
For (Online Test Prep	arati	on: <u>www.the</u>	ecaton	<u>line.com</u>	<u>1</u>				
4.	If <i>n</i> is a positive inte	oger gr	$k + 2 - 3^n w$	hich of	the follow	ing could		T ha a value	of k ?	
	A. 1	B.	4 + 2 = 5, wi	C.	7	llig could		25	E.	79
5.	Elena purchased bra								Elena p	purchased a
	total of 12 of these p A. 4	ben for B.	\$42.00, how m	any brai C.	nd X pens 6	did she p	ourcha D.		E.	8
	A. +		5	C.	0		D.	1	L.	0
6.	If the length and wid				ot were ear	ch increas	sed b	y 20 percent	i, what	t would be
	the percent increase				250/		Л	400/	Б	4.407
	A. 20%	В.	24%	U.	36%		D.	40%	E.	44%
7.	The population of a			-			ximat	tely how ma	.ny mir	nutes will it
	take for the populati	-	-			eria?	~		-	
	A. 10	В.	12	C.	14		D.	16	E.	18
8.	When 10 is divided	by the	positive integer	<i>n</i> , the r	emainder	is $n-4$.	Whic	ch of the fol!	lowing	g could be
	The value of n ? A. 3	B.	4	C.	7		D.	8	E.	12
	A. 5	ש.	7	C.	/		<i>Ъ</i> .	0	L.	12



9.	For a light that has an intensity of 60 candles at its source, the intensity in candles, <i>S</i> , of the light at a point <i>d</i> feet from the source is given by the formula $S = \frac{60k}{d^2}$, where <i>k</i> is a constant. If the intensity of the										-		
	light is 30 candles at a distance of 2 feet from the source, what is the intensity of the light at a distance of 20 feet from the source?									a distance			
	of 2 A.	$\frac{3}{10}$ can			candle	С	$1\frac{1}{3}$	candle	e D	. 2 car	ndles	E.	3 candles
10	If				which of	4h a falla							
10.	$\mathbf{H} \mathbf{x}$ A.	and y are	-	B. 9	which of		wing (CAININ	OT be the s		and y.	E.	23
PHYS	SICS									2			
Directions: For each question below you are given four choices. SELECT ANY ONE THAT IS MOST APPROPRIATE ANSWER													
									ER SHEET			т	
	BYT		R ANSWE RDS THE			DICATE	DBY	LEIN	ERS (A, B, C	., D) AN	D NO	1	
	1.		Boltzma	n consta	int is								
		/	38 JK ⁻¹ 21 x 10 ⁻¹²	2				B) D)	1.38 x 10 ⁻² None	3 JK ⁻¹			
	2.	/			vision in 1	man is		D)	None				
	2.	A) 10) cm					B)	20 cm				
_		/	5 cm					D)	25 cm				
									ytest.com				
			-		. <u>www.</u>								
			ces of san gle betwe			acting or	an o	oject, t	he magnitud	le of the	ir resu	ltant i	s minimum
		A) 45	5°					B)	60°				
		C) 90						D)	180°				
		If two fo resultant		of mag	nitude 5N	act alon	g the	same l	ine on a boo	ly, then	the ma	gnituc	le of their
		A) 51	N					B)	10N				
			0N					D)	30N				
	5.	Applied A) m		n a body	y of mass	m, movi	ng wi	h acce B)	leration a is a/m				
		C) m						D)	m:a				
	6.	A force of	of 1000N	acts on	a body fo	r 0.01 se	c. An	d chan	ges its veloc	ity from	n 10m/	s to 20)m/s, what
			he impuls	e?				D)	50 N				
	-	,	00 N-sec					B) D)	50 N-sec 5 N-sec				
-								,					







19.

21.

C)

C)

Career Channel

propagation of waves

direction of propagation of waves

16.	When longitudinal	waves propagate	through a medium,	, then the particles	of the medium
-----	-------------------	-----------------	-------------------	----------------------	---------------

- Vibrate parallel to the direction of A)
- propagation of waves
- Do not move at all C)

Vibrate perpendicular to the direction of propagation of waves

equal to atmospheric pressure

Vibrate at an angle of 270° to the direction D) of waves

If a transverse wave has a speed of 100m/sec and frequency of 100 hertz then its wavelength will be 17.

B)

B)

D)

- A) 1 m
- 100 m C)

B) 10 m

is also high

- 1000 m D)
- When the speed of a fluid is high, its pressure 18.
 - A) no effect on pressure
 - C) is low
 - Which of the following properties proves that light behaves as waves
 - I. Interference
 - **II.** Diffraction
 - **III.** Refraction
 - I and II are correct only
 - A) I and II are correct only C)

- B) II and III are correct only
- I. II and III are correct D)

Downloaded More Sample Papers from: www.entrytest.com

For Online Test Preparation: www.thecatonline.co

- At high velocity the motion of a fluid becomes 20.
 - A) Sreamed line
 - Oscillatory C)

- Polaroid can be used To control head light glare in night A) driving
- In curtain-less window to adjust the C) amount of light
- B) Crcular
- Turbulent D)
- To determine the concentration of optically B) active substance
- All of them D)
- A lens which is thicker in the middle and thinner at the edge is called 22.
 - Concave lens A)

Plano-concave lens

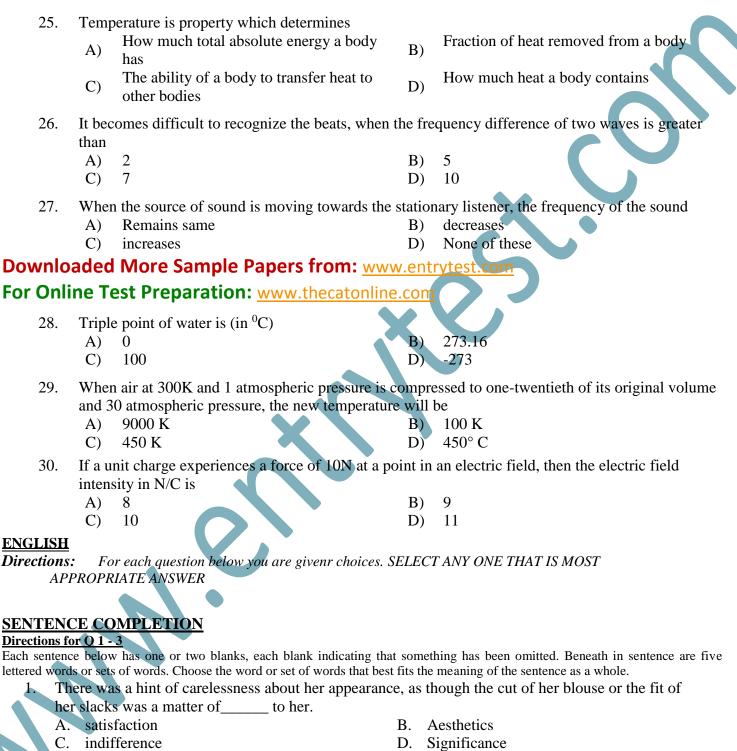
- Convex lens B) D) Convex-concave lens
- A straight line passing through center of curvature of the two spherical surfaces of a lens is called 23.

B)

- Diameter of the lens A)
- C) Principle focus Principal axis D)
- A double convex lens acts as a diverging lens when the object is placed
 - A) At the focus
 - B) Between f and 2f D)
- At 2f Within the focal length

Radius of the lens





- E. Controversy
- . Many educators argue that a _____ grouping of students would improve instruction because it



www.entrytest.com

would limit the range of student abilities in the classroom.

- A. heterogeneous
- C. homogeneous
- E. Fragmentary

B. SystematicD. Sporadic

3. As news of his indictment spread through the town, the citizens began to _____him and to avoid meeting him.

- A. ostracize
- C. desecrate
- E. Harass

- B. Congratulate
- D. Minimize

ANALOGY

Direction: Each question below consists of a related pairs of words or phrases, followed by five lettered pairs of words or phrases, Select the lettered pair that best expresses a relationship similar to that expressed in the original pair.

4. ASYLUM : SHELTER ::

- (a) harbor : concealment
- (b) palisade : display
- (c) stronghold : defense
- (d) hospice : exile
- 5. SCISSORS : SEVER ::
 - (a) scales : average
 - (b) barrel : roll
 - (c) eraser : smudge
 - (d) millstone : grind
 - (e) match : strike

Downloaded More Sample Papers from: <u>www.entrytest.com</u> For Online Test Preparation: <u>www.thecatonline.com</u>

- 6. HONE : SHARP ::
 - (a) polish : shiny
 - (b) whet : blunt
 - (c) memorize : minor
 - (d) erode : moist
 - (e) varnish : sticky

ANTONYM

Direction: In each of the following antonym questions, a word printed in capital letters precedes five lettered words or phrases. From these five lettered words or phrases, pick the one most nearly <u>opposite</u> in meaning to the capitalized word.

7.	OWN:	<i>(</i> —)			_		
	(A) Outlay	(B)	Disclaim	(C)	Deny	(D)	Disobey
8.	PENCHANT:		A		. .		D
		(B)	Attitude	(C)	Imminence	(D)	Distance
9.	PROGRESS:						



10	(A) Standard PROGRESS::		(B)	Serious	(C)	Momentary	(D)	Interpretive	
10.	(A)	Recede	(B)	Retrogress	(C)	Prosperity	(D)	Shrike	

READING COMPREHENSION

Direction: Please read the passage below and answer the questions on the basis of what is stated or implied. **Passage:**

It is difficult to reconcile the ideas of different schools of thought on the question of education. Some people maintain that pupils at school should concentrate on a narrow range of subjects which will benefit them directly in their subsequent careers. Others contend that they should study a wide range of subjects so that they have not only the specialized knowledge necessary for their chosen careers but also sound general knowledge about the world they will have to work and live in. supporters of the first theory state that the greatest contributions to civilization are made by those who are most expert in their trade or profession. Those on the other side say that, unless they have a broad general education, the experts will be too narrow in their outlook to have sympathy with their fellows or a proper sense of responsibility towards humanity as a whole

QUESTIONS

C)

education

- Broad general knowledge is necessary because 11
 - It broadens one's outlook A)
 - C) Without it no one would get a job
- 12 Supporters of the first theory say that
 - Experts have contributed most to A)
 - progress in the modern world People with general knowledge are
 - C) more useful than experts

- **B**) It teaches us about different things
- Specialization is incomplete without it D)
- Experts have done nothing to help B) mankind
- People with general knowledge have D) contributed to civilization

Downloaded More Sample Papers from: www.entrytest.com

For Online Test Preparation: www.thecatonline.com

- 13 Schools of thought can be explained as Groups of people who are schooled to Groups of people whose job is to think A) B) think Groups of people having the same Groups of people who study in a C) D) particular school thoughtfully 14 The idea of the first school of thought in the passage is that Students should study a few subjects Students should not undertake any A) B) that will help them in their profession specialized work Students should not undertake any Students should concentrate on studies C) D) specialized work According to the second school of thought education will not be very effective if pupils Have nothing but general knowledge Ignore the study of fine arts A) B)
 - Do not have a wide general D) own work
- Have inadequate knowledge of their
- Career Channel News: www.entrytest.com/rss/default.aspx (Meets your all Educational Needs) For Answers: www.entrytest.com/testprep/answers.aspx



www·entrytest·com

END OF TEST

For Answer Key: www.entrytest.com/testprep/answers.aspx