## **NUST Test 01 for Business & Management Sciences**

### **Section 1** Problem Solving

- If the price of a tin pack is increased by 20% and the quantity sold is decreased by 20%, then the net 1. effect on gross receipts
  - Decreases by 20% A.
  - Decreases by 4% В.
  - Stays the same C.
  - D. Increases by 10%
  - E. Increases by 20%
- 2. If it is 250 miles from New York to Boston and 120 miles from New York to Hartford, what percentage of the distance from New York to Boston is the distance from New York to Hartford?
  - Α. 12
  - В. 24
  - C. 36
  - D. 48
  - E. 52
- jdrimya.com The lead in a mechanical pencil is 5 inches long. After pieces  $\frac{1}{8}$  of an inch long,  $1\frac{3}{4}$  inches long, and  $1\frac{1}{12}$ 3. inches long are broken off, how long is the lead left in the pencil?
  - 2 in. Α.
  - $2^{\frac{1}{24}}$  in.
  - C.
  - $2\frac{1}{4}$  in. D.
- It costs x dollars each to make the first thousand copies of a compact disk and y dollars to make each 4. subsequent copy. If z is greater than 1,000, how many dollars will it cost to make z copies of the compact disk?
  - Α.
  - В.
  - C.
  - 1,000 (z-x) + xy 1,000 (z-y) + xz D.

E.	1,000 (x-y) +	٧z
ь.	1,000 ( X	y 2

**5.** How many two-digit numbers satisfy the following property: the last digit (units digit ) of the square of the two-digit number is 8?

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- A. None
- B. 1
- C. 2
- D. 3
- E. More than 3
- If x +y = 3 and  $\frac{y}{y}$  = 2, then y is equa
  - A.

6.

- B.  $\frac{1}{2}$
- C. 1
- D.  $\frac{3}{2}$
- E. 2
- 7. Ms. Taylor purchased stock for \$1,500 and sold  $\frac{2}{3}$  of it after its value doubled. She sold the remaining stock at 5 times its purchase price. What was her total profit on the stock?
  - A. \$1,500
  - B. \$2,000
  - C. \$2,500
  - D. \$3,000
  - E. \$6,000
- 8. If 20 liters of chemical X are added to 80 liters of a mixture that is 10% chemical X and 90% chemical Y, then what percentage of the resulting mixture is chemical X?
  - A. 18%
  - B. 28%
  - C. 20%
  - D. 10%
- 9. If x + y = z and x and y are positive, then which of the following statements can be inferred?
  - I) X < y
  - II) X < z

	C.	I and II only
	D.	II and III only
	E.	I, II, and III
10.		th drove at an average speed of 50 pmh for the first two hours of his trip. For the next ours, he averaged 20 mph. what was Mr. Smith's average speed for the five-hour trip?
	A.	30mph
	В.	32mph 1000000000000000000000000000000000000
	C.	35mph
	D.	38mph
	E.	160mph
11.		7, 1998, and 1999 a worker received 10% more in salary each year than she did the syear, how much more did she received in 1999 than in 1997?
	A.	10%
	B.	11%
	C.	20%
	D.	21%
	E.	30%
12.		number satisfying $2 < x < 3$ and y is a number satisfying $7 < y < 8 <$ , which of the gexpressions will have the largest value?
	A.	X²y
	В.	XXI MAGOO
	C.	5ху
	D.	$4x^2y$
	_	3
	E.	$\frac{x^2}{y}$
13.		y 1
13.		prentic can finish a job in 4 hours and 30 skilled workers can finish the same job in $4\frac{1}{2}$ our much of the job should be completed by 10 apprentics and 15 skilled workers in r?
		- 50

III)

Α.

В.

x < 2z

I only

II only



In a bag there are 78 red balls, 45 green balls and some yellow balls. If the probability of finding a yellow ball blindly from the bag is 0.4. What is the total number of yellow balls in the bag?

- A. 90
- B. 123
- c. 78
- D. 41
- E. 322

15. In a country, 55% of the male population has houses in cities while 30% have houses both in cities and in villages. Find the percentage of the population that has houses only in villages.

- A. 35
- B. 45
- C. 15
- D. 25

**16.**  $30 \times 40 = ? \times 72$ 

- (a) 100
- (b) 600

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17.  $1200 \div 20 \times 0.5 = ?$ 

- (a) 1
- (b) 20

- (c) 30
- (d) 40

400

18.  $\frac{(40 \times 2) + 120 + 100}{92.5 - 90.5} = ?$ 

- (a) 210
- (b) 120

- (c) 450
- (d) 155

19. Change  $\frac{26}{6}$  to a mixed number.

(a) 
$$3\frac{2}{8}$$

(a) 
$$3\frac{2}{8}$$
 (b) 50 (c)  $4\frac{2}{6}$ 

20.  $\frac{1680 \div 16.80}{0.5} = ?$ 
(a) 100 (b) 30 (c) 600 (d) 200

**21.** 
$$\frac{200}{\sqrt{?}} = 5$$

- (a) 100
- (b) 500

- (c) 1500
- (d) 1600

**22.** 
$$Z + \frac{1}{Z} = 2, Z = ?$$

- (a) 1 (b) 2

- (c) 3

- Jdunya.com 10,000
- 100 (d)

23. 25% of x = 250, x =?  
(a) 2000 (b) 2000

24. 
$$\frac{5}{9} \div \frac{15}{18} \div \frac{12}{6} = ?$$

- (a)  $\frac{4}{9}$  (b)  $\frac{3}{2}$

- (c)  $\frac{2}{6}$
- (d)  $\frac{14}{12}$

**25.** 
$$(130)^2 - (120)^2 = ?$$

- (a) 2000
- (b) 2500

- (c) 3000
- (d) 1000

**26.** 
$$\frac{12}{4} + \frac{8}{4} + \frac{6}{4} = ?$$

26. 
$$\frac{12}{4} + \frac{3}{4} + \frac{3}{4} = ?$$

(a) 12 (b) 20

(b) 20

(c)  $12\frac{4}{4}$ 

27. Change  $6\frac{3}{5}$  to an improper fraction

		(a)	$\frac{33}{5}$	(b	$\frac{22}{6}$			(c)	20 5	coll	(d)	$\frac{30}{5}$
28						pens and an What is the			of the pens		\$ pens a	nd 1 eraser.
29.	Wha A)	t percent	of 4 is 5?	В)	80%		,	C)	125%		D)	150%
30.	Thro A)	ugh how r 15°	many degr	ees doe	s the minu	ute hand of			from 3:10 p 45°	.m. to 3:	25 p.m. ( D)	of the same day?
31.	If n is	s divided b	by 9, the re	emainde	r is 5. Wh	at is the rer	nainde	er if 3n	is divided b	y 9?		
	A)	4		B)	5		(	C)	6		D)	7
32.	If a ×	•	, where a	, b, and o	c are integ	gers and a >	b > c >	> 1, wł	nat is the gr	eatest po	ssible va	alue of a?
	A)	12		В)	18			C) _ ~	24 79	COM	D)	36
33	If x is	12 an intege	r which o	of the fol	lowing co	uld NOT eq	พลา x 3 x	J//	Myca	0		
	A)		.,	В)	0 9/1	IZIIN N	]()	1		D)	16	
34	If x =	-8 7 + v and	4x = 6 - 2	v What	sthe valu	le of x?	-,					
34	A)	7 + y and	IX OW	B)	_4 	ic or x.	C)	_1		D)	10	
	,	-4		,	3		C)	6		וט	3	
35	yello		robability	of selec	ting yellov	ly of which w piece of c						
	A)	34		B)	51		C)	54		D)	102	
36	If p =	$=4\left(\frac{x+y}{3}\right)$	$\left(\frac{z+z}{z}\right)$ , the	en, in ter	ms of p, v	vhat is the a	average	e (arith	nmetic mea	n) of x, y,	, and z?	
	A)							P			p	
	A)	4p		B)	3p		C)	3		D)	$\sqrt{4}$	
37	perso		).10 for ea			or a 50-mile which of th						
	A)	30 ×50 ×	0.10	B)	30×50+	0.10	C)	50 ×0	0.10 + 30	D)	50 + 3	30 × 0.10
38	If r =		- 0	h of the	following	g is a correct	t expre	ession	for r in term	s of a, b,	and t?	

A) aht12

B)  $ab^4t^7$ 

C)  $ab^4t^{12}$ 

D)  $a^4b^4t^7$ 

**39** If p and r are integers,  $p \ne 0$ , and p = -r, which of the following must be true?

A) p<r B) p > r

C) p + r < 0

D) None

40 One number is 3 times another number, and their sum is -10. What is the lesser of the two numbers?

4) -2.5 B) -3.0

c) -7.0

D) -5.5

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#### Section 2 Verbal

# Reading Comprehension Passage

It happened one day that a fisherman putting out to sea in a boat was just about to cast a net, when right in front of him he saw a man on the point of drowning. Being a stout-hearted and at the same time an agile man, he jumped up and seizing a boathook, thrust it towards the man's face. It caught him right in the eye and pierced it. The fisherman hauled the man into the boat and made for the shore without casting any of his nets. He had the man carried to his house and given the best possible attention and treatment, until he had got over his ordeal. For a long time, that man thought about the loss of his eye, considering it a great misfortune. "That wretched fellow put my eye out, but I didn't do him any harm. I'll go and lodge a complaint against him-Why, I'll make things really hot for him!" Accordingly he went and complained to the magistrate, who fixed a day for the hearing. They both waited till the day came round, and then went to the court. The one who had lost an eye spoke first, as was appropriate. "Gentlemen," he said, "I'm bringing a complaint against this worthy, who, only the other day, savagely struck me with a boathook and knocked my eye out. Now I'm handicapped. Give me justice, that's all I ask. I've nothing more to say." The other promptly spoke up and said, "Gentlemen, I cannot deny that I knocked his eye out, but if what I did was wrong, I'd like to explain how it all happened. This man was in mortal danger in the sea, in fact he was on the point of drowning. I went to his aid. I won't deny I struck him with my boat hook, but I did it for his own good: I saved his life on that occasion. I don't know what more Nean say: For God's sake, give me justice!"

The court was quite at a loss when it came to deciding the right s of the case, but a fool who was present at the time said to them, "Why this hesitation? Let the first speaker be thrown back into the sea on the spot where the other man hit him in the face, and if he can get out again, the defendant shall compensate him for the loss of his eye. That I think fair judgment." Then they all cried out as one man, "You're absolutely right! That's exactly what we'll do!" Judgment was then pronounced to that effect. When the man heard that he was to be thrown into the sea, just where he had endured all that cold water before, he wouldn't have gone back there for the entire world. He released the Goodman from any liability, and his earlier attitude came in for much criticism.

In the light of this incident, you can take it from me that it's a waste of time to help a scoundrel. Release guilty thief from the gallows, and he will never like you for it. A wicked man will never be grateful to

anyone who does him a good turn: He'll forget all about it; it will mean nothing to him. On the contrary, he would be only too glad to make trouble for his benefactor if he ever saw him at a disadvantage.

41.	The word	l cast is used			
	A)	Tint	E	В)	Perform
	C)	Hurl	[	D)	Mold
42.	Paragraph	n 1 makes it clear that the fisherman is	s N - nr	70	NS COMI
	A)	Essentially well-meaning	O BY	Ctur	msy and Foolish.
	C)	Fat but nimble	D)	Har	d-working and honest.
43.	The word	fixed is used to mean			
	A)	Corrected	B)	Seci	ured
	C)	Set	D)	Mei	nde <b>d</b>
44.	The word	worthy is used to mean			
	A)	Caliber	B)	Sigr	nificance
	C)	Morality	D)	Ger	tleman
45.	Paragraph	n 3 concerns			
	A)	The narrator's beliefs	B)	The	court's wishes
	C)	The one-eyed man's complaint	D)	The	fisherman's plea
46.	The fool's	suggested solution to the case was			- 60
	A)	Pitiless and spiteful	B)	Abs	urd but lawful ) \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
	C)	Harsh but fair		Just	and merciful
47.	The phr	ase" as one man means			
	A)	Manfully	B)	As s	omeone once said
	C)	One by One	D)	Tog	ether
48.	"In the lig	ght of this incident" means			
	A)	Thanks to that event	E	В)	Because of this tale
	C)	Without further ado	[	D)	As you can see from this story

49.	The	e narrator cle	early believes the	at the one-eyed	man		
	A)		Showed good	d sense		B)	Had bad luck
	C)		Deserved bet	ter		D)	Was a scoundrel
50.	Th	ne moral of th	nis story might b	e			
	A)	)	Do unto others	•	B)	A w	icked man is never satisfied
Sente	C)	e Comple	You can only be	e good so long		The	re is no such thing a s justice
51.		n vouch for h	1900	ve always found	him_	ar	nd carefully observant of the
	A.	arbitrary			В.	plausi	ble
	C.	volatile			D.	veraci	ous
52.	This			of importance be artist who are al			fullythe own to the public at large.
	A.	Recognize	.negligible		В.	Overlo	ookpurported
	C.	Scrutinizes	illusory		D.	Distor	tsnoteworthy
53.			e he feelsby nild may break o		rental	restrict	ions and rules, at adolescence
	A.	nurtured		NARC	(B.)	Appe	sed
	C.	confined	9//	WILLIAM	D.	fascin	ated
54.		felt that Jack example of h	// /// /	face of the com	pelling	g evider	nce which she had presented was
	A.	Truculence.	unbiased		В.	Skepti	cismopen
	C.	Incredulity	closed		D.	Acquie	escencekeen
55.			ickinson was nibited socially.	but alsoe	extrao	rdinaril	y intense her poetry yet
	A.	Zealousgr	egarious		В.	Arden	trepressed
	C.	Prudentre	served		D.	Rash	.intrusive

56.		good night slee esume the ascer		effect on	the wea	ary	climber, wh	no work	refreshed and eager
	A.	An innocuous			ı	В.	A tonic		
	C.	A minor			I	D.	An enerva	ting	
57.		is an interesting							ntradiction,
	poss	sesses an enorm	ously in	tuitive	for unde	erst () (	anding peo	ple C	5)(30
	Α.	Aberrationdis	dain		Z [ ] ( Q E	<u> </u>	Caricature.	talent	
	C.	Specimenloa	thing	, <u> </u>		).	Phenomen	ondisi	nclination
58.		coach's harsh re nlike that b		eeply wounded	d the sta	ır qı	uarterback,	who ha	d never
	A.	summoned			E	3.	Reprimano	led	
	C.	stimulated			[	D.	placated		
59.		he present time ther subject.	, we are	suffering from	ıof	sto	ries about i	the war	try writing about
	A.	A calumny			ı	В.	A dearth		
	C.	An insurgence			I	D.	A plethora		
60.	Beca	use he was	, he shu	ınned human s	ociety.		aC	) C((	ana
	A.	A misanthro	pe	В. ¬	An olig	garç	hm	9706	
	C.	An anomaly		2/109/12	Aster	$\cup$	111 - 1		
Anto	nyn	ns w	MM	19/1////					
61.	PRIM	:							
	(A)	Prior	(B)	Private	(C)	Info	ormal	(D)	Cautious
62.		USION:	<b>(-)</b>		(-)	_		<b>(-)</b>	
	(A)	Scarcity	(B)	Validity	(C)	Ord	dinance	(D)	Travesty
63.	PROB (A)	SITY: Extent	(B)	Assumption	(C)	Red	gret	(D)	Corruptibility
64.		NIOUS:	(0)	Assumption	(0)	1108	5100	(0)	Corruptionity
04.	(A)	Injurious	(B)	Fatal	(C)	No	urishing	(D)	Healthy
65.	PROL	IFIC:							arian -
	(A)	Barren (B)	Contro	versial (C)	Unwor	kab M \	le (D)	Backw	ard

56.		DICAMENT:	(D)	F:	(C)	C E: -l		(D)	Cantaint			
	(A)		(B)	Firmness	(C)	Confid	ence	(D)	Certainty			
<b>57.</b>	(A)	VIDENT: Wealthy	(B)	Disabled	(C)	Rash		(D)	Remote			
58.	PUN (A)	ITIVE: Restive	(B)	Rewarding	(C)	Humor	ous	(D)	Large			
<b>59.</b>	PRO'	VINCIAL: Aural	(B)	Crass	( <del>c</del> ) _	Literar		(fb)	Sophisticated			
70.		ATIVE: Powerful	(B)	Colonial	(C)	Undisp	N	(D)	Unremarkable			
Analogies WWW. State (c) Shalspated (b) Shiremarkable												
71.	WHE	EAT : GRAIN										
	A.	Cow	: Beef			В.	Orang	e : Li	ne			
	C.	Carrot	: Vegeta	ble		D.	Cocon	ut : Pa	alm			
<b>72.</b>	СОТ	TAGE: CASTLE										
	A.	House : Bu	ilding			В.	Puppy	· :	Dog			
	C.	Dory ; Lir	ner			D.	Man	: 1	Family			
73.	OLD	: ANTIQU	JE									
	A.	New : M	odern			В.	Cheap	:	Expensive			
	C.	Useless : Us	seful		0 [	n Pro	Wante	ed).(	Needed			
74.	TIMI	E : MINUT	ES	NN	71/0		N					
	A.		Calendar	MINIONIA.	7n o	В.	Clock	: F	aces			
	C.	Race :: L	PRIVIN	OLIDA		D.	Yard	: /	Area			
<b>75.</b>	MO	JNTAIN: TUNN										
	A.	Window :	Frame			В.	River	:	Bridge			
	C.	Door :	Handle			D.	Charce	oal	: Fire			
76.	LIBE	RARY : BOOK	(S									
	A.	Hotel :	Children			В.	Zoo		: Animal			
	C	Office ·	Sale			D	Park		· Cars			

77. TINY : HUGE

> Inferior N. Ilmakić A. Small : Little

Door : Handle : Fire

78. FRIGHTEN: SCARED

> Question В. Look : See

C. : Panic D. Terrorize Brave : Coward

79. SEARCHED: FIND

> Fight : Win В. Obey : Believe

Look : Seek D. Write : Read

80. DOOR: OPEN

> Α. Cap : Remove В. Knife: Cut

: Take C. Black: Board D. Gift

## **Section 3 Intelligence**

#### Find the one which is different.

- (B) W EFG MNO (C) 81. **STW** (D) XYZ
  - 82. (A) EVU OLK RHI (B) (C) (D) BCD
  - 83. (B) 17 (C) (A) 13 83 (D) 45 84. В ٧
  - (A) (B) Χ (C) (D) W 85. (A) (B) 35-243 (C) 42-16 (D) 32-9 21-2
- A man is facing west. He turns 45 degree in the clockwise direction and then another 180 degree in the 86. same direction and then 270 degree in the anticlockwise direction. Find which direction he is facing now?
  - A. South-West В. West
  - South D. East-South
- A man is facing north. He turns 45 degree in the clockwise direction and then another 180 degree in 87. the same direction and then 45 degree in the anticlockwise direction. Find which direction he is facing MANN SIJITA now?
  - A. North В. East
  - C. West D. South

88.	One day, Raviraj left home and cycled 20 Km southwards, turned right and cycled 10 km and turned right and cycled 20 Km and turned left and cycled 20 Km. How many kilometres will he have to cycle to reach his home straight?									
	A.	50 Km				В.	30 Km 00	M		
	C.	40 Km				Jøj.	60 Km			
89.	If G	IVE is coded a	s 5137 and	BAT is coded	as 924 hov	v is GA	ATE coded ?			
	A.	5427	MMA	A°DDD.		В.	2547			
	C.	5247	0 0			D.	5724			
90.	If in	a certain code, L	UTE is writte	n as MUTE an	d FATE is wri	itten as	GATE, then how	will BLU	JE be written in that code?	
	A.	CLUE				В.	GLUE			
	C.	FLUE				D.	SLUE			
91.	In a	certain case INS	TITUTION is	written as NO	TUTITSNI. H	low is	PERFECTION w	ritten in t	hat code?	
	A.	NOICTEFREP				В.	NOITCEFERP			
	C.	NOITCEFREP				D.	NOITCEFPER			
							N/2/C0	M		
92.	In a	certain case GIG	ANTIC is wri	tten as GIGTA	NCI How is I	MIRAG	LES written in th	at code?		
	Α.	MIRLCAES		2/1/WW	Man	В.	MIRLACSE			
	C.	RIMCALSE	MMA	A°DDD.		D.	RIMLCAES			
93.		he author of M				υ.				
	A)		В)	Imam Mus	ilim	C)	Imam Iqbal	D	) Imam Abu Hanifa	
94.		tos creation is	ρ)	D 11		ъ.	I a a a a a	D)		
	A)	People	В)	Polite	C)	Dia	alogues	D)	State	
95.	Нс	ow many meeti	ngs shall be	held. everv ve	ear. of the Na	itional	Police manager	nent?		
	A)	·	В)	Two	C)	On	_	PA	None of these	
		Three		٢	290	MM	Meloce	/0-		
96.	Ву	which name L	ahore is fam	ous?\\ran	12000	911				
	A)		B) 0	City of peop	e C)	Cit	y of Colleges	D)	None of these	

<b>97</b> .	Which city of Italy is f	amous	as "City of seven Hill	s"?			
	A) Italy	B)	Jordan		Iran Jaloc	(O.P),	Rome
98.	What is continent Afr A) Fair Continent	ica calle	Dark Continent	C)	Red continent	D)	All of these
99.	The earth consists of A) Atmosphere	three m B)	ain zones; hydrosph Ionosphere	ere; lith	osphere and Photosphere	D)	None of these
100.	What is called flow of a A) Mantel	body o B)	f water, air, of heat, Current	moving i	in a definite direct Core	ion? D)	Crater

