

National University of

Technology (NUTECH)

(SAMPLE PAPER)				
Program:	DAE Entrance Test	Duration: 2 Hrs		
Roll no:	Name:			
Total Questions :	<u>100</u>			
 Instructions for Candida Encircle only one option. Use Blue / Black ball poi No cutting / erasing Extra sheets will be prov 	Selection of two options will can	ncel the question.		
Section: English (30)				

Section: English (30)
1) I am sorry the house is not available any longer. It to a timber tycoon.
(a). is sold
(b). will be sold
(c). has been sold
2) The students to leave the building immediately.
(a). will order
(b). have been ordered
(c). ordered
3) Mark to Lahore is 1997.
(a). is transferred
(b). has been transferred
(c). was transferred
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- 30)
- (a).
- (b).
- (c).

Section: Mathematics (30)

31)
$$a^3-b^3=$$

- (a). $(a+b)(a^2-ab+b^2)$
- (b). $(a+b)(a^2+ab+b^2)$
- (c). $(a-b)(a^2+ab+b^2)$
- **32)** H. C. F. of $10x^2y^2$ and $30x^3y^3$ is _____
- (a). $300x^5y^5$
- (b). $10x^2y^2$
- (c). $30x^3y^3$
- 33) Which of the following is a Radical equation?

(a).
$$5^{x-1} + 5^{-x} = 0$$

(b).
$$2x^2 + x + 5 = 0$$

(c).
$$\sqrt{2x-1}=0$$

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60)

(a). (b).

(c).

Section: Chemistry (20)

- 61) Nelson's cell is used to prepare caustic soda along with gases. Which of the following gas is produced at cathode?
- (a) Cl2
- (b) H2
- (c) O3

(b) Different physical properties and structures	
(c) Different atomic numbers	
 63) According to Charles's Law, what happens to the volume of a gas when temperature is increased at constant pressure? (a) The volume decreases (b) The volume increases (c) The volume remains constant 	:he
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30) (a)	
(b)	
(c)	

62) Which property distinguishes different allotropes of the same element?

(a) Different chemical compositions

Section: Physics (20)

(a) Basic Quantity(b) Derived Quantity(c) None of these	
82)Which of the following is not a vector? (a). Distance (b). Displacement (c). Velocity	
83)A body will stay in rest or state of motion if no net	_ is applied on it.
100)	
(a). (b). (c).	
(-)-	