





# MODEL QUESTIONS

## PART 1: ENGLISH

1.	bravery is a great virtue a. No article b. the			are doubled in a Young's modulus experiment then, Young's modulus of the wire		
	a. No article b. c. an d.			a. remains unchanged	or are wire	
2.	How can you afford to live			b. becomes double		
۷.	meagre a salary.	tilat		c. becomes four times		
	•	in		d. becomes sixteen tim	es	
		to				
3.	Either James or his brothers			PART 3: CHEMISTRY		
	written the mail	1	1.	which of the following	g has higher electro	
	a. have b.			negativity		
	c. is d.			a. fluorine		
4.	He plays cricket?			b. chlorine		
		don't he		c. bromine		
_		doesn't he	2	d. iodine	1	
5.	There was food in nearly empty.	the fridge. It was	2.	Noble gases have the value	electron affinity of	
		a few		a. low	b. high	
	c. little d.	few		c. zero	d. very high	
	PART 2: PHYSICS		3.	The electron affinity and atomic size are proportional		
1.	Red light has a wavelength of 7000 Å. In μm			a. directly		
	it is	•		b. inversely		
	a. 0.7 μm b.	7 μm		c. not but independent		
	c. 70 µm d.	0.07 μm		d. none of these		
2.	The distance travelled by a body, falling freely from rest in one, two and three seconds are in		4.	The hybridization in S	SF6 is	
				•	b. spd3	
	the ratio			a. sp3 c. sp3d2		
	a. 1:2:3 b.		5.			
	c. 1:4:9 d.		3.	Para magnetism is cor		
3.	The rate of change of angula	ar momentum is		a. p-block		
	equal to			c. d-block	d. f-block	
	a. Force			DADT A . MATH	EMATICS	
	<ul><li>b. Angular acceleration</li><li>c. Torque</li></ul>			PART 4: MATHEMATICS		
	d. Moment of Inertia		1.	Matrix A is of order $2 \times 3$ and B is of order		
4				$3 \times 2$ then order of matrix BA is		
4.	If the distance between two masses is doubled, the gravitational attraction between them			a. 3 × 3	b. 2 × 3	
	me gravitational attraction t	between mem		c. $2 \times 2$	d. 3 × 2	
	<ul><li>a. is reduced to half</li><li>b. is reduced to a quarter</li><li>c. is doubled</li></ul>		2.	In a third order determine		
			•	is equal to the minor of	23	
				the minor is	23	
	d. becomes four times			a. 1	b. Δ	
	coomes row willed					







c.  $-\Delta$ 

- d. 0
- 3. If ax/((x+2)(2x-3)) = 2/(x+2) + 3/(2x-3) then a =
  - a. 4

b. 5

c. 7

- d. 8
- 4. The number of 4 digit numbers, that can be formed by the digits 3, 4, 5, 6, 7, 8, 0 and no digit is being repeated, is
  - a. 720

b. 840

c. 280

- d. 560
- 5. If n is a positive integer then the number of terms in the expansion of  $(x + a)^n$  is
  - a. n

- b. n 1
- c. n+1
- d. n+2

#### PART 4: BIOLOGY

(Biology Students only)

- 1. Electron transport system is present in
  - a. ribosomes
- b. mitochondria

- c. golgi bodies
- d. lysosomes
- 2. DNA replication takes place in
  - a. conservative model
  - b. semiconservative model
  - c. liberal model
  - d. None of the above
- 3. Recombination percentage in a diploid cannot exceed
  - a. 100

b. 50

c. 25

- d. 75
- 4. One of the following does not have ability to divide
  - a. Nerve cells
- b. Liver cells
- c. Muscle cells
- d. Bone-Marrow cells
- 5. Which of the following cell organelles takes part in photorespiration
  - a. Peroxisomes
  - b. Glyoxisomes
  - c. Lysosomes
  - d. Sphaerosomes

### **SCHOLARSHIPS**

#### BEEE 2018 - SCHOLARSHIP (TUITION FEE WAIVER)

- 1. 100% of Tuition fees granted as scholarship for Top 50 Rank Holders in BEEE 2018
- 2. 100% of Tuition fees granted as scholarship for State Toppers of all Boards.
- 3. 50% of Tuition fees granted as scholarship for 51 250 Rank Holders in BEEE 2018.
- 4. 25% Tuition fees granted as scholarship for Ranks 251 to 500 in entrance conducted by BEEE.2018.
- 5. 100% of Tuition fees granted as scholarship for students Participated / Won in National Sports & events.
- 6. 50% of Tuition fees granted as scholarship for students Participated / Won in State level Sports & events.
- 7. 25% of Tuition fees granted as scholarship for students Participated / Won in District level Sports & events. (Note: Students eligible for sports scholarship will have to be certified by Dept. of Physical Education from the University. The students sports participation shall be monitered during the academic year)
- 8. Students Applied for IIT/JEE and STATE ENTRANCE EXAMS will be granted for Scholarship on Rank Basis.
- 9. The above listed scholarship are not applicable for admissions into Architecture, Science & Humanities and PG Course.