# FIITJEE SAMPLE PAPER – 2018 (Big Bang Edge Test / Talent Recognition Exam)

for students presently in

## Class 9 (Paper 1)

Time: 3 Hours (9:30 am – 12:30 pm)

Code | 9000

Maximum Marks: 423

#### Instructions:

Caution: Class, Paper, Code as given above MUST be correctly marked in the answer OMR sheet before attempting the paper. Wrong Class, Paper or Code will give wrong results.

1. This Question paper consists of 2 sections. All questions will be multiple choice single correct out of four choices with marking scheme in table below:

Section		Question no.	Marking Scheme for each question		
			correct answer	wrong answer	
		Q. 1 to 24	+3	0	
SECTION - I	APTITUDE TEST	Q. 25 to 36	+4	0	
		Q. 37 to 45	+5	• 0	
	PHYSICS	Q. 46 to 54	+3	0	
	PHISICS	Q. 55 to 60	+4	0	
<b>SECTION – II</b> (SCIENCE & MATHEMATICS)	CHEMISTRY	Q. 61 to 69	+3	0	
		Q. 70 to 75	+4	0	
	MATHEMATICS	Q. 76 to 93	+3	0	
		Q. 94 to 105	+4	0	
		Q. 106 to 114	+3	0	
	BIOLOGY	Q. 115 to 117	+4	0	
		Q. 118 to 120	+5	0	

2. Answers have to be marked on the OMR sheet. The Question Paper contains blank spaces for your rough work. No additional sheets will be provided for rough work.

3. Blank papers, clip boards, log tables, slide rule, calculator, cellular phones, pagers and electronic devices, in any form, are not allowed.

4. Before attempting paper write your OMR Answer Sheet No., Registration Number, Name and Test Centre in the space provided at the bottom of this sheet.

Note: Please check this Question Paper contains all 120 questions in serial order. If not so, exchange for the correct Question Paper.

OMR Answer Sheet No.	•
Registration Number	:
Name of the Candidate	:
Test Centre	:

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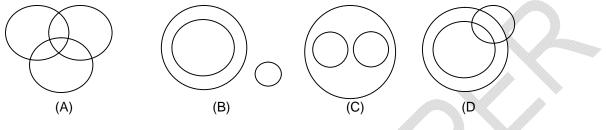
### Section-I

### APTITUDE TEST

#### Straight Objective Type

This section contains 45 multiple choice questions numbered 1 to 45. Each question has 4 choices (A), (B), (C) and (D), out of which ONLY ONE is correct.

**Directions (Questions 1 - 2):** In the following questions four diagrams and three classes of elements are given. You have to choose which of the figure will best represent the relationship amongst three classes:



- Metal, Iron, Chlorine 1.
- 2. Mammals, Cows, Crows
- 3. My dog Bunny, runs 30 m towards west, turns left and runs 10 m, then turns right, and runs 5 m, then turns left and runs 2 m and again turns right, runs 12 m. Finally it turns left and runs 7 m. In which direction is it running now? (A) East (B) West

(C) North

(D) South

Directions (Questions 4 – 8): Study the information given below and answer the questions that follow:

There is a family of six persons A, B, C, D, E and F. They are Lawyer, Doctor, Teacher, Salesman, Engineer and Accountant. There are two married couples in the family. D, the salesman is married to the Lady Teacher. The Doctor is married to the Lawyer. F, the Accountant is the son of B and brother of E. C, the lawyer is the daughter – in – law of A. E is the unmarried Engineer. A is the grandmother of F.

4.	How is E related to F? (A) Brother (C) Cousin	(B) Sister (D) None of these
5.	What is the profession of B? (A) Teacher (C) Lawyer	(B) Doctor (D) None of these
6.	What is the profession of A? (A) Lawyer (C) Doctor	(B) Teacher (D) Accountant

- 7. Which of the following is one of the couples? (A) F & D (B) D & B (C) E & A (D) None of these 8. How is D related to F? (A) Grand father (B) Father (C) Uncle (D) Brother In a certain code language, DISABLE is written as HRL20. How is ENABLE written in that code? 9. (A) GA 21 (B) HR 20 (C) JB 20 (D) ID 20 10. If East become North - West, North - West become South, and so on, then what will South become? (A) North - West (B) South - West (C) West (D) North – East 11. N ranks fifth in the class. S is eight from the last. If T is sixth after N and just in the middle of N and S, then how many students are there in the class? (A) 23 (B) 24
  - (C) 25 (D) 26

**Directions (Questions 12 – 16):** On the basis of the information provided below, answer these questions:

Six people A, B, C, D, E and F are sitting in a hexagonal shape. All the sides of the hexagon so formed are of same length. A is not adjacent to B or C; D is not adjacent to C or E; B and C are adjacent; F is in the middle of D and C.

12.	Which of the following is not a correct neighbour (A) A and F (C) B and E	pair? (B) D and F (D) C and F
13.	Who is at the same distance from D as E is from (A) B (C) D	D? (B) C (D) F
14.	Which of the following is in the right sequence? (A) A, F, C (C) B, C, F	(B) F, A, E (D) D, A, B
15.	If one neighbour of A is D, who is the other one? (A) B (C) E	(B) C (D) F
16.	Who is placed opposite to E? (A) B (C) D	(B) C (D) F

- 17. In a certain code language, 'UNIVERSITY' is written as 'VNJVFRTIUY'. Following the same code language, how would you write 'SECRETARY'?
  (A) TFDRFTBRZ
  (B) TFERFTBRY
  (C) SFCSEUASY
  (D) TEDRFTBRZ
- 18. A 'room' is called 'bed', 'bed' is called 'window', 'window' is called 'flower' and 'flower' is called 'cooler', on what would a man sleep?
  (A) Cooler
  (B) Flower
  (C) Window
  (D) Bed
- 19.
   Find the next term in the series:

   1, 26, 62, 111, 175 \_\_\_\_\_

   (A) 250 (B) 242

   (C) 238 (D) 256

A man goes to a park and sees a girl who he recognised to be his relative. The girl was the daughter of his sister's husband's wife. How is the girl related to the man?
(A) sister
(B) niece
(C) wife
(D) sister in law

A student went to a class at quarter to ten. After 15 minutes his professor came who is late to the class by 25 minutes. At what time should the class start?
(A) 9:25
(B) 9:35
(C) 9:40
(D) 9:45

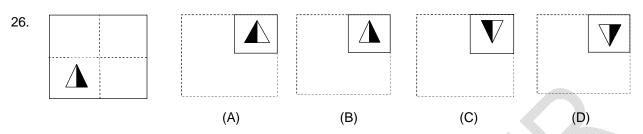
**Directions (Questions 22 – 24):** A block is painted Red on all the six faces. The side of this block is 5 cms. It is cut into smaller cubes of side 1 cm. Answer the following questions based on this statement.

22.	How many cubes have three faces coloured? (A) 10 (C) 6	(B) 8 (D) 5
23.	How many cubes have two faces coloured? (A) 36 (C) 28	(B) 30 (D) 22
24.	How many cubes have only one faces coloured (A) 10 (C) 36	? (B) 18 (D) 54
05	The second	

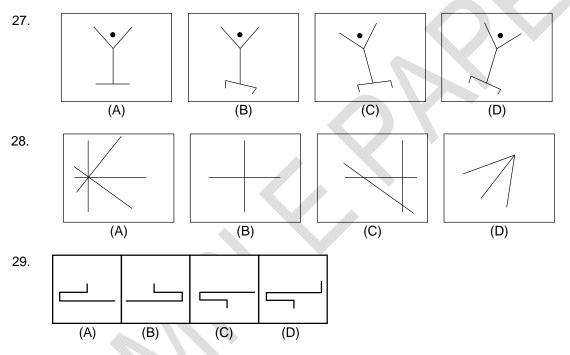
In a certain code if white is called as black, black as yellow, yellow as blue, blue as red, red as green, green as purple then what is the colour of blood in that language?
 (A) Red
 (B) Green

(A) R	ed	(B) Green	
(C) Y	ellow	(D) Purple	÷

**Directions (Question 26):** In the following problem, a square transparent sheet with a pattern is given. Figure out from amongst the four alternatives as to how the pattern would appear when the transparent sheet is folded at the dotted line.



**Directions (Questions 27 – 29):** Out of the four figures marked (A), (B), (C) and (D) three are similar in a certain manner. However, one figure is not like the other four. Choose the figure which is different from the rest.



Directions (Questions 30 – 31): Arrange the given words in the sequence in which they occur in the dictionary and, then choose the correct sequence

30. 1. Page 2. Pagan	3. Palisade	4. Pageant 5. Palate
(A) 1, 4, 2, 3, 5		(B) 2, 4, 1, 3, 5
(C) 2, 1, 4, 5, 3		(D) 1, 4, 2, 5, 3

31.	1. Select	2.Seldom	3. Send
	(A) 1, 2, 4, 5,	3	
	(C) 2, 1, 4, 5,	, 3	

4. Selfish 5.Seller (B) 2, 1, 5, 4, 3 (D) 2, 5, 3, 1, 4

32. In a certain code language, if each letters in the English alphabet, with an odd numbered value is given a code of 2, and each of the remaining letters is coded as 1, what is the code for SALVATION?
(A) 221121221
(B) 211121212
(C) 211221121
(D) 221112122

**Directions (Question 33):** Each question below has two statements followed by three conclusions (i), (ii) and (iii). Read the statements carefully and identify how many of the given conclusions logically follow and mark your answer as

(A) None of the given conclusions follows.(C) Only two conclusions follow.

(B) Only one conclusion follows.(D) All three conclusions follow.

33. Statements: All gods are great. Some greats are brave.

> Conclusions: (i) Some gods are not brave. (ii) Some gods are brave.

- (iii) Some brave are not gods.
- 34. In a certain code language if RAIN is coded as abcd, GAIN is coded as bcde and PAIN is coded as bcdf, then what is the code for word GRAIN?

(A) abcde (B) bcdef (C) acdfe (D) abcfe

Directions (Question 35): Select the correct alternative from the given choices.

35. 12 : 1728 : : 8 : \_\_\_\_\_ (A) 64 (C) 512

(B) 256 (D) 1024

- 36. A clock strikes once at 1 o' clock, twice at 2 o' clock, three times at 3 o' clock and so on. If it takes 10 seconds to strike at 6 o' clock, find the time taken by it to strike at 12 o' clock.
  - (A) 18 seconds (C) 24 seconds

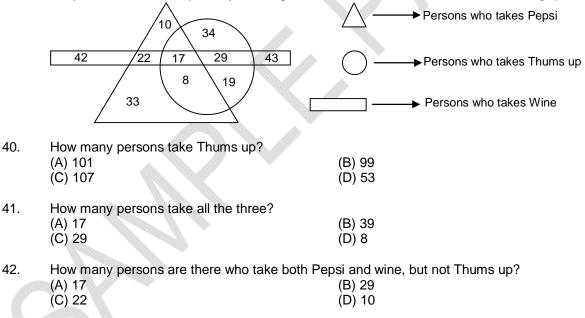
- (B) 22 seconds
- (D) 26 seconds

Directions (Questions 37 – 38): These questions are based on the following data.

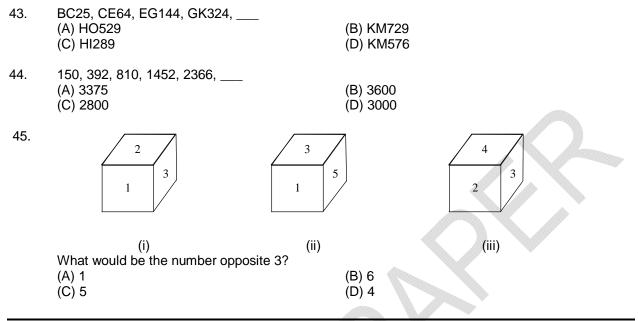
In an international conference scientists from six different countries are invited. They are from America, Germany, France, Japan, Russia and India. On a particular day presentations of these six scientists are scheduled. German scientist's presentation is the only presentation between the presentations of the Russia and the Indian scientists. There are three presentations between the presentations of the French and the Japanese scientists.

- 37. How many presentations are there after the German scientist's presentation?
  (A) 2
  (B) 3
  (C) 4
  (D) Can not be determined
- 39. If in a certain code language, 'BROWSER' is written as 'RESWORB', then how 'TEACHER' be coded in that same language?
  (A) REHCEAT
  (B) REHCAET
  (C) REHCTEA
  (D) AHRCTEA

Directions (Questions 40 – 42): Study the diagram below and answer each of the following questions.



Directions (Questions 43 – 44): Complete the following series.



Space for Rough Work

(Part – A)

### Section-II

**Science and Mathematics** 

### **Physics**

#### Straight Objective Type

Physics contains 15 multiple choice questions numbered 46 to 60. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

46.	Nature of gravitation (A) Attractive (C) can be attractive		(B) Repulsive (D) cannot comment	2	
47.	Gravitational force b (A) Newton (C) Hubbles	etween two bodies	which are separated by a distance is given (B) Kepler (D) Galileo	by	
48.	All planet move in _ (A) Circular (C) Parabolic	orbital p	bath around sun. (B) Elliptical (D) Straight		
49.	You are pushing a w (A) Force applied by (C) The net force on	v you is zero.	not moving. What does this mean? (B) Wall experience no force. (D) None of these		
50.	A driver accelerates of two forces exerted (A) 1 : 2 (C) 2 : 3		rate of 1.8 m/s <sup>2</sup> and then at the rate of 1.2 ne two cases will be (B) 2 : 1 (D) 3 : 2	m/s <sup>2</sup> . The ratio	
51.	kg-m/s <sup>2</sup> is the unit c (A) momentum (C) acceleration	of	(B) speed (D) force		
52.	A stone tied to a stri (A) the stone files of (B) the stone moves (C) the stone moves (D) the motion of the	f tangentially radially inward radially outward	rcle. As it is revolving, the rope suddenly br on its velocity	eaks then	
53.	Following table show	vs the odometer rea	ading at different times of a journey by bus.		
	Time (AM)	Odometer Reading	Distance from the starting point		
	8:00 A.M.	16540 KM	0 KM		
	8:30 A.M.	16560 KM	20 KM		
	9:00 A.M.	16580 KM	40 KM		
	9:30 A.M.	16600 KM	60 KM		
	10:00 AM	16620 KM	80 KM		
	What is the speed o	f the bus?			
	(A) 20 km/h		(B) 30 km/h		
	(C) 40 km/h		(D) 50 km/h		
	Space for Rough Work				

- 54. A train is approaching a station with velocity 60 kmph and after 20 min it come to rest. The train has
  - (A) positive acceleration (C) uniform acceleration

- (B) retardation
- on
- (D) uniform velocity
- 55. What force will change the velocity of a body of mass 1kg from 20 m/s to 30 m/s in two seconds?
  (A) 10 N
  (B) 5 N
  (C) 2 kg wt
  (D) 25 N
- 56.The proper use of lubricants cannot reduce:<br/>(A) static friction<br/>(C) sliding friction(B) inertia<br/>(D) rolling friction
- 57. Which of the following is a wrong statement?(A) Speed is a scalar quantity.(B) SI unit of distance is metre.
  - (B) Si unit of distance is metre.
  - (C) Distance and displacement have units of length.
  - (D)Displacement can be greater than distance traveled.
- 58. Car 1 is moving with a constant speed of 54 km/h and car 2 is moving with a constant speed of 15 m/s. On observing their motion, 3 friends A, B and C discuss
  - A car 1 is having more speed.

B – car 2 is having more speed.

C - both car 1 and car 2 are moving with equal speed.

Whose statement is correct?

(A) A

(C) C

60.

(B) B (D) All str

- (D) All statements are wrong
- 59. A ball of mass 4kg and another ball of mass 8 kg are dropped from equal height. If time taken by the balls are  $t_1$  and  $t_2$  respectively, then

(A) $t_1 = \frac{t_2}{2}$		(B) t <sub>1</sub> = t <sub>2</sub>
(C) $t_1 = 2t_2$		(D) $t_1 = t_2/4$
The unit of G/g is (A) kg/m (C) m²/ kg		(B) kg/m² (D) m/ kg

### Chemistry

(Part – B)

	Straight Object	іvе Туре			
Chemis	try contains 15 multiple choice questions numb	ered 61 to 75. Each question has 4 choices (A),			
(B), (C)	and (D), out of which ONLY ONE is correct.				
61.	The mass per unit volume of a substance is calle (A) Gravity (C) Density	ed (B) Weight (D) None of these			
62.	The highly ordered arrangement of constituent p (A) Lattice (C) Compressibility				
63.	A substance having a definite shape and definite (A) Solid (C) Plasma	e volume is called (B) Liquid (D) Gas			
64.	In summer, water kept in an earthen pot become (A) Sublimation (C) Evaporation	es cool because of (B) Diffusion (D) Osmosis			
65.	Boiling is (A) an endothermic process (C) neutralization process	<ul><li>(B) an exothermic process</li><li>(D) none of these</li></ul>			
66.	Name the solid that would sublime on heating (A) Butter (C) Ammonium chloride	(B) Ice (D) Hydrogen			
67.	What is SI unit of density? (A) Kgm <sup>-3</sup> (C) Nm <sup>-2</sup>	(B) Kgm <sup>-1</sup> (D) None of these			
68.	A substance is said to be a gas if its boiling poin (A) above room temperature (C) both (A) and (B)	t is (B) below room temperature (D) None of these			
69.	When pressure is applied on ice cubes the freez (A) Increases (C) Remain constant	ing point of ice (B) Decreases (D) None of these			
70.	The purity of a liquid is checked by determining i (A) Vapour pressure (C) Viscosity	ts (B) Boiling point (D) Surface tension			
	Space for Rough Work				

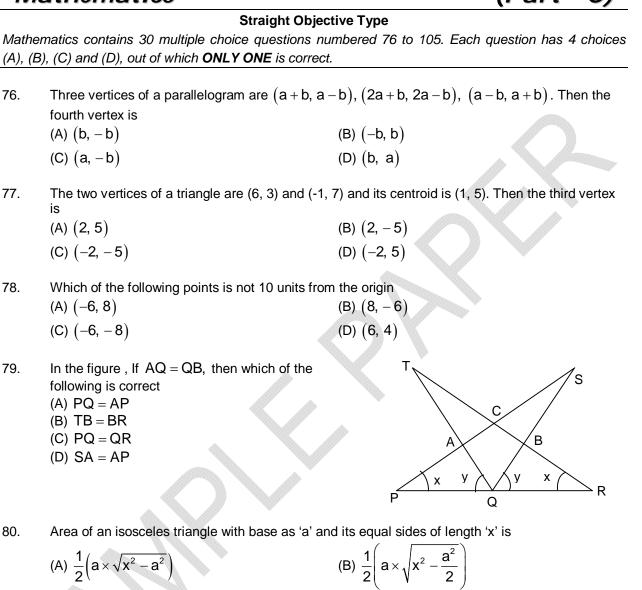
#### BBET / TRE-2018-(SAMPLE PAPER)-C-IX (Paper-1)-AT+S&M-12

- 71. A compound can be a mixture of (A) atoms (B) molecules (C) ions (D) none of these 72. Combination of different atoms through stoichiometric ratio forms (A) compounds (B) elements (C) mixtures (D) solutions Aqueous solution of potash alum (K<sub>2</sub>SO<sub>4</sub>.Al<sub>2</sub>(SO<sub>4</sub>)<sub>3</sub>.24H<sub>2</sub>O) does NOT display the properties of 73. (A) K<sup>+</sup> ions (B) Al<sup>3+</sup> ions (C)  $SO_4^{2-}$  ions (D)  $O^{2-}$  ions 74. Which of the following can't be the particles of a colloid? (A) group of atoms (B) group of molecules (C) group of similar charged ions (D) group of opposite charged ions 75. Liquid Carbon dioxide (CO<sub>2</sub>) is a
- Liquid Carbon dioxide (CO<sub>2</sub>) is a
   (A) mixture of carbon and oxygen
   (C) solution of carbon and oxygen

- (B) compound of carbon and oxygen (D) colloid of carbon and oxygen
- (D) colloid of carbon and oxy

### **Mathematics**

(Part – C)



(A)	$\frac{1}{2}(a \times \sqrt{x^2 - a^2})$	
(C)	$\frac{1}{2}\left(a\times\sqrt{x^2-\frac{a^2}{4}}\right)$	

(D) None of these

81. Height of an equilateral triangle with area of  $9\sqrt{3}$  cm<sup>2</sup> is

(A) 2√3	(B) 3
(C) 3√3	(D) None of these

82. Line 2x + 3y = 7 intersects x-axis at the point (B)  $\left(0, \frac{7}{2}\right)$ (A) (2, 6) (D)  $\left(\frac{7}{2}, 0\right)$ (C) (0, 2) 83. Which of the following points are equidistant from y -axis? (A) (3, 1) and (-3, 2) (B) (0, 1) and (1, 0) (C) (4, 2) and (5, 1) (D) (1, 1) and (-2, 1) If x + 1 is a factor of the polynomial  $2x^2 + kx$ , then k = ?84. (A) – 2 (B) - 3 (C) 4 (D) 2  $\left(\frac{1}{2}\right) = 0$  then a factor of f(x) is If f(x) be polynomial such that f 85. (A) 2x - 1 (B) 2x + 1 (C) x - 1(D) x + 1The factors of  $x^3 - 7x + 6$  are 86. (A) x(x-6)(x-1)(B)  $(x^2 - 6)(x - 1)$ (C) (x+1)(x+2)(x-3)(D) (x-1)(x+3)(x-2)The value of  $\frac{\sqrt{48} + \sqrt{32}}{\sqrt{27} + \sqrt{18}}$  is 87. (A)  $\frac{4}{3}$ (B) 4 (D)  $\frac{3}{4}$ (C) - 4 88. In which quadrant, does the point (-3, 7) lie? (A) Q<sub>1</sub>  $(B) Q_2$ (C)  $Q_3$ (D) Q<sub>4</sub> If  $x + \sqrt{15} = 4$  then  $x + \frac{15}{15} = 4$ = ? 89. (A) 2 (B) 4 (C) 8 (D) 1 Space for Rough Work

55°

В

40°

С

23.43 when expressed in the form $\frac{p}{q}$ (p, q are	integers q ≠ 0 ), is
(A) $\frac{2320}{99}$ (C) $\frac{2343}{999}$	(B) $\frac{2343}{100}$ (D) $\frac{2320}{199}$
Which of the following is irrational? (A) 0.15 (C) 0.1516	(B) 0.01516 (D) 0.5015001500015
If $10^{x} = 64$ , what is the value of $10^{\frac{x}{2}+1}$ ? (A) 18 (C) 80	(B) 42 (D) 81
If $x^{-2} = 64$ , then $x^{1/3} + x^{0} =$ (A) 2 (C) 3/2	(B) 3 (D) 2/3
If $2^{x} = 3^{y} = 6^{-z}$ , then $\frac{1}{x} + \frac{1}{y} + \frac{1}{z}$ is equal to (A) 2 (C) 1	(B) 3 (D) 0
In the figure, find the value of x (A) 100° (C) 140°	(B) 120° (D) 160°
	q (A) $\frac{2320}{99}$ (C) $\frac{2343}{999}$ Which of the following is irrational? (A) 0.15 (C) 0.1516 If $10^{x} = 64$ , what is the value of $10^{\frac{x}{2}+1}$ ? (A) 18 (C) 80 If $x^{-2} = 64$ , then $x^{1/3} + x^{0} =$ (A) 2 (C) 3/2 If $2^{x} = 3^{y} = 6^{-z}$ , then $\frac{1}{x} + \frac{1}{y} + \frac{1}{z}$ is equal to (A) 2 (C) 1 In the figure, find the value of x (A) 100°

96. The sides of triangle are 5 cm, 12 cm and 13 cm respectively. The length of the shortest altitude is

(C)		(B) 12 cm (D) $\frac{66}{13}$ cm
	10000000 V	

97.	$32x^{10} - 33x^5 + 1$ is divisible by (A) $x - 1$	(B) x + 1
	(C) x – 2	(D) 2x + 1
98.	The complement of 38° 16' is (A) 52°54' (C) 52°34'	(B) 51°36' (D) 51°44'
99.	The value of $\left[\left(\sqrt[n]{x^2}\right)^{n/2}\right]^2$ is	
	(A) x	(B) x <sup>n/2</sup>
	(C) x <sup>2</sup>	(D) $\frac{1}{x^2}$
100.	HCF of $(x-1)^{3}(x-2)^{2}(x-a)$ and $(x-b)(x-a)$	$(-1)^{5}$ is $(x-1)^{4}(x-2)$ , then
	(A) $b^a + a = 4$	(B) $b^a + a^b$ is prime number
	(C) $b^a - a = 3$	(D) $\sqrt{b^a + a^b}$ is rational number
101.	The lines $x = 4$ and $y = 3$ intersect at point	
	(A) (0, 3)	(B) (4, 0)
	(C) (3, 4)	(D) (4, 3)
102.	Each side of rhombus is 15 cm and the longe area of rhombus.	r diagonal is 24 cm. Which of the following is the
	(A) 202 cm <sup>2</sup>	(B) 216 cm <sup>2</sup>
	(C) 221 cm <sup>2</sup>	(D) 230 cm <sup>2</sup>

103.	In the given figure, if $\ell \parallel m$ , find the value of z, if x is two-third of y which is a complement of $45^{\circ}$	×
	(A) 75° (B) 60° (C) 80°	p z y
	(D) 90°	>m
104.	The sides of a triangular field are in the ratio 2 : 3 (A) $80\sqrt{15}$ m <sup>2</sup>	: 4 and its perimeter is 180 m find its area. (B) $90\sqrt{15}$ m <sup>2</sup>
	(C) $100\sqrt{15} \text{ m}^2$	(D) $300\sqrt{15} \text{ m}^2$
105.	The sum of two angles of a triangle is $90^{\circ}$ and the (A) $30^{\circ}$ , $60^{\circ}$ , $90^{\circ}$ (C) $40^{\circ}$ , $50^{\circ}$ , $90^{\circ}$	eir difference is $30^{\circ}$ , then angles of triangle are (B) $20^{\circ}$ , $70^{\circ}$ , $90^{\circ}$ (D) $15^{\circ}$ , $75^{\circ}$ , $90^{\circ}$
	Space for Rou	iah Work

### Biology

#### Straight Objective Type

(Part – D)

Biology contains 15 multiple choice questions numbered 106 to 120. Each question has 4 choices (A), (B), (C) and (D), out of which **ONLY ONE** is correct.

106.	Mitochondria are absent in (A) Viruses (C) Bacteria	(B) Blue green algae (D) All of these		
107.	Which organelle is called as Suicidal bag? (A) Mitochondria (C) Chloroplast	(B) Lysosomes (D) Nucleus		
108.	Cell theory was profounded by (A) Watson and Crick (C) Schleiden and Schwann	(B) Mendel and Morgan (D) Wallace and Darwin		
109.	What is DNA? (A) Deoxy acid (C) Deamine nucleic acid	(B) Ribose nucleic acid (D) Deoxy ribose nucleic acid		
110.	Average pH of blood is (A) 10.0 (C) 9.0	(B) 6.2 (D) 7.4		
111.	Deficiency of Vitamin – D in children causes (A) Beri - Beri (C) Rickets	(B) Scurvy (D) Osteomalacia		
112.	Which of the following is found in blood plasma? (A) Albumin (C) RBCs	(B) Platelets (D) Monocytes		
113.	Largest muscle of the body is (A) Stapedius (C) Gastrochemicus	(B) Quadriceps (D) Gluteus maximus		
114.	Which is shortest bone in the human body. Whe (A) Stapes in heart (C) Stapes in ear	ere it is present? (B) Thigh bone in leg (D) Stapes in nose		
115.	What do you mean by NPK fertilizers? (A) Nicotine, phosphorous, potassium (C) Nitrogen, phenolphthalein, potassium	(B) Nitrogen, phosphorous, potassium (D) Nitrogen phosphorous, calcium		
	Space for Rough Work			

116.	What is the scientific name of 'Indian bee'? (A) <i>Apis mellifera</i> (C) <i>Apis florae</i>	(B) Apis Indica (D) Apis dorsata
117.	What is the full form of IVRI? (A) Indian Veterinary Research Institute (C) International Vietnam Research Institute	<ul><li>(B) Indian Vietnam Research Institute</li><li>(D) Integrated Variety Research Institute</li></ul>
118.	When is the 'World Food Day'? (A) 15 <sup>th</sup> October (C) 16 <sup>th</sup> October	(B) 17 <sup>th</sup> October (D) 5 <sup>th</sup> September
119.	How many biosphere reserves have been set up (A) 8 (C) 4	<ul><li>in our country?</li><li>(B) 18</li><li>(D) 21</li></ul>
120.	A.G. Tansley gave the term (A) Ecosystem (C) Biosphere	(B) National Park (D) Sanctuaries

# FIITJEE SAMPLE PAPER – 2018 (Big Bang Edge Test / Talent Recognition Exam)

for students presently in

## Class 9

## ANSWERS Paper 1

21.B22.B23.A25.B26.C27.A29.D30.C31.C33.A34.A35.C37.D38.A39.B41.A42.C43.D45.B46.A47.A49.C50.D51.D53.C54.B55.B57.D58.C59.B61.C62.A63.A65.A66.C67.A69.B70.B71.D73.D74.D75.B77.D78.D79.C81.C82.D83.A85.B86.D87.A89.C90.A91.D93.C94.D95.B97.A98.D99.C101.D110.D111.C113.D114.C115.B117.A118.C119.B	28. C 32. A 36. B 40. C 44. B 48. B 52. A 56. B 60. C 64. C 68. C 72. A 76. B 80. C 84. D 88. B 92. C 96. C 100. B 104. D 108. C 112. A 116. B 120. A	
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