



Question Paper Entrance Test 2018

Instructions:
1. Duration: 3 Hours

 Start : **10.00 am**

 End : **01.00 pm**

(No breaks in between)

2. Materials required

 Black/ Blue Ball pen, Shading Pencils, Colour Pencils,
Rendering Pencils, Sharpener, Eraser

**3. Write all answers only in the given spaces.
No extra sheet will be provided.**

 Candidate's Name :
(in capitals)

 Father's Name :
(in capitals)

 Date of Birth :

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Candidate's Signature : _____

 Application No. :

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(admit card)

 Date of Test :

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Invigilator's Signature : _____

FOR OFFICIAL USE ONLY

TOTAL MARKS

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Examiner's signature

**DO NOT OPEN QUESTION PAPER
UNTIL ASKED TO DO SO.**

- Q 1.** Read the passage given below and answer the questions that follow by ticking the options that you consider the most appropriate. **(5 Marks)**

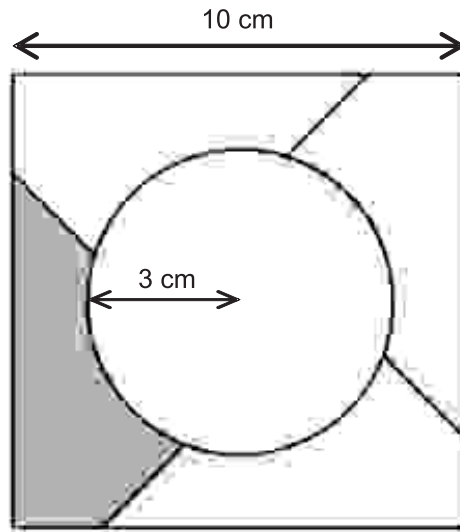
The bees and the wasps make a special kind of shelter. It is called the hive where a colony of bees or wasps lives comfortably. A hive made by bees is called a beehive and beehive that stores honey is called a honeycomb. Bees that live in a beehive are of three kinds - queens, drones and workers. Queen bees lay thousands of eggs and place one egg in each chamber of the hive. Only one queen bee is allowed in a beehive at a time. Drones are the male and they are used for mating. Worker bees are responsible for the welfare and maintenance of the comb. They protect the eggs also, till they hatch into larvae and larvae are fed till they grow into pupae. Pupae transform into adults. The adults so developed may be queens, drones or workers. Honeybees visit flowers regularly. It is very much pleasant seeing them sitting on the flowers. They collect pollens and nectar from the flowers. Nectar collected by honeybees is made into honey. Honey has medicinal quality and possesses antibiotic properties.

- (a) Honeycomb is a _____.
- hive made by wasps
 - beehive that stores honey
 - hive made by bees
 - hive made by bees and wasps
- (b) In a beehive _____ queen(s) can live at a time
- four
 - three
 - two
 - one
- (c) The work of egg - laying is performed by _____.
- queen
 - drones
 - workers
 - drones and workers
- (d) A larva changes into a/an _____.
- adult
 - egg
 - pupa
 - a wingless bee
- (e) Nectar collected by bees is converted into _____.
- wax
 - pollen
 - honey
 - fat

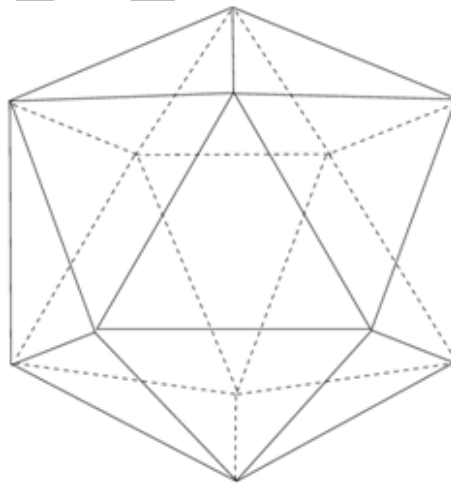
- Q 2.** In the passage below one word has been omitted in each line. Put a slash (/) where the word has been omitted and write the missing word in the space provided. **(8 Marks)**

One thing we all must do to cooperate	a- _____
with police and pay heed to their advice.	b- _____
They warn us not touch unidentified,	c- _____
unclaimed suspicious objects like transistors,	d- _____
brief cases etc. we need watch out for	e- _____
abandoned cars, scooters report the	f- _____
details such objects to the nearest police	g- _____
control room dialing 100. One should	h- _____
not touch the objects till the bomb disposal squad arrives.	

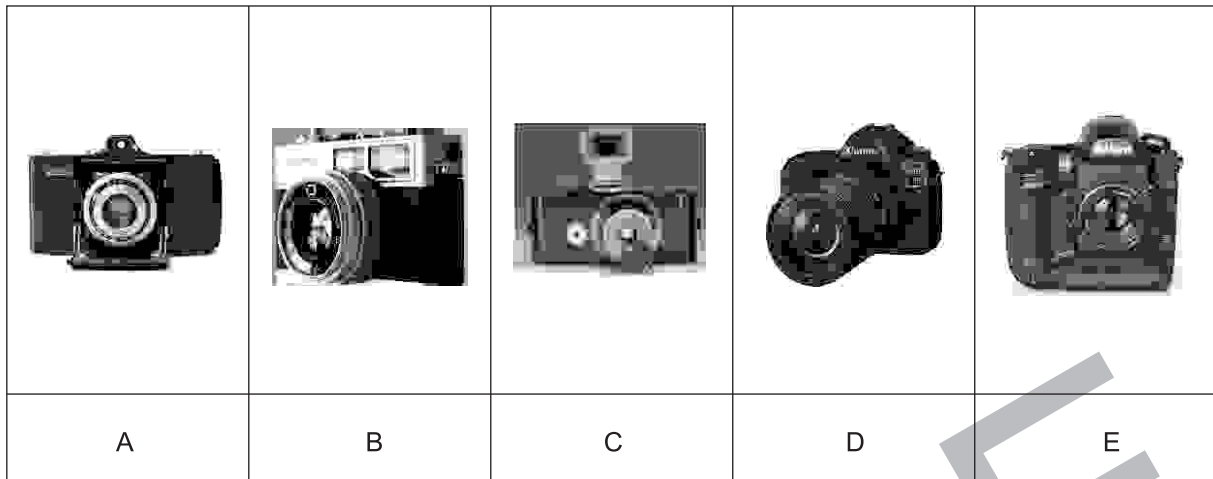
- Q3.** A square with a side of 10 cm was cut along the lines as shown in the figure. This created a circular piece of 3 cm radius. The centers of both square and circle are the same. What is the area (in cm^2) of the shaded portion? **(3 Marks)**



- Q4.** How many triangles are there in the 3-dimensional structure shown below? **(3 Marks)**



Q5. Below are 5 images of cameras that were used across different time periods, placed in a random order. Write down the correct sequence of the cameras according to the time scale, from past to present, in the box provided below. **(2 Marks)**



Past to Present

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Q6. The word below is written in one specific font. Identify which of the options of letter “a” belong to the same font. (Tick one) **(2 Marks)**

design

a	à	á	ä
<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>





Q7. Answer the following questions
(50 Marks)

1. What does connecting the dots mean?
 - a) Draw a line
 - b) Think of various options
 - c) Borrow information from pre-acquired knowledge and information.
 - d) None of the above

2. Vladimir Putin is
 - a) President of Russia
 - b) Perfume brand
 - c) Fashion brand
 - d) Car Brand

3. You are organising a conference. Arrange the following action steps in correct sequence. 1. Presentation 2. Recommendation 3. Arrival 4. Discussion 5. Introduction
 - a) 5, 3, 4, 1, 2
 - b) 3, 5, 4, 2, 1
 - c) 3, 5, 1, 4, 2
 - d) 5, 3, 1, 2, 4

4. How many dots are there on the dice face opposite the one with three dots?
 - a) 2
 - b) 4
 - c) 5
 - d) 6

5. 'Experience is the only teacher we have' this was said by whom?
 - a) Swami Vivekanand
 - b) Pt. Nehru
 - c) Mahatma Gandhi
 - d) Lokmanya Tilak

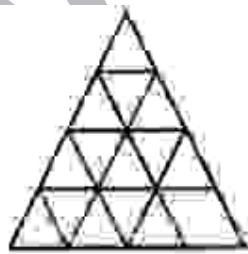
6. Ethnography is
 - a) A type of research.
 - b) Is a type of an analytical graph
 - c) Study of consumer consumption
 - d) Freestyle design

7. What is the name of the famous British Physicist who first set out the theory of cosmology?
 - a) Newton
 - b) Stephen Hawking
 - c) MGK Menon
 - d) APJ Abdul Kalam

8. Name the Bollywood Actor, director, singer, who died recently.
 - a) Sridevi
 - b) Shammi Kapoor
 - c) Shashi Tharoor
 - d) Shashi Kapoor

9. NASA is a
 - a) Branding agency
 - b) Space, aeronautics research agency
 - c) FMCG company
 - d) Political party

10. Which of the spelling is correct. Mark the correct spelling.
- Accoomodate
 - Accommodate
 - Accomodate
 - Acommodate
11. The famous leather and leather related goods, brand Hidesign was founded by
- Dilip Kapur
 - Dilip Kumar
 - Sabyasachi
 - Hemant Trivedi
12. Fresh fruit contains 68% water and dry fruit contains 20% water. How much dry fruit can be obtained from 100 kg of fresh fruits ?
- 20
 - 30
 - 40
 - 50
13. Roger Federer lost to _____ after unbeaten streak of 17 wins in 2018.
- Rafael Nadal
 - Juan Martin del Potro
 - Novac Djokovic
 - Pete Sampras
14. Which of the following structures has a fractal structure in it.
- Tree
 - Snow flake
 - Brain
 - All of the above
15. Which of the spelling is correct.
- Accountancy
 - Accountancy
 - Accountancy
 - Accounttancy
16. Find the minimum number of straight lines required to make the given figure.
- 9
 - 11
 - 15
 - 16

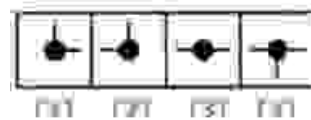
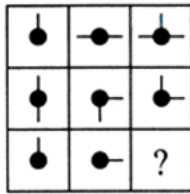


17. Design Capital for 2018 is
- Teipei, China
 - Mexico City, Mexico
 - Delhi, India
 - Seoul, South Korea

18. Which of the spelling is correct. Mark the correct spelling.
- Cannibale
 - Cannible
 - Cannibal
 - Cannebal

19. Select a suitable figure from the four alternatives that would complete the figure matrix.

- a) 1
- b) 2
- c) 3
- d) 4



20. Today is Monday. After 61 days, it will be :

- a) Tuesday
- b) Monday
- c) Sunday
- d) Saturday

21. If you write down all the numbers from 1 to 100, how many times will you write 3 ?

- a) 11
- b) 18
- c) 20
- d) 21

22. A clock is set right at 8 a.m. The clock gains 10 minutes in 24 hours. What will be the true time when the clock indicates 1 p.m. on the following day?

- a) 48 min. past 12
- b) 46 min. past 12
- c) 45 min. past 12
- d) 47 min. past 12

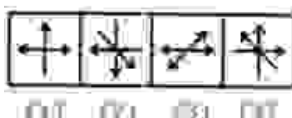
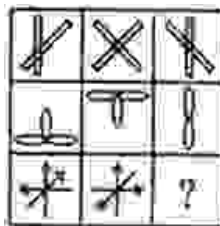
23. I. During the past year, Lakshay saw more movies than Ansh.
 II. Ansh saw fewer movies than Komal.
 III. Komal saw more movies than Lakshay.

If the first two statements are true, the third statement is

- a) true
- b) false
- c) uncertain
- d) none

24. Select a suitable figure from the four alternatives that would complete the figure matrix.

- a) 1
- b) 2
- c) 3
- d) 4



25. A is B's sister. C is B's mother. D is C's father. E is D's mother. Then, how is A related to D?

- a) Grandfather
- b) Grandmother
- c) Daughter
- e) Granddaughter

26. NDA is a _____
- Political Party
 - Institute
 - Legal document
 - All of the above
27. Express $451/13$ as a Decimal fraction
- 344.6923077
 - 34.6923077
 - 342.69230772
 - 342.69230772
28. Find 2 irrational numbers lying between root of 2 and root of 3.
- _____ & _____
29. Find the largest number which exactly divides 280 and 1245 leaving remainders 4 and 3, respectively.
- _____
30. Which of the following fractions is at least twice as great as $11/50$?
- $2/5$
 - $11/34$
 - $43/99$
 - $8/21$
 - $9/20$
31. An ice cream stand sold only small and large cups of vanilla ice creams on Tuesday. $3/5$ of the cups sold were small and the rest were large. If the large cups were sold for $7/6$ as much as the small cups, what fraction of Tuesday's total revenue was from the sale of large cups?
- $7/16$
 - $7/15$
 - $10/21$
 - $17/35$
32. Bag A contains red, white and blue marbles such that the red to white marble ratio is 1:3 and the white to blue marble ratio is 2:3. Bag B contains red and white marbles in the ratio of 1:4. Together, the two bags contain 30 white marbles. How many red marbles could be in bag A?
- 1
 - 3
 - 4
 - 6
 - 8
33. Kiran, Jia and Dinesh worked in the ratio of 1:2:4 hours, respectively. How many hours did Dinesh work if
- Together, Jia, Kiran and Dinesh worked a total of 49 hours.
 - Dinesh worked 21 hours more than Jia.

Ans. _____

34. How many sides does this figure have in the conspicuous portion ?



35. The table below provides revenues of a certain company in 2002 and 2003. By what percent did the average quarterly revenue change from 2002 to 2003?

Quarter	Quarterly revenues, MM USD	
	2002	2003
I	10	12
II	11	13
III	12	14
IV	13	15

37. Last year, five employees of Company X took an average of 16 vacation days each. What was the average number of vacation days taken by the same employees this year if
- Three employees had a 50% increase in their number of vacation days, and two employees had a 50% decrease.
 - Three employees had 10 more vacation days each, and two employees had 5 fewer vacation days each.

Ans. _____

39. What is an Equinox?
- Solar phenomenon
 - Blue moon
 - Phenomenon related to Earth's Equator
 - Solar Eclipse
40. "Worldwide Leader in Sports" is the tagline of
- Star Sports
 - Ten Sports
 - ESPN
 - None of the above.
41. In strategic brand management, focus is on
- Brand positioning
 - Brand marketing
 - Brand performance
 - All of the above
42. Marketers can apply a branding on
- Physical good
 - A service
 - A store and organization
 - All of the above
43. Look at this series: 22, 21, 23, 22, 24, 23, ... Which number should come next ?
- 22
 - 24
 - 25
 - 26
44. A person crosses a 600 m long street in 5 minutes. What is his speed in km per hour?
- 3.6
 - 7.2
 - 8.4
 - 10
45. If a person walks at 14 km/hr instead of 10 km/hr, he would have walked 20 km more. The actual distance travelled by him is:
- 50 km
 - 56 km
 - 70 km
 - 80 km

46. Which wicket keeper recently became the first Indian player to effect 10 dismissals in a test.
- MS Dhoni
 - Parthiv Patel
 - Wriddhiman Saha
 - Naman Ojha
47. 'Stephen Hawking' passed away recently. Who was he?
- Actor
 - Doctor
 - Scientist
 - Violinist
48. 'Samba' is a dance form from –
- Peru
 - Brazil
 - Mexico
 - Argentina
49. Which of the following names is not associated with painting?
- Manjit Bawa
 - KL Saigal
 - MF Husain
 - Jamini Roy
50. The film 'Kai Po Che' is based on the novel –
- Lashkar
 - The god of small things
 - The three mistakes of my life
 - The story of my marriage

Q 8. Read the comic strip given below and complete the paragraph

(2 Marks)



While making the list of what Charlie wanted from Santa Claus, he asked Patty how she thought Santa _____ all those toys. Patty replied that it was possible as everything _____. She could bet that _____, he would find that Santa _____ big eastern chain

- was being financed by some
- if the truth were brought out
- could afford to give away
- these days is promotion

