

COMMON ENTRANCE TEST- 2017

I. QUANTITATIVE APTITUDE AND DATA INTERPRETATION

1. Find out the missing term in the series.

..., 7980, 26970, 63960, 124950

- A) 795 B) 990 C) 880 D) 790

2. In a particular store, the profit is 320% of the cost. If the cost increases by 25% but the selling price remains constant, approximately what percentage of the selling price is the profit?

- A) 30% B) 70% C) 100% D) 250%

3. A man purchased a cow for Rs. 3000 and sold it the same day for Rs. 3600, allowing the buyer a credit of 2 years. If the rate of interest is 10% per annum, then the man has a gain of:

- A) 0% B) 5% C) 7.5% D) 10%

4. A man walked diagonally across a square plot. Approximately, what was the percent saved by not walking along the edges?

- A) 30 B) 40 C) 50 d) 60

5. Kriya deposits an amount of Rs. 65,800 to obtain a simple interest at the rate of 14% per annum for 4 years. What total amount will Kriya get at the end of 4 years?

- A) 102648 B) 115246 C) 125578 D) Rs. 110324

Read the table given below and find the correct answer for questions 6 to 10.

The following table shows the production of food grains (in million tonnes) in a State for the period from 2004 - 05 to 2008 - 09.

Year	Wheat	Rice	Maize	Other cereals	Total
2004-05	11600	3400	3000	7000	25000
2005-06	12000	4400	4680	8000	29080
2006-07	11200	4800	4560	8400	28960
2007-08	13600	6000	7600	9200	36400
2008-09	17200	5200	6800	10000	39200
Total	65600	23800	26640	42600	158640

6. During the period from 2004-05 to 2008-09, what percent of the total production is wheat?
A) 42.6% B) 43.1% C) 41.3% D) 40.8%
7. During the year 2008-09, what is the percent increase in production of wheat over the previous year?
A) 26.4% B) 20.9% C) 23.6% D) 18.7%
8. In the year 2007-08, the increase in production was maximum for:
A) wheat B) rice C) maize D) other cereals
9. During the year 2006 -07, the percentage of decrease in production of maize was:
A) 2.63% B) 2.56% C) 2.71% D) 2.47%
10. The increase in production of other cereals was minimum during the year:
A) 2005-06 B) 2006-07 C) 2007-08 D) 2008-09

II. GENERAL APTITUDE – LOGIC & REASONING

11. In a certain code language, CLOTH is written as DNRXM. How is SOUTH denoted in that code language?

- A) TQXXM B) MXQTX C) TPVUI D) TXXQM

Answer questions 12 to 14 after reading the following lines.

In a certain code language 'this is Hindi book' is written as 'se ha jo ka', 'price of Hindi book' is written as 'ta li ha jo' and 'book is costly' is written as 'pa ka jo'.

12. How is 'book' written in that code language?

- A) li B) jo C) se D) pa

13. Which of the following is the code for 'costly price'?

- A) pa li B) ha ka C) li se D) can't be determined

14. 'se' is the code for

- A) Price B) hindi C) of D) none of these

15. Introducing a man to her husband, a woman said, "His brother's father is the only son of my grandfather." How is the woman related to this man?

- A) Mother B) Aunt C) Sister D) Daughter

16. How is Radha's mother's mother's daughter-in-law's daughter related to Radha?

- A) Sister B) Mother C) Cousin D) Aunt

Read the following lines for questions 17 to 18

A, B, C, I, J and K are six family members. J is son of I, who is not the mother of J. B is brother of I. K and I are a married couple. C is daughter of K, who is sister of A.

17. How is J related to C?

- A) Father B) Brother C) Sister D) Mother

18. How many female members are there in the family?

- A) Two B) three C) Four D) Can't be determined

19. Fill the series: CDDP DEER EFFT FGGV GHHX _____.

- A) HIJY B) ZIIH C) HIIZ D) HIJZ

20. Find the odd one out

- A) door: bang B) piano: play C) drum: beat D) rain: platter

III. READING COMPREHENSION AND VERBAL ABILITY

Read the following passage for questions from 21 to 25.

Homing pigeons are placed in a training program from about the time they are twenty-eight days of age. They are taught to enter the loft through a trap and to exercise above and around the loft, and gradually they are taken away for short distances in wicker baskets and released. They are then expected to find their way home in the shortest possible time.

In their training flights or in actual races, the birds are taken to prearranged distant points and released to find their way back to their own lofts. Once the birds are liberated, their owners, who are standing by at the home lofts, anxiously watch the sky for the return of

their entries. Since time is of the essence, the speed with which the birds can be induced to enter the loft trap may make the difference between gaining a win or a second place.

The head of a homing pigeon is comparatively small, but its brain is one quarter larger than that of the ordinary pigeon. The homing pigeon is very intelligent and will persevere to the point of stubbornness - some have been known to fly a hundred miles off course to avoid a storm. Some homing pigeon experts claim that this bird is gifted with a form of built-in radar that helps it find its own loft after hours of flight, for hidden under the head feathers are two very sensitive ears, while the sharp, prominent eyes can see great distances in daytime.

Why do homing pigeons fly home? They are not unique in this inherent skill: it is found in most migratory birds, in bees, ants, toads, and even turtles, which have been known to travel hundreds of miles to return to their homes. But in the animal world, the homing pigeon alone can be trusted with its freedom and trained to carry out the missions that people demand.

21. What is the purpose of the passage?

- A) To convince the reader to buy a homing pigeon
- B) To inform the reader about homing pigeons and their training
- C) To protect homing pigeons against the threat of extinction
- D) To encourage the owners of homing pigeons to set the birds free

22. According to the passage, what happens to homing pigeons when they are about a month old?

- A) They are kept in a trap.
- B) They enter their first race.
- C) They begin a training program.
- D) They get their wings clipped and marked.

23. According to the passage, what is the difference between a homing pigeon and an ordinary one?

- A) The span of the wings
- B) The shape of the eyes
- C) The texture of the feathers
- D) The size of the brain

24. The author mentions all of the following attributes that enable a homing pigeon to return home EXCEPT

- A) Instinct
- B) Air sacs
- C) Sensitive ears
- D) Good eyes

25. Why does the author mention bees, ants, toads, and turtles in the last paragraph?

- A) To describe some unusual kinds of pets
- B) To measure distances traveled by various animals
- C) To compare their home-finding abilities with those of homing pigeons
- D) To interest the reader in learning about other animals

26. ONE WORD SUBSTITUTION

What is 'release of a prisoner from jail on certain terms and conditions' called?

- A) Parole
- B) Bail
- C) Pardon
- D) Acquittal

27. SENTENCE CORRECTION

Had he worked hard for the test, he had passed.

- A) He was passed
- B) He should passed
- C) He should have passed
- D) He would have passed

28. CRITICAL REASONING

Efficiency is all right in its place, in the shop, the factory, the store. The trouble with efficiency is that it wants to rule our play as well as our work; it won't be content to reign in the shop, it follows us home.

It can be inferred from the above passage that

- A) Efficiency can become all-pervading
- B) Efficiency does not always pay
- C) Efficiency can be more of a torture than blessing
- D) None of these

29. SENTENCE IMPROVEMENT

From the four statements which express the same idea, choose the alternative that is most concise and clear and also grammatically correct.

- A) Gopal and Ramesh have not finished his work
- B) Gopal and Ramesh has not finished his work
- C) Neither Gopal nor Ramesh have finished their work
- D) Neither Gopal nor Ramesh has finished his work

30. ANALOGY

Boat : Oar :: Bicycle : ?

- A) Chain B) Pedal C) Road D) Wheel

IV. GENERAL & SOCIAL AWARENESS

31. Which of the following IITs has been engaged to devise the Happiness Index in Madhya Pradesh?

- A) IIT - Kharagpur B) IIT - Madras C) IIT - Bombay D) IIT - Jodhpur

32. The district that obtained the last rank in the Tamil Nadu Human Development Indicator Index as per Tamil Nadu Human Development Report 2017 is

- A) Tiruvarur B) Ariyalur C) Theni D) Villupuram

33. ESIC Stands for_____

- A) Employees' State Industrial Corporation
B) Employees' State Insurance Corporation
C) Employees' State Insurance Company
D) Employees' State Industrial Company

34. As of 2016-17, the Managing Director & CEO of ICICI bank is

- A) Rana Kapoor B) Shikha Sharma C) Shyam Srinivasan D) Chanda Kochhar

35. The Dhola - Sadiya bridge connects

- A) Delhi and Gauhati
B) Assam & Arunachal Pradesh
C) Arunachal Pradesh & Meghalaya
D) Kolkatta and Myanmar

36. What are the potential risks involved with GM crops?

- i. The danger of unintentionally introducing allergens and other anti-nutrition factors in foods.

- ii. The potential for pests to evolve anti-resistance to the toxins produced by GM crops.
- iii. The likelihood of transgenes escaping from cultivated crops into wild relatives.

Choose the correct answer from the codes given below:

- A) i and iii only B) ii and iii only C) i and ii only D) i, ii, and iii

37. The book 'At the close of play' is an autobiography of

- A) Gary Kristen B) Yuvaraj Singh C) Rahul Dravid D) Ricky Ponting

38. The first Indian Bank to introduce 'Smart Vault', a fully automated locker facility using robotic technology to access lockers from safe vault is

- A) IDBI Bank B) Federal Bank C) HDFC Bank D) ICICI Bank

39. An agriculture museum recently inaugurated at the 'Indira Gandhi Krishi Vishwa Vidhayalaya' is situated in

- A) Raipur, Chhattisgarh B) Raebareli, Uttar Pradesh
C) Rajkot, Gujarat D) Rewari, Haryana

40. The gases responsible for acid rain are

- A) Sulfur Dioxide and Nitrogen
B) Neon and Argon
C) Neon and Helium
D) Hydrogen and Helium

41. India's first Paralympian gold medallist in 2016 is

- A) Deepa Malik B) Varun Singh Bhati
C) Mariyappan Thangavelu D) P.V.Sindhu

42. Polio is caused by

- A) Fungus
B) Bacteria
C) Virus with single stranded RNA
D) Virus with single stranded DNA

43. The civilian airport of highest altitude is in
A) Tibet B) Nepal C) India D) China
44. In World Bank's Doing Business Index 2016, India has been placed at
A) 118th rank B) 121st rank C) 130th rank D) 136th rank
45. Abdul Kalam Island is located in
A) Tamil Nadu B) Andhra Pradesh C) West Bengal D) Odisha
46. The term 'Biological passport' is associated with
A) genetic profiling of an individual
B) an Athlete's biological marker for Doping test
C) a biological marker of a diseased person
D) a medical certificate for diagnosis on foreign hospitals
47. The right to form associations and unions is a right
A) Guaranteed to everybody
B) To freedom guaranteed to citizens only
C) To equality before law
D) To life and personal liberty
48. Which of the following is/are credit rating agency/agencies in India?
A) CRISIL B) CARE C) ICRA D) All of the above
49. Which one of the following is not a 'biodiversity hotspot' of India?
A) Himalayas B) Vindhya C) North-East India D) Western Ghats
50. Heinz award is given in the fields of
i. Art ii. Environment iii. Public Policy iv. Mathematics v. Technology
Select the correct answer using the codes given below:
A) All fields B) ii, iii, iv and v C) i, ii, iii and v D) i, ii, iv and v
