

CCAT

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(Q1-Q5) The assault on the purity of the environment is the price that we pay for many of the benefits of modern technology. For the advantage of automotive transportation, we pay a price in smog-induced diseases; for the powerful effects of new insecticides, we pay a price in dwindling wildlife and disturbances in the relation of living things and their surroundings; for nuclear power, we risk the biological hazards of radiation. By increasing agricultural production with fertilizers, we worsen water population.

The highly developed nations of the world are not only the immediate beneficiaries of the good that technology can do, that are also the first victims of environmental diseases that technology breeds. In the past, the environmental effects which accompanied technological progress were restricted to a small and relatively short time. Modern air pollutants cover vast areas of continents: Radioactive fallout from the nuclear explosion is worldwide. Radioactive pollutants now on the earth surface will be found there for generations, and in case of Carbon-14, for thousands of years.

1. The widespread use of insecticides has
- A. reduced the number of wild animals
 - B. caused imbalance in the relationship between living beings and their environment
 - C. eliminated diseases by killing mosquitoes and flies
 - D. caused biological hazards

A B C D

Clear Answer

Mark For Review

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nuclear explosion is worldwide. Radioactive pollutants now on the earth surface will be found there for generations, and in case of Carbon-14, for thousands of years.

1. The widespread use of insecticides has
- A. reduced the number of wild animals
 - B. caused imbalance in the relationship between living beings and their environment
 - C. eliminated diseases by killing mosquitoes and flies
 - D. caused biological hazards

A B C D

2. The passage emphasizes that modern technology

- A. is an unmixed blessing
- B. has caused serious hazards to life
- C. has produced powerful chemicals
- D. has benefited highly developed nations

A B C D

3. According to the passage the increasing use of fertilisers is responsible for

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- B. has caused serious hazards to life
C. has produced powerful chemicals
D. has benefited highly developed nations

A B C D

3. According to the passage the increasing use of fertilisers is responsible for

- A. abundance of food
B. disturbance in the ecological system
C. water pollution
D. increase in diseases

A B C D

4. The harmful effects of modern technology are

- A. widespread but short-lived
B. widespread and long-lasting
C. limited and long-lasting
D. severe but short-lived

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D. increase in diseases

A B C D

4. The harmful effects of modern technology are

- A. widespread but short-lived
- B. widespread and long-lasting
- C. limited and long-lasting
- D. severe but short-lived

A B C D

5. Radioactive pollutants

- A. are limited in their effect
- B. will infect the atmosphere for thousands of years
- C. will be on the surface of earth for a very long time
- D. will dissipate in short span of time

A B C D

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5. Radioactive pollutants

- A. are limited in their effect
- B. will infect the atmosphere for thousands of years
- C. will be on the surface of earth for a very long time
- D. will dissipate in short span of time

A B C D

6. Neither C++ nor Java as complicated as Python.

- A: are B: is C: have D: has

A B C D

7. I visit my parents as I work in a different city. Fill in the blank with the appropriate idiom.

A: B:

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6. Neither C++ nor Java as complicated as Python.

A: are B: is C: have D: has

A B C D

7. I visit my parents as I work in a different city. Fill in the blank with the appropriate idiom.

A: once in a month B: once in a blue moon
C: once in a full moon D: once in a white moon

A B C D

8. Muslims during the month of Ramadan.

A: fast B: fasts C: has fast D: have fast

A B C D

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9. They have their lessons for life.

A: learn

B: learned

C: learning

D: learnt

A B C D

10. The meter is not showing the fare.

A: right

B: rite

C: write

D: wright

A B C D

11. Look a dictionary and check the meaning of that word.

A: in

B: at

C: into

D: up

A B C D

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A B C D

12. Don't try that. It is too

A: risk B: much risk C: risky D: risked

A B C D

13. Let's not worry. She will do it.

A: sure B: of sure C: assure D: surely

A B C D

14. Which of the following parts of speech is not grammatically related to any other part of a sentence?

A: Preposition B: Conjunction C: Interjection D: Article

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A B C D

15. "Barking dogs bite" is a famous proverb.

A: never B: rarely C: seldom D: don't

A B C D

16. verbs allow the voice change from active to passive.

A: Transitive B: Intransitive C: Regular D: Irregular

A B C D

17. Modem is a/an for Modulator-Demodulator.

A: abbreviation B: portmanteau C: acronym D: contraction

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18. In the sentence "Better late than never", late and never are

A: adjectives

B: nouns

C: verbs

D: adverbs

A B C D

19. Man meddling with nature for a long time now.

A: is

B: had been

C: has been

D: have been

A B C D

20. Rather than reality, most people like to stay in utopian world.

A: an

B: the

C: that

D: a

A B C D

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21. The population of a town increases 10% and 20% respectively in two consecutive years. The present population of the town is 10000. Then what will be the population of the town 2 years later?

A: 12100 B: 13200 C: 14400 D: 12000

A B C D

22. A sum of money is to be distributed among A, B, C, D in the proportion of 5 : 2 : 4 : 3. If C gets Rs.1000 more than B, what is D's share?

A: 500 B: 1000 C: 1500 D: 2000

A B C D

23. 2 dragons and 8 unicorns are bought at an average of Rs.140. If the average price of a unicorn is Rs.60. What is the average price of a dragon?

A: 460 B: 920 C: 960 D: 480

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A B C D

24. A shopkeeper sells 40 meters of cloth. His gain is equivalent to the selling price of 10 meters. Find the gain percent.

A: 25%

B: 20%

C: 33.33%

D: 50%

A B C D

25. The HCF of 1.08, 0.36 and 0.9 is:

A: 0.108

B: 0.18

C: 0.9

D: 0.3

A B C D

26. Which of the following numbers is divisible by each one of 3, 7, 9 and 11?

A: 7911

B: 37911

C: 639

D: 2079

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27. A starts business with Rs. 3500 and after 5 months, B joins with A as his partner. After a year, the profit is divided in the ratio 2 : 3. What is B's contribution in the capital?

A: 7500

B: 8000

C: 8500

D: 9000

A B C D

28. A bag contains 7 red, 5 blue and 3 green balls. If 2 balls are picked at random, what is the probability that the first is red and the second is blue?

A: 2/15

B: 1/6

C: 4/5

D: 3/10

A B C D

29. A is two years older than B, who is twice as old as C. If the total of the ages of A, B and C be 27, the how old is B?

A: 10 years

B: 3 years

C: 4 years

D: 9 years

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A B C D

30. Through how many degrees will the hour hand rotate from 5 o'clock in the evening up to when the clock shows 11:15 p.m. on the same day?

A: 180.50° B: 195° C: 187.50° D: 150.50°

A B C D

31. How many kilogram of sugar costing Rs. 9 per kg must be mixed with 27 kg of sugar costing Rs. 7 per kg so that the mixture costs Rs. 8.4 per kg?

A: Rs 63/kg B: Rs 60/kg C: Rs 49/kg D: Rs. 44/kg

A B C D

32. A hall is 15 m long and 12 m broad. If the sum of the areas of the floor and the ceiling is equal to the sum of the areas of four walls, the volume of the hall is:

A: 720 B: 900 C: 1800 D: 1200

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33. The difference between the CI and SI on a certain sum at 10% per annum for 2 years is Rs. 631. Find sum.

A: Rs. 63100 B: Rs. 6310 C: Rs. 63200 D: Rs. 60000

A B C D

34. Two trains for Hogwarts leave Narnia at 6 a.m. and 6:45 a.m. and travel at 100 kmph and 136 kmph respectively. How many kilometers from Narnia will the two trains be together?

A. 272 km B. 260 km C. 283.33 km D. 262.4 km

A B C D

35. A software programmer provider has been training its manpower in such a way that 36 programmers could write 36 software programs of similar nature in 36 hours. The company has received an order for getting 84 software programs of similar nature in 24 hours. How many additional programmers should the company employ for this project?

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Rs. 631. Find sum.

A: Rs. 63100

B: Rs. 6310

C: Rs. 63200

D: Rs. 60000

A B C D

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A: 126

B: 90

C: 100

D: 80

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A: 126

B: 90

C: 100

D: 80

A B C D

36 Question : In which year was Rahul born?

Statements :

I. Rahul at present is 25 years younger than his mother.

II. Rahul's brother Bruce, who was born in 1964, is 35 years younger to his mother.

Which statement(s) is/are needed to find the answer?

A: Only I

B: Only II

C: Both I and II together

D: Data insufficient

A B C D

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37. The knowledge of 6 persons X, Y, Z, A, B and C in relation to each other is given. X knows more than A. Y knows as much as B. Z knows less than C, who knows less than B. A knows more than Y. The most knowledgeable person amongst all is:

A: X

B: Y

C: A

D: C

A B C D

38. If in a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that code?

A: CPNCBX

B: CPNCBZ

C: CPOCBZ

D: CQOCBZ

A B C D

39. Fill in the blank to complete the series.
SCD, TEF, UGH, _____, WKL

A: VMN

B: UJI

C: VIJ

D: IJT

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40. Fill in the blank to complete the series.
9, 3, 1, (1/3), _____

A: 1/6

B: 1/12

C: 1/4

D: 1/9

A B C D

41. By using which mathematical operations will the expression "36 ? 12 ? 18 ? 54" become correct?

A: x, /, =

B: /, x, =

C: x, +, =

D: +, -, =

A B C D

42. Choose the set in which the statements are logically related.

I. X and Y are siblings.

II. X and Y do not quarrel.

III. Siblings are known to quarrel often.

IV. X and Y quarrel often.

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A: II, IV, V

B: I, IV, VI

C: I, III, IV

D: I, II, V

A B C D

43. Bran said to Rickon, "That boy playing with the football is the younger of the two sons of the daughter of my father's wife." How is the boy playing football related to Bran?

A: Brother-in-law

B: Son

C: Nephew

D: Brother

A B C D

44. Choose the word which is different from the rest.

A: Walk

B: Pull

C: Hear

D: Jump

A B C D

45. AA, BB, CC, DD and EE are five girls competing in a running race. CC and AA have

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A B C D

44. Choose the word which is different from the rest.

A: Walk

B: Pull

C: Hear

D: Jump

A B C D

45. AA, BB, CC, DD and EE are five girls competing in a running race. CC and AA have at least two girls ahead of each of them. EE and AA do not have more than one girl behind each of them. Who arrives at the finish line after two girls as well as before two other girls, if no two girls finish the race at the same time?

A: BB

B: DD

C: EE

D: CC

A B C D

46. At a buffet, six sweets are in a circular order on a table. Chocobar is opposite to Doughnut. There is one sweet between Eclairs and Froyo. Icecream sandwich is to immediate right of Doughnut. Kitkat is one of the sweets. Which sweet is second to the left of Icecream sandwich?

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A B C D

46. At a buffet, six sweets are in a circular order on a table. Chocobar is opposite to Doughnut. There is one sweet between Eclairs and Froyo. Icecream sandwich is to immediate right of Doughnut. Kitkat is one of the sweets. Which sweet is second to the left of Icecream sandwich?

A: Eclairs

B: Froyo

C: Kitkat

D: A or B

A B C D

47. A boy runs 5 km towards East and then turns left and walks 6 km. Again he turns right and walks 9 km. Finally, he turns to his right and walks 6 km. How far is he from the starting point and in which direction?

A. 9km, West

B. 14km, East

C. 9km, East

D. 14km, West

A B C D

48. Three friends had dinner at a restaurant. When the bill was received, Chandler paid

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10	27	44 ✓
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48. Three friends had dinner at a restaurant. When the bill was received, Chandler paid $\frac{2}{3}$ as much as Joey paid and Joey paid $\frac{1}{2}$ as much as Ross paid. What fraction of the bill did Joey pay?

A: $\frac{1}{3}$

B: $\frac{3}{11}$

C: $\frac{12}{13}$

D: $\frac{5}{8}$

A B C D

49. A family consists of six members P, Q, R, S, T and U. There are two married couples. Q is a doctor and the father of T. U is grandfather of R and is a contractor. S is grandmother of T and is a housewife. There is one doctor, one contractor, one nurse, one housewife and two students in the family. Which of the following is definitely a group of male members?

A: QU

B: QUT

C: QUP

D: UT

A B C D

50. Tom started chasing Jerry from the dining table, ran behind him for $16\sqrt{2}$ m towards South-West, from there 2 m towards the East, then 9 m towards North, and then 2 m towards East and finally he ran for 7 m till the door in the North and caught Jerry. In

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A B C D

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A: QU

B: QUT

C: QUP

D: UT

A B C D

50. Tom started chasing Jerry from the dining table, ran behind him for 16 m towards South-West, from there 2 m towards the East, then 9 m towards North, and then 2 m towards East and finally he ran for 7 m till the door in the North and caught Jerry. In which direction is the dining table with respect to the door?

A. North-West

B. West

C. East

D. South-East

A B C D

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