

Himachal Pradesh Common Entrance Test

2015 Question Paper (Fully Solved)

SECTION – A

Directions (Qs. 1 to 3): In the following questions, choose the word which best expresses the meaning given word.

1. CORPULENT

- a) Lean b) Gaunt c) Emaciated d) Obese

2. EMBEZZLE

- a) Misappropriate b) Balance c) Remunerate d) Clear

3. BRIEF

- a) Limited b) Small c) Little d) Short

Directions (Qs. 4 to 6): In the following questions choose the word which is the exact opposite of the given words.

4. ENORMOUS

- a) Soft b) Average c) Tiny d) Weak

5. COMMISSIONED

- a) Started b) Closed c) Finished d) Terminated

6. RELINQUISH

- a) Abdicate b) Renounce c) Possess d) Deny

Directions (Qs. 7 to 9): Pick out the most effective word (s) form the given words to fill in the blank to make the sentence meaningfully complete.

7. Catching the earlier train will give us the to do some shopping.

- a) chance b) luck c) possibility d) occasion

8. I saw a of cows in the field.

- a) group b) herd c) swarm d) flock

9. If you smuggle goods into the country, they may be by the customs authority.

- a) possessed b) punished c) confiscated d) fined

Directions (Qs. 10 to 12): In each question below, there is a sentence of which some parts have been jumbled up. Rearrange these parts which are labelled P, Q, R and S to produce the correct sentence. Choose the proper sequence.

10. When he

P: did not know

Q: he was nervous and

R: heard the hue and cry at midnight

S: what to do

The proper sequence should be

- a) RQPS b) QSPR c) SQPR d) PQRS

11. It has been established that

P: Einstein was

Q: although a great scientist

R: weak in arithmetic

S: right from his school days

The proper sequence should be

- a) SRPQ b) QPRS c) QPSR d) RQPS

12. Then

P: it struck me

Q: of course

R: suitable it was

S: how eminently

The proper sequence should be

- a) SPQR b) QSRP c) PSRQ d) QPSR

Directions (Qs. 13 to 15): Read each sentence to find out whether there is any grammatical error in it. The error, if any will be in one part of the sentence. The letter of that part is the answer. If there is no error, the answer is 'D'. (ignore the errors of punctuation, if any)

13. (solve as per the direction given above)

- a) We discussed about the problem so thoroughly
b) on the eve of the examination
c) that I found it very easy to work it out.
d) No error

14. (solve as per the direction given above)

- a) An Indian ship b) laden with merchandise
c) got drowned in the Pacific Ocean d) No error

15. (solve as per the direction given above)

- a) The Indian radio
b) which was previously controlled by the British rulers
c) is free now from the narrow vested interests.
d) No error

Directions (Qs. 16 to 18): Each question consist of two words which have a certain relationship to each other followed by four pairs of related words. Select the pair which has the same relationship.

16. DIVA : OPERA

- a) producer : theatre b) director : drama c) conductor : bus d) thespian : play

17. LIGHT : BLIND

- a) speech : dumb b) language : deaf c) tongue : sound d) voice : vibrato

18. AFTER : BEFORE

- a) First : second
b) Present : past
c) Contemporary : historic
d) Successor : predecessor

Directions (Qs. 19 to 21): questions given below, out of four alternatives, choose the one which can be substituted for the give word/ sentence.

19. The study of ancient societies

- a) Anthropology b) Archaeology c) History d) Ethnology

20. State in which the few governt many

- a) Monarchy b) Oligarchy c) Plutocracy d) Autocracy

21. Leave or remove form a play considered dangerous

- a) Evade b) Evacuate c) Avoid d) Exterminate

Directions (Qs. 22 to 25): Read the following passage carefully an answer the questions given below

The world dismisses curiosity calling it idle or mere idle curiosity ev though curious persons are seldom ic Parents do their best to extingui curiosity in their children because makes life difficult to be faced everyc with a string of unansweable question about what makes fire hot or why gra grows. Children whose curiosity survun parental discipline are invited to join c university. With the university, they on asking their questions and trying find the answer. In the eyes of a schol that is what a university for. Some the questions which the scholars seem to the world to be scarcely work asking, let alone answering, they ask questions too minute and specialised you and me to understand without yes of explanation. If the world inquires one of them why he wants to know answer to a particular question he say especially if he is a scientist that answer will in some obscure way make possible a new machine or weapon or gadget. He talks that way because he knows that the world understands and respects utility.

But to you who are now part of the university he will say that he wants to know the answer simply because he does not know it the way the mountain climber wants to climb a mountain, simply because it is there Similarly a historian asked by an outsider why he studies history may come out with the argument that he has learn to respect to report on such occasions, something about knowledge of the past making it possible to understand the present and would the future. But if you really want to know why a historian studies, the past, the answer is much simpler, something happened and he would like to know what. All this does not mean that the answer which scholars to find to their enormous consequences but these seldom form the reason for asking the question or pursuing the answers. It is true that scholars can be put to work answering questions for sake of the consequences as thousands are working now, for example, in search of a cure for cancer. But this is not the primary scholars. For the consequences are usually subordinate to the satisfaction of curiosity.

22. According to their passage, parents do their best to discourage curiosity in their children

- a) because they have no time
b) because they have no patience to answer them
c) because they feel that their children ask stupid questions continuously
d) because they are unable to answer all the questions

23. The common people consider some of the questions that the scholars ask unimportant
- a) as they are too lazy and idle
 - b) as they are too modest
 - c) as it's beyond their comprehension
 - d) as it is considered a waste of time
24. Children whose curiosity survives parental discipline means
- a) children retaining their curiosity spite of being discouraged by their parents
 - b) children pursuing their mental curiosity
 - c) children's curiosity subdued due to parents intervention
 - d) children being disciplined by their parent
25. According to their passage, the children make life difficult for their parents
- a) by their ceaseless curiosity
 - b) by unceasing bombardment to questions
 - c) by asking irrelevant questions
 - d) by posing profound question
26. A ladder 15m long reached a window which is 9m above the ground on one side of a street. Keeping its foot at the same point, the ladder is turned to the other side of the street to reach a window 12m high. Find out the width of the street.
- a) 19m
 - b) 21m
 - c) 20m
 - d) 22m
27. An iron pipe 20 cm long has exterior diameter equal to 25 cm. If the thickness of the pipe is 1 cm, the whole surface of the pipe is:
- a) 3068 cm²
 - b) 3168 cm²
 - c) 3268 cm²
 - d) 3368 cm²
28. A train covers 180k, distance in 4 hours Another train covers the same distance in 1 hour less. What is the difference in the distance covered by these train in one hour?
- a) 45 km
 - b) 9 km
 - c) 40 km
 - d) None of these
29. Speed of a speed-boat when moving in the direction perpendicular to the direction of the current is 16 km/ hr, speed of the current is 3 km per hour. So the speed of the boat against the current will be (in km/hr)
- a) 22
 - b) 9.5
 - c) 10
 - d) None of these
30. R and S start walking towards each other at 10 A.M, at speed of 3 km per hour and 4 km per hour respectively. They were initially 17.5 km apart. At what time do they meet?
- a) 2 : 30 P.M.
 - b) 11 : 30 P.M.
 - c) 1 : 30 P.M.
 - d) 12 : 30 P.M.

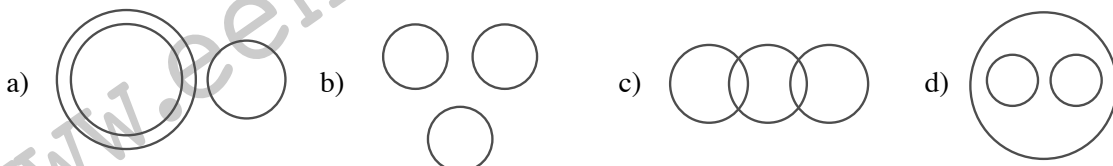
SECTION - B

31. A part of monthly expenses of a family is constant and the remaining varies with the price of wheat, When the rate of wheat is Rs. 250 a quintal, the total monthly expenses of the family are Rs. 1,000 and when it is Rs. 240 a quintal, the total monthly expenses are Rs. 980. Find the total monthly expenses of the family when the cost four wheat is Rs. 250 a quintal.
- a) Rs. 1,000 b) Rs. 1,400 c) Rs. 1,200 d) Rs. 800
32. A box contains 5 brown and 4 white socks. A man takes out two socks. The probability that they are the same colour is
- a) $\frac{5}{18}$ b) $\frac{1}{6}$ c) $\frac{5}{108}$ d) $\frac{4}{9}$
33. From the salary four an officer, 10% is deducted as house rent, 15% of the rest he spends on children's education and 10% of the balance, he spends on clothes. After this expenditure he is left with Rs. 1,377. His salary is
- a) Rs. 2,100 b) Rs. 2,040 c) Rs. 2,000 d) 2,200
34. The average of marks obtained by 120 candidates was 35. If the average of the passed candidates was 39 and that of the failed candidates was 15, then the number of those candidates, who passed the examination, was
- a) 120 b) 110 c) 100 d) 150
35. How many times do the hands of a clock coincide in a day?
- a) 20 b) 21 c) 22 d) 24
36. A person walking at 4 kmph reaches his office 8 minutes late. If he walks at 6 kmph, he reaches there 8 minutes earlier. How far is the office from his house?
- a) $3\frac{1}{5}$ km b) $2\frac{1}{5}$ km c) $4\frac{1}{5}$ km d) $5\frac{1}{5}$ km
37. N is the greatest number which divides 1305, 4665 and 6905 and gives the same remainder in each case. What is the sum of the digits in N?
- a) 4 b) 3 c) 6 d) 5
38. If m and n are whole numbers and $mn = 196$, what is the value of $(m - 3)(n + 1)$?
- a) 2744 b) 1 c) 121 d) 1331
39. If $5(a + b) = 5 \times 25 \times 125$, what is $(a + b)^2$?
- a) 12 b) 16 c) 34 d) 36
40. In how many different ways can the letters of the word 'OPTICAL' be arranged so that the vowels always come together?
- a) 610 b) 720 c) 825 d) 920
41. In how many ways can 5 men draw water from 5 taps if no tap can be used more than once?
- a) None of these b) 720 c) 60 d) 120

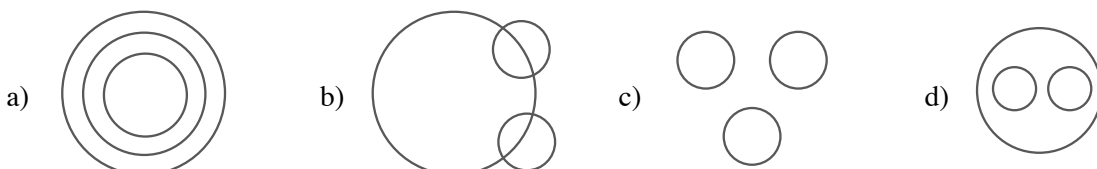
42. A and B started a partnership business investing Rs. 20,000 and Rs. 15,000 respectively C joined them with Rs. 20,000 after six months. Calculate B's share in total profit of Rs. 25,000 earned at the end of 2 years from the starting of the business?
 a) Rs. 7,500 b) Rs. 8,500 c) Rs. 9,000 d) Rs. 8,000
43. A starts business with Rs. 40,000 After 2 months, B joined him with Rs. 60,000. C joined them after some more time with Rs. 1,20,000 At the end of the year, out of a total profit of Rs. 3,75,000, C gets Rs. 1,50,000 as his share. How many month after B joined the business did C join?
 a) 4 months b) 5 months c) 6 months d) 7 months
44. Tea worth Rs. 126 per kg and Rs. 135 per kg are mixed with a third variety of tea in the ratio 1 : 1 : 2. If the mixture is worth Rs. 153 per kg, what is the price of the third variety per kg?
 a) Rs. 182.50 b) Rs. 170.50 c) Rs. 175.50 d) 180
45. In what ratio must tea worth Rs. 60 per kg be mixed with tea worth Rs. 65 a kg such that by selling the mixture at Rs. 68.20 a kg there can be a gain of 10%
 a) 3 : 2 b) 2 : 3 c) 4 : 3 d) 3 : 4
46. Some amount out of Rs. 7,000 was lent at 6% per annum and the remaining was lent at 4% per annum. If the total simple interest from both the fractions is 5 years was Rs. 1600, the sum lent at 6% per annum was
 a) Rs. 2400 b) Rs. 2200 c) Rs. 2000 d) Rs. 1800
47. The volume of cube is equal to the surface area four that cube. Then find the distance of side of the cube?
 a) 6m b) 7m c) 8m d) 9m
48. In a question on division with zero remainder, a candidate took 12 as divisor instead of 21. The quotient obtained by him was 35. The correct quotient is
 a) 26 b) 25 c) 0 d) 20
49. If $\sin 42^\circ = x$, then $\cos 48^\circ = ?$
 a) $-x$ b) $x + 1$ c) x d) \sqrt{x}
50. P is a point on x – axis at a distance of 4 units from y-axis to its right. The co-ordinates of P are
 a) (4, 0) b) (0, 4) c) (4, 4) d) (-4, 4)

SECTION – C

51. Which of the following diagrams indicates the best relation between Travellers, Train and Bus?

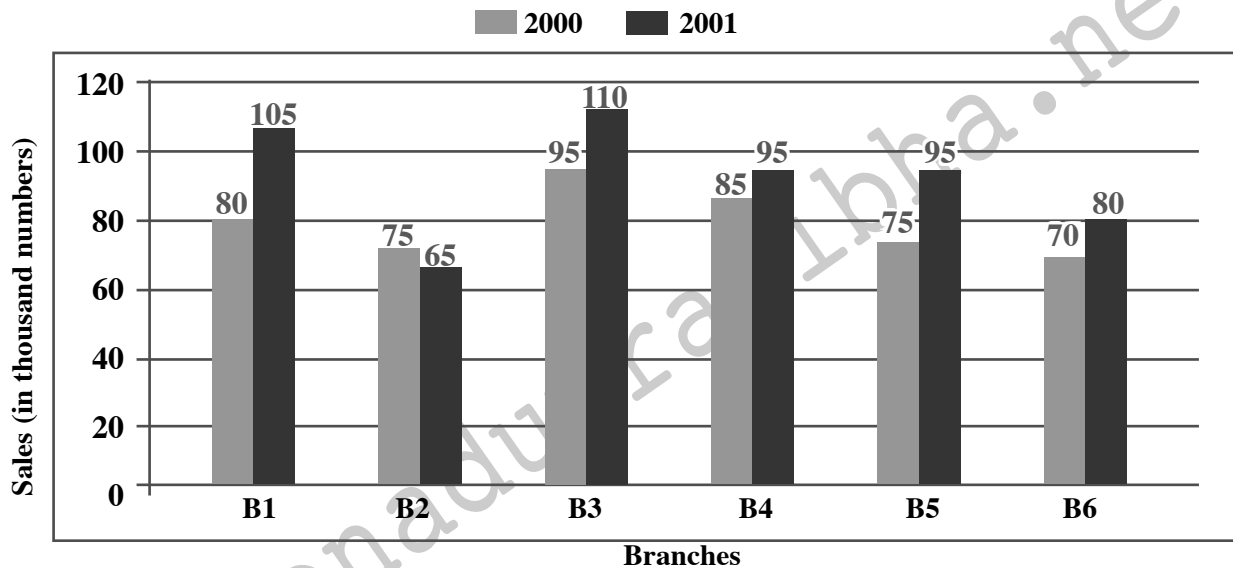


52. Which of the following indicates the best relation between Factory, Product and Machinery?



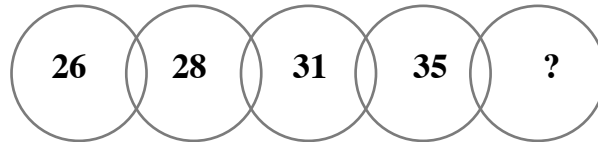
Directions (Qs. 53 to 57): The bar graph given below shows the sales of books (in thousand number) from six branches of a publishing company during to consecutive years 2000 and 2001.

Sales of books (in thousand numbers) from Six Branches - B1, B2, B3, B4, B5 and B6 of a publishing Company in 2000 and 2001



53. What is ratio of the total sales of Branch B2 for both years to the total sales of Branch B4 for both years?
 a) 2 : 3 b) 3 : 5 c) 4 : 5 d) 7 : 9
54. Total sales of branch B6 for both the years is what percent of the total sales of Branch B3 for both the years?
 a) 68.54% b) 71.11% c) 73.17% d) 75.55%
55. What percent of the average sales of branches B1, B2 and B3 in 2001 is the average sales of Branches B1, B3 and B6 in 2000?
 a) 75% b) 77.5% c) 82.5% d) 87.5%
56. What is the average sales of the all branches (in thousand numbers) for the year 2000?
 a) 73 b) 80 c) 83 d) 88
57. Total sales of branches B1, B3 and B5 together for both the years (in thousand numbers) is?
 a) 250 b) 310 c) 435 d) 560
58. Ms. Forest like to let her students choose who their partners will be; however, no pair of students may be work together more than seven class period in a row. Adam and Baxter have studied together three class period in a row. Carter and Dennis have worked together three class periods in a row. Carter does not want with Adam. Who should be assigned to work with Baxter?
 a) Carter b) Adam c) Denis d) Forest
59. At the baseball game, Henry was sitting in seat 253. Marla was sitting to the right of Henry in seat 254. In the seat to the left of Henry was George. Inez was sitting to the left of the George. Which seat is Inez sitting in?
 a) 251 b) 254 c) 255 d) 256

60. Find of the missing number?



- a) 40 b) 42 c) 38 d) 44

61. Which letter replace the question mark?

G	B	C
H	F	H
A	D	?

- a) E b) F c) G d) H

62. Introducing a boy, a girl said, "He is the son of the daughter of the father of my uncle." How is the boy related to the girl?

- a) Brother b) Nephew c) Uncle d) Son in law

63. pointing to a photograph, Bajpai said, " He is the son of the only daughter of my brother." How Bajpai is related to the man in the photograph?

- a) Nephew b) Brother c) Father d) Maternal uncle

Directions (Qs. 64 – 66): Fill in the blanks.

64. SCD, TEF, UGH....., WKL

- a) CMN b) UJI c) VIJ d) IJT

65. B₂CD....., BCD₄, B₅CD, BC₆D

- a) B₂C₂D b) BC₃D c) B₂C₃D d) BCD₇

66. QAR, RAS,, SAT, TAU,.....

- a) UAV b) UAT c) TAS d) TAT

67. A, P, R, X, S and Z are sitting a row. S and Z are in the centre. A and P are at the ends. R is sitting to the left of A. Who is to the right of P?

- a) A b) X c) S d) Z

68. A, B, C, D and E are sitting on bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A to the right of B and E. A and C a sitting together. In which position A sitting?

- a) Between B and D b) Between B and C
c) Between E and D d) Between C and E

77. India won its first Olympic hockey Gold in
a) 1928 b) 1932 c) 1936 d) 1948
78. Which UN body deals with population problem?
a) UNFPA b) UNICGF c) UNESCO d) UNDP
79. How many mountain ranges are there in Himachal Pradesh?
a) Four b) Three c) Two d) One
80. The longest river of Himachal Pradesh
a) Jhelum b) Beas c) Chenab d) Sutlej

SECTION - D

81. Which district has been declared as the Mushroom District of Himachal Pradesh?
a) Shimla b) Solan c) Bilaspur d) Una
82. The State Day of Himachal Pradesh
a) 5th April b) 15th January c) 25th January d) 15th May
83. In the 2015-16 Union Budget, fund allocated; for development of the North-Eastern Region (NER) is
a) Rs. 3,000.00 crore b) Rs. 2,362.74 crore
c) Rs. 2,100.00 crore d) Rs. 2,000.00 crore
84. "Make in India" initiative was launched on
a) 23rd September 2014 b) 24th September 2014
c) 25th September 2014 d) 26th September 2014
85. The terms 'bull' and 'bear' are used in
a) Planning Commission b) Stock Exchange
c) Sales Tax Department d) Income Tax Department
86. Non-stick cooking utensils are coated with
a) Teflon b) PVC c) Black paint d) Polystyrene
87. Which of the following is the first Indian private company to sign an agreement with Government of Myanmar for an exploration in two offshore blocks in the country?
a) Reliance Energy b) Essar oil c) GAIL d) ONGC
88. Who developed Yahoo?
a) Dennis Ritchie & Ken Thompson? b) David Filo & Jerry Yang
c) Vint Cerf & Robert Kahn d) Steve Case & Jaff Bezos
89. The percentage of irrigated land in India is about
a) 45 b) 65 c) 35 d) 25
90. Which is India's largest private sector Bank?
a) SBI b) ICICI c) HDFC d) IDBI
91. "Boond Boond Khushi Khushi", who claims the tagline?
a) Coca-Cola b) Himalya Water c) Bisleri d) ICO

92. "Never Hide" is a tagline for
a) Lux Body warmers
b) Ray Ban Sunglasses
c) Modi float clear Glass
d) Volkswagen
93. i10 is a new car from
a) Volvo
b) General Motors
c) Hyundai
d) Fiat
94. Ali Akbar plays which of the following musical instruments?
a) Violin
b) Guitar
c) Tabla
d) Sarod
95. Who wrote the famous book "We the People"?
a) T.N. Kaul
b) J.R.D. Tata
c) Khushwant Singh
d) Nani Palkhivala
96. Bijapur is known for its
a) severe drought condition
b) Gol Gumbaz
c) heavy rainfall
d) statue of Gomateswara
97. The members of Parliament can express themselves in the House in
a) English only
b) Hindi only
c) English or Hindi
d) English, Hindi or mother tongue
98. What Galileo invented?
a) Barometer
b) Pendulum clock
c) Microscope
d) Thermometer
99. The ratio of width of our Nation Flag to its length is
a) 3 : 5
b) 2 : 3
c) 3 : 4
d) 2 : 4
100. The first death anniversary day of Rajiv Gandhi was observed as the
a) National Integration Day
b) Peace and Love Day
c) Secularism Day
d) Anti-Terrorism Day

ANSWERS

1-d; 2-a; 3-d; 4-c; 5-d; 6-c; 7-a; 8-b; 9-c; 10-a; 11-b; 12-d; 13-a; 14-c; 15-d; 16-d; 17-b; 18-d; 19-d; 20-b; 21-b; 22-d; 23-d; 24-a; 25-b; 26-b; 27-b; 28-d; 29-d; 30-d; 31-a; 32-d; 33-c; 34-c; 35-c; 36-a; 37-a; 38-0; 39-d; 40-b; 41-d; 42-a; 43-a; 44-c; 45-a; 46-c; 47-a; 48-d; 49-c; 50-a; 51-d; 52-d; 53-d; 54-c; 55-d; 56-b; 57-d; 58-a; 59-a; 60-a; 61-a; 62-a; 63-d; 64-c; 65-b; 66-a; 67-b; 68-b; 69-b; 70-c; 71-c; 72-b; 73-b; 74-d; 75-b; 76-b; 77-a; 78-a; 79-b; 80-c; 81-b; 82-3; 83-b; 84-c; 85-b; 86-a; 87-b; 88-b; 89-c; 90-c; 91-a; 92-b; 93-c; 94-d; 95-d; 96-b; 97-d; 98-d; 99-b; 100-d.