

# 70 Important Questions for ESIC SSO Prelims 2018 

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1. Direction: In the following question, some statements are followed by some conclusions. Assuming the given statements to be true, find which of the following conclusions follow the given statements and choose appropriate answer choice.

## Statements:

Some fingers are legs.
All legs are heads.
Many heads are hands.
No head is hair.

## Conclusions:

I. Some fingers are heads.
II. Some hands are not hairs.
III. All legs being hands is a possibility.
IV. No leg is hair.
A. Only II and III follow
B. Only III and IV follow
C. Only I, II and III follow
D. Only I, III and IV follow
E. All follow
2. Direction: In the following question, some statements are followed by some conclusions. Assuming the given statements to be true, find which of the following conclusions follow the given statements and choose appropriate answer choice.

## Statements:

All mobiles are computers.
Some computers are bikes.
All bikes are TV.
No TV is a speaker.

## Conclusions:

I. Some speakers are computers.
II. Some TV are computers.
III. No speaker is a computer.
IV. Some bikes are mobiles.
A. None follows
B. Only II follow
C. Only either I or III follows
D. Only either I or III and II follow
E. Only either I or III and II and IV follow
3. Direction: In the following question, some statements are followed by some conclusions. Assuming the given statements to be true, find which of the following conclusions follow the given statements and choose appropriate answer choice.

## Statements:

All classrooms are teachers.
Some teachers are schools.
Some schools are bags.
No school is a book.
Conclusions:
I. No bag is a classroom.
II. Some schools are classrooms.
III. Some books are classrooms.
IV. Some bags are teachers.
A. Only IV follows
B. Only III and IV follow
C. Only I follows
D. Only II and IV follow
E. None follow
4. Direction: In the following question, some statements are followed by some conclusions. Assuming the given statements to be true, find which of the following conclusions follow the given statements and choose appropriate answer choice.
Statements: All cats are tiger.
Some dogs are Lion.
Some cats are lion.
Some dogs are hippo.
Conclusion: I. Some tigers are hippo
II. Some lions are tiger
III. No Lion is hippo
IV. All dogs are tiger
A. Only I Follows
B. Only II follows
C. Only IV follows
D. Only I \& IV follows
E. None of these
5. Direction: In the following question, some statements are followed by some conclusions. Assuming the given statements to be true, find which of the following conclusions follow the given statements and choose appropriate answer choice.


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## Statements:

Some legs are hands.
Some hands are fingers.
All shoes are legs.
All heads are fingers.

## Conclusions:

I. Some legs are fingers.
II. Some hands are heads.
III. Some hands are shoes.
IV. No finger is leg.
A. Only conclusion I
B. Only conclusion II
C. Only conclusion III
D. Only conclusion IV
E. If either Conclusion I or conclusion IV

Direction (6-10): The following question are based on the five threedigit numbers given below.

$$
832,965,748,259,614
$$

6. Which of the following is the third digit of the second lowest number?
A. 2
B. 5
C. 8
D. 9
E. 4
7. Which of the following is the sum of the first and the second digits of the highest number?
A. 11
B. 15
C. 10
D. 7
E. None of these
8. If the positions of the second and the third digits of each of the numbers are interchanged, which of the following will be the last digit of the lowest number?
A. 5
B. 1
C. 6
D. 4
E. 3
9. If the positions of the first and the second digits of each of the numbers are interchanged, which of the following will be the second digit of the second highest number?
A. 8
B. 6
C. 7
D. 5
E. None of these
10. Which of the following is the difference between the first and the third digits of the third highest number?
A. 6
B. 4
C. 1
D. 7
E. None of these
11. In a row of children facing North, Shweta is fifteenth from the left and Jyoti is third to the left of Shweta. Ram who is seventh to the right of Jyoti, is fifth from the right end of the row. What is Shweta's position from the right end?
A. $12^{\text {th }}$
B. 10th
C. $8^{\text {th }}$
D. 9th
E. None of these
12. Among $M, R, P$ and $Q$, each having $a$ different height, $P$ is taller only than $R$. Q is shorter than M . Who amongst them is the tallest?
A. R
B. M
C. Q
D. Cannot be determined?
E. None of these

Direction (13-14): Study the information given below and answer the questions based on it.
Lokesh is the brother of Karim, but Karim is not the brother of Lokesh. Mohan is father of Tinku. Punit is son of Mohan. Lokesh is grandson of Mohan. Tinku, who doesn't have offspring, is married to Surekha, who is sister of Harish. Total number of males in the family is one greater than total number of females.
13. How is Karim related to Mohan?
A. Grandson
B. Granddaughter
C. Grandfather
D. Grandmother
E. Can't be determined
14. Four of the following are alike in a certain way and so form a group. Which of the following is different from the group?
A. Punit
B. Lokesh
C. Mohan
D. Harish
E. Tinku

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## ATTEMPT NOW

15. Virat walked 10 meters towards south, took a left turn and walked 10 meters, again he took a left turn and walked 10 meters. How far is he from the starting point?
A. 20
B. 10
C. 15
D. 25
E. None of these
16. Direction: In the following question assuming the given statements to be true, find which of the two conclusions I and II given below them is/ are definitely true.
Statement: $A \geq Q, B \leq T, A=B$
Conclusions:
I. $B=Q$
II. $\mathrm{B}>\mathrm{Q}$
A. If only conclusion I is true.
B. If only conclusion II Is true.
C. If either conclusion I or II is true.
D. Neither conclusion I nor II is true.
E. Both conclusion I and II are true.
17. Direction: In the following question assuming the given statements to be true, find which of the two conclusions I and II given below them is/ are definitely true.
Statement: $\mathrm{Z} \leq \mathrm{A}, \mathrm{A}>\mathrm{R}, \mathrm{A}=\mathrm{W}$ Conclusions:
I. $\mathrm{R}<\mathrm{Z}$
II. $\mathrm{Z}<\mathrm{W}$
A. If only conclusion I is true.
B. If only conclusion II Is true.
C. If either conclusion I or II is true.
D. Neither conclusion I nor II is true.
E. Both conclusion I and II are true.
18. Direction: In the following question assuming the given statements to be true, find which of the two conclusions I and II given below them is/ are definitely true.
Statement: A $=\mathrm{Y} \leq \mathrm{C}>\mathrm{W}$
Conclusions:
I. $C=A$
II. $\mathrm{C}>\mathrm{A}$
A. If only conclusion I is true.
B. If only conclusion II Is true.
C. If either conclusion I or II is true.
D. Neither conclusion I nor II is true.
E. Both conclusion I and II are true.
19. Direction: In the following question assuming the given statements to be true, find which of the two conclusions I and II given below them is/ are definitely true.
Statement: $K<M, Y=X<Z, K<Y$ Conclusions:
I. $Y>M$
II. $\mathrm{M}>\mathrm{Z}$
A. If only conclusion I is true.
B. If only conclusion II Is true.
C. If either conclusion I or II is true.
D. Neither conclusion I nor II is true.
E. Both conclusion I and II are true.
20. Which of the following expressions will be true if the expression ' $\mathrm{Z}<\mathrm{Y} \geq \mathrm{W}=\mathrm{V}^{\prime}$ is definitely true?
A. $V>Y$
B. $Z<W$
C. $V \geq Z$
D. $W \leq Z$
E. None is true

Direction (21-25): Study the following information carefully and answer the questions given below:
Six friends - Hetal, Jayshree, Rohini, Meena, Nidhi and Swati, stay in different areas of a city ie Dadar, Matunga, Mulund, Vikhroli, Thane and Kanjurmarg but not necessarily in the same order. All six have different hobbies which are singing, dancing, drawing, travelling, cooking and reading but not necessarily in the same order.
Hetal stays in Vikhroli and her hobby is neither dancing nor reading. The one whose hobby is travelling stays in Mulund. Jayshree's hobby is drawing and she does not stay in either Dadar or Matunga. Meena stays in Kaojurmarg and her hobby is cooking. Rohini likes reading but she and Nidhi do not stay in Matunga.
21. What is Swati's hobby?
A. Singing
B. Dancing
C. Reading
D. Travelling
E. None of these
22. Whose hobby is singing?
A. Nidhi
B. Rohini
C. Swati
D. Hetal
E. None of these
23. Whose hobby is travelling?
A. Hetal
B. Swati
C. Nidhi
D. Rohini
E. None of these
24. Where does Jayshree stay?
A. Thane
B. Vikhroli
C. Kanjurmarg
D. Mulund
E. None of these
25. Where does Rohini stay?
A. Matunga
B. Mulund
C. Thane
D. Dadar
E. None of these
26. Direction: In the following questions, two equations numbered $I$ and $I I$ are given. You must solve both questions and give answer among the following options.
I. $p^{2}-19 p+70=0$
II. $2 q^{2}-17 q+35=0$
A. if $p>q$
B. if $p \geq q$
C. if $p<q$
D. if $p \leq q$
$E$. If $p=q$ or the relationship cannot be established
27. Direction: In each of these questions, two equations (I) and (II) are given. Solve both the equations and give answer
I. $2 x^{2}-21 x+49=0$
II. $y^{5}=16807$
A. $x>y$
B. $x<y$
C. $x \geq y$
D. $x \leq y$
E. $x=y$ or no relation can be established between ' $x$ ' and ' $y$ '.
28. If I. $5 p^{2}-16 p+11=0$
II. $5 q^{2}-3 q=2$
A. if $p>q$
B. if $p \geq q$
C. if $p<q$
D. if $p \leq q$
E. If $p=q$ or the relationship cannot be established
29. Direction: In the following question, there are two equations. Solve the equations and answer accordingly:
$(625)^{1 / 4} x+\sqrt{ } 1225=125$
$\sqrt{ } 196 y+13=279$
A. $x>y$
B. $x<y$
C. $x \geq y$
D. $x \leq y$
E. $x=y$ OR No relation can be established (CND)
30. I. $8 p^{2}-15 p+7=0$
II. $2 q^{2}-7 q+6=0$
A. if $p>q$
B. if $p \geq q$
C. if $p<q$
D. if $p \leq q$
$E$. If $p=q$ or the relationship cannot be established
31. Direction: Find the wrong number in the following series
2, 4, 11, 35, 153, 771
A. 35
B. 153
C. 771
D. 11
E. 4
32. Direction: Find the wrong number in the following series 256, 250, 244, 228, 196, 132
A. 254
B. 244
C. 250
D. 228
E. 196
33. Sum of two numbers is equal to sum of squares of 12 and 16 . Larger number is 63 less than cube of 7 . What is the value of the sum of twice the smaller number and half of the larger number?
A. 360
B. 400
C. 380
D. 425
E. None of these
34. What will be the compound interest accrued on a sum of $₹ 6,500$ at the rate of $4 \%$ p.a. in 2 years?
A. ₹ 520.40
B. ₹ $7,037.20$
C. ₹ 533.40
D. ₹ $7,030.40$
E. None of these

Direction (35-39): The following graph shows call drops in last 6 months for 3 companies - Airtel, Jio, and Vodafone - in Bastar district of Chhattisgarh. Study the line graphs carefully and answer the questions that follow

35. Which month saw the $2^{\text {nd }}$ highest number of call drops from all 3 service providers combined, and by how much percentage was it lower than the highest number of call drops in a month?
A. August, 0.2\%
B. September, 0.2\%
C. August, 0.8\%
D. September, 0.8\%
E. November, 0.8\%
36. Calls through to Calls dropped ratio for the 3 service providers was same i.e. 36:1 for the month of September. How many calls were made in the month of September, if there are only 2 states of a call - Call through and Call drop?
A. 167245
B. 162245
C. 165245
D. 166245
E. 163245
37. Which service provider, and in which month, saw the greatest percentage decline in the number of call drops?
A. Airtel in August
B. Airtel in November
C. Vodafone in October
D. Airtel in September
E. Jio in November
38. In the next month i.e. January, the number of call-drops for Jio was 5\% less than the average of previous 6 months.

What was the approximate number of call drops for Jio in January?
A. 1500
B. 1425
C. 1475
D. 1450
E. 1400
39. The probability of a call being 1 minute long before being dropped was 0.35 for Airtel, 0.6 for Jio, and 0.8 for Vodafone. What is a good estimate of number of calls, longer than 1 minute duration, that were dropped in previous 6 months in Bastar, CG?
A. 12345
B. 15432
C. 13245
D. 14632
E. 14983
40. The ratio of milk to water is $5: 4$. If two litres of water is added, the ratio becomes 10:9, then find the new amount of water in the mixture.
A. 12 litres
B. 14 litres
C. 16 litres
D. 17 litres
E. 18 litres
41. Direction: In the following number series, a wrong number is given. Find out that wrong number. $11,22,35,52,75,106,143$
A. 35
B. 52
C. 75
D. 106
E. 143
42. The area of a square is 1444 sq m . The breadth of a rectangle is $1 / 4$ th the side of the square and the length of the rectangle is thrice the breadth. What is the difference between the area of the square and the area of the rectangle?
A. 1152.38 sq m
B. 1169.33 sq m
C. 1181.21 sq m
D. 1173.25 sq m
E. None of these
43. Ramchand divided his share between his sons Ram and Shyam. The money was divided in such a way that the ratio of the simple interest received by Ram at $15 \%$ p.a. for 3 years to that of the simple interest received by Shyam at $12 \%$ p.a. for 5 years is $2: 1$. In what ratio was his share divided?
A. $3: 7$
B. $8: 3$
C. Insufficient data
D. $2: 5$
E. None of these
44. Direction: What approximate value will come in place of question mark (?) in the following question (You do not have to calculate the exact value).
$?=\left(1.99 \times 4.99^{3}-\sqrt{624.998} \times 2.03^{2}\right)$
A. 200
B. 100
C. 50
D. 150
E. 250
45. Direction: What will come in the place of question mark (?) in the following question? (You do not have to calculate the exact value).
$(16.9952)^{2} \times 15+275.0125=x+4124.99$ 82
A. 485
B. 568
C. 1248
D. 756
E. 682
46. Direction: What should come in place of question mark (?) in the following question? (You do not have to calculate the exact value.)
$125.0046 \div 24.9982+14.9985=?+13.99$
85
A. 15
B. 145
C. 241
D. 27
E. 6
47. Direction: What should come in place of question mark (?) in the following question? (You do not have to calculate the exact value.)
$(\sqrt{ } 80.997-\sqrt{ } 25.001) \times(\sqrt{ } 120.98+$ $\sqrt{ } 16.02)=$ ?
A. 20
B. 30
C. 40
D. 50
E. 60
48. Direction: What should come in place of question mark (?) in the following question? (You do not have to calculate the exact value.)
$(111.93 \times 5) \div 14.02=11.002+$ ?
A. 11
B. 10
C. 29
D. 34
E. 40


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## ATTEMPT NOW

particular, when a culture has become stagnant and is in decline, pressure from barbarians can stimulate innovation and bring new energy, or can hasten the demise of a society that is seriously corrupt.
Barbarian culture should not be confused with that of the nomad. Nomadic societies subsist on what they can hunt and gather, or on the products of their livestock. They follow food supplies for themselves and/or their animals. The nomad may barter for necessities, like metalwork, but does not depend on civilization for plunder, as the barbarian does.
The barbarian image serves to demean the members of the other group, creating a morally justified reason for separation from that group. Out-group barbarians are usually depicted as extremely strong but irrational, evil without moral judgment, destructive and violent, whose leaders rely more on emotion than intelligence. This is contrasted with in-group members, who are gentle, moral, and of superior intelligence. Thus, in- and outgroup members cannot/should not be mixed together. In this way the intragroup balance is established.
Credits: New World Encyclopedia.
51. Which of the sentences is closest in meaning to the word 'Barbarian?'
A. A group of people who kill people and pillage lands.
B. A group of people who rely on physical strength rather than intellect.
C. A band or tribe of warriors who loot people.
D. A group who travels to different bars and creates chaos.
E . Barbarians is another word used to describe pirates.
52. How can Barbarian societies be useful?
A. Barbarians help to provide data for scientists to analyze later, due to their relation to nature.
B. Barbarians keep the population in check since they kill many people.
C. Barbarians helped to destroy corrupt societies and stimulate the progress of advancements.
D. They help civilized societies get back to their grass roots and become one with nature.
E. They look after the environment and animals.
53. What is the difference between barbarian societies and nomadic societies?
A. Nomadic societies hunt and gather for their own food while barbarians plunder other societies.
$B$. There is no difference between barbarians and nomads. Both are travelers.
C. Barbarians have proper homes and settlements while nomads do not have a proper resting place.
D. Barbarians do not shy away from conflict while nomads are peace lovers.
E. Barbarians are responsible citizens though they are uncivilized. Nomads do not have any concept of morality.
54. What stops out-group members and barbarians from becoming one society?
A. Barbarians do not gel with other people and therefore they do not socialize with other groups.
B. Out-group members are selfish and do not like to share resources with barbarians.
C. The out-group members are civilized and upstanding situations and therefore they do not like to associate themselves with uncivilized people.
D. Barbarians destroy the societies of out-group members and therefore there can be no cordial relations between them.
E. Barbarians see themselves as superior and demean the out-group members.


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55. What is the main characteristic(s) of Barbarians that separate them from other societies?
A. A group of people that like being autonomous and do not like to be a part of bigger societies.
B. Those people who do no rely on intelligence but only rely on their emotions and strength.
C. A group of people who relies on violence to obtain their means and plunders other societies for resources.
D. An uncivilized society that gathers food, berries and other resources that are necessary for survival in the wild.
E. A nomadic group of people that cannot survive on their own unless they have others resources to rely on.
56. What is the main difference between the original and modern definition of Barbarians?
A. Earlier, the barbarians were uncivilized members of society who pillaged lands. Now they are civilized members of society.
B. The barbarians only used to work for their own good. Now they contribute to science and help in development of society as well as destroy corrupt societies.
C. Barbarians were earlier seen as travelers and wanderers. Now they are situation in one location but they still hunt and gather food.
D. Originally, barbarians were those who relied on strength rather than intellect. Now they are those who are perpetrators of violence.
E . The earlier definition of barbarians are those who commit acts of violence. Now they are seen as the people who are more civilized and morally upright.
57. Choose the word which is most similar in meaning to the word printed in bold as used in the passage.

## Connotation

A. Association
B. Denotation
C. Disassociation
D. Separation
E. Differentiation
58. Choose the word which is most opposite in meaning to the word printed in bold as used in the passage.
Demean
A. Degrading
B. Destroying
C. Shame
D. Insult
E. Exalt
59. Direction: Read the sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.
Total Quality Management is a concept that (A)/ fosters continuous improvement in (B)/ all expects of an organisation, including (C)/ human resources and equipment. (D)/ No Error. (E)
A. A
B. B
C. C
D. D
E. E
60. Direction: Read the sentence to find out whether there is an error in it. The error, if any, will be in one part of the sentence. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.
But in the present era of ubiquitous technology, (A)/ philosophers are beginning to (B)/ ask whether biological anatomy (C)/ really captures the entirety of whom we are (D)/ No Error. (E)
A. A
B. B
C. C
D. D
E. E
61. Direction: Read the sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.


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The incessant news about (A)/ the demise of the fable (B)/ actress Sri Devi has taken over (C)/ the sufferings of the tiny-tots in Syria. (D) No Error. (E)
A. A
B. B
C. C
D. D
E. E
62. Direction: Read the sentence to find out whether there is any error in it. The error, if any, will be in one part of the sentence. If the given sentence is correct as it is, mark the answer as 'No error'. Ignore the errors of punctuation, if any.
Until farther orders (A)/ Mr. K.S. Dave will act (B)/ as Headmaster of (C)/ Naira High School. (D)/ No Error(E)
A. A
B. B
C. C
D. D
E. E
63. Direction: Two statements with blanks have been given. These statements are followed by five alternatives. Choose the one which fits into the set of statements.
A) Even King Luther was not far enough gone in folly to $\qquad$ her in this.
B) Kill the Swedish man aims to come out bumping chests in upstart insouciance, hoping to ___ Leone's famous bravado
A. Abet
B. Abject
C. Retaliate
D. Rancor
E. Ruckus
64. Direction: Two statements with blanks have been given. These statements are followed by five alternatives. Choose the one which fits into the set of statements.
A) They wore $\qquad$ helmets with purple crests, and rough-haired black cloaks, in which they slept on the bare ground.
B) Although Jenny knew she had not finished her assignment, she made a
$\qquad$ attempt to fool her supervisor with a partially finished project.
A. Golden
B. Courageous
C. Smart
D. Beautiful
E. Brazen
65. Direction: Two statements with blanks have been given. These statements are followed by five alternatives. Choose the one which fits into the set of statements.
A) The ruling party is not so $\qquad$ about the outcome but still await the election results.
B) Kids today are very different from the older generation as they are so much more $\qquad$ than their counterparts.
A. Worried
B. Concerned
C. Enthusiastic
D. Bothered
E. Optimistic
66. Direction: Two statements with blanks have been given. These statements are followed by five alternatives. Choose the one which fits into the set of statements.
A) The party chairperson sought to
$\qquad$ an assurance from the allies that they wouldn't oppose the bill.
B) I read the tiring and voluminous book to $\qquad$ some information which might help me on my research topic.
A. Gain
B. Confirm
C. Extract
D. Settle
E. Reserve
67. Direction: Two statements with blanks have been given. These statements are followed by five alternatives. Choose the one which fits into the set of statements.
A) Reserve Bank hoped that a cut in its benchmark rate will a reduction in inflation and improve confidence in the economy.
B) Politicians have promised to ___ the goal of eradicating extreme poverty many times but have failed because they cannot agree about what exactly counts as poverty and how exactly to measure it.
A. End
B. Achieve
C. Finish
D. Get
E. Undertake
68. Direction: In the given question, a part of the sentence is printed in bold. Below the sentence alternatives to the bold part are given at (A), (B), (C) and (D) which may help improve the sentence. Choose the correct alternative. In case the given sentence is correct, your answer is (E) i.e. No correction required. Her documentary on capitalism and its far-reaching really hits the nails on the head.
A. far-reaching effects really hit the nail upon their head.
B. far-reaching effects really hit the nail on the head.
C. far outreach effects really hit the nail on the head.
D. far-reaching effect really will hit the nail on the head.
E. No correction required.
69. Direction: Which of the phrases (A), (B), (C) and (D) given below each sentence should replace the word/phrase printed in bold in the sentence to make it grammatically correct? If the sentence is correct as it is given and no correction is required, mark (E) i.e no correction required as the answer.

Education, if looked beyond its conventional boundaries, formed the very essence of all our actions.
A. Forming the very essence
B. Forms the very essence
C. Formed of the very essence
D. Form the very essence
E. No correction required
70. Direction: In the given question, a part of the sentence is printed in bold. Below the sentence alternatives to the bold part are given at (A), (B), (C) and (D) which may help improve the sentence. Choose the correct alternative. In case the given sentence is correct, your answer is ( $E$ ) i.e. No correction required. My mother always warned me to stay away from people who didn't tell the truth and who is tiptoeing around important issues.
A. and who tiptoed around important issues
B. and who is to be tiptoeing around important issues
C. and who was tiptoeing around important issues
D. and who did tiptoed around important issues
E. No correction required

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