



CBRT - 2020 Question Paper Grid

Government of Goa

22 November 2020

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Junior Scale Officer(Prescreening Test)

Passage:

Answer the following questions based on the passage.

Stereotyping is a type of generalization which attributes traits or characteristics to everyone in a large group. People who stereotype tend to have fixed and unbending opinions. They respond to challenges by distorting reality, rather than consider their assumptions and conclusions, which they have labelled as the truth. What happens is that the facts are compared to the stereotype and then rejected, because they do not fit the stereotype. Stereotyping is often caused by ethno-centrism. The ramifications of stereotyping are that it:

- Forces us to choose ideas
- Causes destructive competition
- Alienates us from others
- Leads to narrow thinking

We end up denying dignity to others, whom we stereotype, and generate unhappiness all around us.

Itemcode : PT1351

Q1 : Those who tend to stereotype are not likely to

- (a) have rigid views about others
- (b) revisit their assumptions about others
- (c) believe their opinions as the truth
- (d) distort reality rather than face truth

Itemcode : PT1352

Q2 : Identify the phrase from the following options, which means 'alienates'

- (a) encourages estrangement
- (b) generates friendliness
- (c) connects to others
- (d) turns towards strangers

Itemcode : PT1353

Q3 : Select the synonym for 'ramification' from the options provided below

- (a) cause
- (b) aftermath
- (c) juncture
- (d) source

Itemcode : PT1354

Q4 : Read the following statements carefully and state whether they are true or false:

- (i) The ground reality does not match the assumptions behind the stereotype.
- (ii) The stereotype is thus rejected because it does not fit the perception.

- (a) Both the statements (i) and (ii) are false
- (b) Statement (i) is false but statement (ii) is true
- (c) Statement (i) is true but statement (ii) is false
- (d) Both the statements (i) and (ii) are true.

Itemcode : PT1355

Q5 : Stereotyping is undesirable because it tends to

- (a) deny dignity to others
- (b) have several negative ramifications
- (c) generate ethno-centric hostility
- (d) all these

Passage:

Answer the following questions based on the passage:

Most malnutrition is invisible. Consistent undernutrition, together with bouts of infection and diarrhoea, can retard growth so gradually as to go unnoticed by the mother. Unless a child is seriously underweight or shows obvious signs of malnutrition (listlessness, discoloured hair, irritability, frequent crying, distended stomach) his condition of undernutrition may not be visible to the mother. For timely prevention of malnutrition, the UNICEF has been using the simple inexpensive method of growth monitoring charts which helps mothers whether or not their children are growing and gaining weight correctly and thus can be an effective aid to sound child health and nutrition. The first requirement for children and adults who are

undernourished and living at subsistence level is adequate quantity of food. The next is nutritious food, containing all the elements necessary to support life and maintain good health.

Itemcode : PT1356

Q6 : Select from the options given below, the original full form of UNICEF as

- (a) United Nations International Cultural Economic Forum
- (b) United National Cultural Economic Federation
- (c) United Nations International Children's Emergency Fund
- (d) United Nations Intellectual Cultural Economic Foundation

Itemcode : PT1357

Q7 : As per the passage, when early signs of malnutrition go unnoticed, the immediate fallout is that this

- (a) hinders the prevention of malnutrition
- (b) conceals the condition of undernutrition
- (c) leads to the onset of infection and diarrhoea
- (d) leads to undernutrition in the long run

Itemcode : PT1358

Q8 : The symptoms of listlessness, discoloured hair, irritability, frequent crying, distended stomach with underweight in a child indicate that she/he is suffering from

- (a) undernutrition
- (b) underweight
- (c) diarrhoea
- (d) malnourishment

Itemcode : PT1359

Q9 : From the options provided below, identify the word or phrase from the passage that means to delay or slow down the development of something.

- (a) distended
- (b) listlessness
- (c) malnutrition
- (d) retard

Itemcode : PT1360

Q10 Select the suitable option that explains the term 'subsistence'.

:

- (a) a particular kind of matter having uniform properties
- (b) minimal resources required to survive
- (c) to continue to live or exist
- (d) food or drink regarded as nourishment

Itemcode : PT1301

Q11 Horse : Jockey : : Car : ?

:

- (a) Mechanic
- (b) Chauffeur
- (c) Steering
- (d) Brake

Itemcode : PT1302

Q12 Chiku : Fruit : Supermarket : : Novel : ? : ?

:

- (a) Book : Stationery
- (b) Book : Bookstore
- (c) Book : Shop
- (d) Shop : Market

Itemcode : PT1303

Q13 If in a certain language, PERFECT is coded as SHUIHFW, how is MUMBAI coded in that code?

:

- (a) XPEDL
- (b) XPDEK
- (c) CPOCBZ
- (d) CQOCBZ

Itemcode : PT1304

Q14 In a certain language, MADRAS is coded as NBESBT, how is BOMBAY coded in that code ?

:

- (a) CPNCBZ
- (b) CPNCBX
- (c) DPNCBZ
- (d) DPNCBX

Itemcode : PT1305

Q15 Which word is the odd man out?

:

- (a) hate
- (b) fondness
- (c) liking
- (d) attachment

Itemcode : **PT1306**

Q16 Find the odd one out: 396, 462, 572, 427, 671, 264

:

- (a) 396
- (b) 427
- (c) 671
- (d) 264

Itemcode : **PT1307**

Q17 Find what is the next letter? O,T,T,F,F,S,S,E,N,___

:

- (a) B
- (b) S
- (c) Q
- (d) T

Itemcode : **PT1308**

Q18 Look at this series: 8, 9, 13, 31, 127,___ What should come next?

:

- (a) 721
- (b) 727
- (c) 731
- (d) 737

Itemcode : **PT1309**

Q19 In the following number series one particular number is wrong. Find the wrong number in the series.

:

5, 2.5, 3.75, 9.265, 32.812

- (a) 9.265
- (b) 2.5
- (c) 5
- (d) 32.812

Itemcode : **PT1310**

Q20 In this series: 14, 28, 20, 40, 32, 64, What number should come next?

:

- (a) 52
- (b) 56
- (c) 96
- (d) 128

Itemcode : **PT1311**

Q21 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) 38 min. past 12
- (c) 28 min. past 12
- (d) 25 min. past 12

Itemcode : **PT1312**

Q22 If $x=y=2z$ and $xyz=256$ then what is the value of x ?

:

- (a) 8
- (b) 3
- (c) 5
- (d) 6

Itemcode : **PT1313**

Q23 $A / B = C$; $C > D$ then

:

- (a) A is always greater than D
- (b) C is always greater than D
- (c) B is always less than D
- (d) none

Itemcode : **PT1314**

Q24 To 15 lts of water containing 20% alcohol, we add 5 lts of pure water. What is % alcohol.

:

- (a) 20%
- (b) 34%
- (c) 15%
- (d) 14%

Itemcode : **PT1315**

Q25 One ship goes along the stream direction 28 km and in opposite direction 13 km in 5 hrs for each direction. What is the velocity of stream?

- (a) 1.5 kmph
- (b) 2.5 kmph
- (c) 1.8 kmph
- (d) 2 kmph

Itemcode : **PT1316**

Q26 A pineapple costs Rs. 7 each. A watermelon costs Rs. 5 each. X spends Rs. 38 on these fruits. The number of pineapples purchased is

- (a) 2
- (b) 3
- (c) 4
- (d) Data inadequate

Itemcode : **PT1317**

Q27 In a class of 60 students, the number of boys and girls participating in the annual sports is in the ratio 3 : 2 respectively. The number of girls not participating in the sports is 5 more than the number of boys not participating in the sports. If the number of boys participating in the sports is 15, then how many girls are there in the class ?

- (a) 20
- (b) 25
- (c) 30
- (d) Data inadequate

Itemcode : **PT1318**

Q28 Arnab can finish a government contract job alone in 12 days. The contract has to be completed in 9 days or less. He incurs a hefty fine for failing to meet the target. Luckily, he can hire among Leena or Meena or Jiva. Leena can finish the task alone in 16 days and charges a fixed fee of Rs 10,000. Meena charges a fixed fee of Rs 8,000 but takes 36 days to finish the job on her own. Jiva charges a fixed fee of Rs 12,000 and can finish the job alone in 12 days. Whom should Arnab hire to complete the task on time and in the most cost-effective manner?

- (a) Meena.
- (b) Leena.
- (c) Jiva.
- (d) All the three will be needed to be hired simultaneously.

Itemcode : **PT1319**

Q29 From a group of 7 women-men and 6 men-women, five persons are to be selected to form a committee so that at least 3 women-men are there on the committee. In how many ways can it be done?

- (a) 736
- (b) 756
- (c) 556
- (d) 656

Itemcode : **PT1320**

Q30 Read the information carefully and answer the following questions.

- If A + B means A is the father of B.
- If A x B means A is the sister of B.
- If A \$ B means A is the wife of B.
- If A % B means A is the mother of B.
- If A $\frac{\div}{\div}$ B means A is the son of B

. Which among the given expressions indicate that M is the daughter of D?

- (a) L % R \$ D + T x M
- (b) L + R \$ D + M x T
- (c) L % R % D + T $\frac{\div}{\div}$ M
- (d) L \$ D $\frac{\div}{\div}$ R % M $\frac{\div}{\div}$ T

Itemcode : **PT1321**

Q31 What is indirectly stated in this argument:

: "If the proponent of the death penalty is incorrect in his belief that the [death] penalty deters homicide, then he is responsible for the execution of murderers who should not be executed."

- (a) The death penalty is incorrect because it deters homicide.
- (b) The person who execute is responsible of murdering.
- (c) No one should promote execution because it supports death penalty indirectly.
- (d) No one should be executed to advance an objective that is not promoted by execution.

Itemcode : **PT1322**

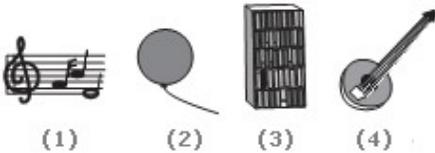
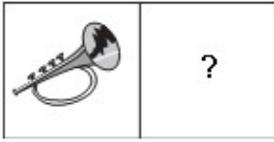
Q32 Mathematics allows us to expand our consciousness. Mathematics tells us about economic trends, patterns of disease,

: and the growth of populations. Math is good at exposing the truth, but it can also perpetuate misunderstandings and untruths. Figures have the power to mislead people. This paragraph best supports the statement that

- (a) the study of mathematics is dangerous.
 (b) words are more truthful than figures.
 (c) the study of mathematics is more important than other disciplines.
 (d) figures are sometimes used to deceive people.

Itemcode : **PT1323**

Q33 Choose the picture that would go in the empty box so that the two bottom pictures are related in the same way as the top two are related.



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

Itemcode : **PT1324**

Q34 The 'A' state government has chalked out a plan for the underdeveloped 'B' district where 66% of the funds will be placed in the hands of a committee of local representatives.
 Courses of action:

- I. The 'A' state government should decide guidelines and norms for the functioning of the committee.
 II. Other state government may follow similar plan if directed by the Central government.

- (a) If only I follows
 (b) If only II follows
 (c) If either I or II follows
 (d) If neither I nor II follows

Itemcode : **PT1325**

Q35 Statements: A@ L, L # N, N& B, B * Q

- Conclusions:
 I. Q \$ N
 II. B @ L
 III. A @ Q
 IV. L @ Q

- (a) I, II and III are true
 (b) I, II are true
 (c) I, III are true
 (d) I, III and IV are true

Itemcode : **PT1326**

Q36 Statements:

- a. Only a few friends are enemies.
 b. No enemy is a foe.
 c. Some foes are friends.

- Conclusions:
 I. All enemies being friends is a possibility.
 II. All foes being friends is a possibility.

- (a) Only II follows
 (b) Both I and II follows
 (c) Neither I nor II follows
 (d) Only I follows

Itemcode : **PT1327**

Q37 The question given below has two statements and two conclusions. Assuming the statements to be true, check which conclusions logically follow and mark the appropriate choice.

- Statement 1: No dogs are cats.
 Statement 2: All cats are animals.
 Conclusion 1: No dogs are animals.
 Conclusion 2: Some dogs are animals

- (a) Only Conclusion 1 follows
 (b) Only Conclusion 2 follows

- (c) Both Conclusion 1 and Conclusion 2 follows
 (d) Neither Conclusions follow

Itemcode : PT1328

Q38 We cannot repair a (purported) argument if any of the following hold:
 : i. The obvious premise to add would make the argument weak.
 ii. Any obvious premise to make the argument strong or valid is implausible.
 iii. The conclusion is clearly false.
 iv. The argument is so lacking in coherence that there's nothing obvious to add.

- (a) Only i and ii are correct.
 (b) Only i, ii, iv are correct.
 (c) Only ii and iii are correct.
 (d) All of the above.

Itemcode : PT1329

Q39 If the given argument is invalid, what is the truth value of the statement (b)?
 : (a) If Sina is elected as class leader, then either Mina is elected as vice-president or Jina is elected as treasurer. (b) Mina is elected as vice-president. Therefore, (c) if Sina is elected as class-leader, then Jina is not elected treasure.

- (a) True
 (b) False
 (c) The given information is incomplete
 (d) Cannot be determined

Itemcode : PT1330

Q40 Statements: Ravan is always successful.
 : No fool is always successful.

Conclusions:

- I. Ravan is a fool.
 II. Ravan is not a fool.

- (a) Only conclusion II follows
 (b) Only conclusion I follows
 (c) Either I or II follows
 (d) Neither I nor II follows

Itemcode : PT1331

Q41 Statement: The IMD has forecast that a severe cyclonic storm would hit coastal Andhra Pradesh and Orissa in the next forty-eight hours.

Courses of Action:

- I. The local administration should advise the fishermen not to go to dangerous area in the sea.
 II. The local administration should alert the people of coastal areas of these two states and they should be prepared to shift to safer places.

- (a) Only I follow
 (b) Only II follows
 (c) Either I or II follows
 (d) Both I and II follow

Itemcode : PT1332

Q42 It is true that it is against international law to sell plutonium to countries that do not yet have nuclear weapons. But if United States companies do not do so, companies in other countries will.

Which of the following is most like the argument above in its logical structure?

- (a) It is true that it is against the police department's policy to negotiate with kidnappers. But if the police want to prevent loss of life, they must negotiate in some cases.
 (b) It is true that it is illegal to refuse to register for military service. But there is a long tradition in the United States of conscientious objection to serving in the armed forces.
 (c) It is true that it is illegal for a government official to participate in a transaction in which there is an apparent conflict of interest. But if the facts are examined carefully, it will clearly be seen that there was no actual conflict of interest in the defendant's case.
 (d) It is true that it is against the law to burglarize people's home. But someone else certainly would have burglarized that house if the defendant had not done so first.

Itemcode : PT1333

Q43 ADVERTISEMENT: You can not buy a more potent pain reliever than RELIEF without a prescription.

: Which of the following statements is inconsistent with the claim made by the advertisement?

- I. RELIEF is not the least expensive non-prescription pain-reliever one can buy.
 II. Another non-prescription pain-reliever, TOBINE, is just as powerful as RELIEF.
 III. Some prescription pain-relievers are not as powerful as RELIEF.

- (a) I only
 (b) II only
 (c) I & III only
 (d) None of the above

Itemcode : PT1334

Q44 Albert, David, Jerome and Tommy were plucking mangoes in a grove to earn some pocket money during the summer holidays. Their earnings were directly related to the number of mangoes plucked and had the following relationship.

- i. Jerome got less money than Tommy.
- ii. Jerome and Tommy together got the same amount as Albert and David taken together.
- iii. Albert and Tommy together got less than David and Jerome taken together.

Who earned the most pocket money and who plucked the least number of mangoes?

- (a) David and Jerome
- (b) David and Albert
- (c) Jerome and Tommy
- (d) Jerome and Albert.

Itemcode : **PT1335**

Q45 A paragraph is given below from which the last sentence has been deleted. From the given options, choose the one that completes the paragraph in the most appropriate way.

One in three people born this year will develop dementia, according to new figures. The Alzheimer's Research UK charity warned of a "looming national health crisis" as the population ages. It called for greater efforts across the globe to help develop new treatments. Dementia affects 850,000 people in the UK, resulting in the loss of brain cells. The most common type is Alzheimer's disease.

- (a) The research showed 27% of babies born in 2015 will develop the condition in their lifetime, as compared to the 35% of babies born in 2005.
- (b) As people have shorter lives than ever before, the numbers with dementia will rise.
- (c) Early symptoms include problems with memory and thinking.
- (d) Parkinson's is already the biggest health challenge this country faces.

Itemcode : **PT1336**

Q46 Three friends divided some bullets equally. After all of them shot 4 bullets the total number of bullets remaining is equal to the bullets each had after division. Find the original number divided?

- (a) 18
- (b) 20
- (c) 54
- (d) 8

Itemcode : **PT1348**

Q47 A, B, G and T are robots and P,Q, R, S ,T& U are machines. No robot can be assigned to more than 1 machine at the same time.

A and B are required to run machine T
 Band G are required to run machine R
 G and T are required to run Machine P
 Machine Q can be run by only A
 Machine S and U can be run by any of the robots independently

If machine Q is running which other machines cannot run simultaneously?

- (a) P & S
- (b) R
- (c) T
- (d) S & T

Itemcode : **PT1349**

Q48 A, B, G and T are robots and P,Q, R, S ,T& U are machines. No robot can be assigned to more than 1 machine at the same time.

A and B are required to run machine T
 Band G are required to run machine R
 G and T are required to run Machine P
 Machine Q can be run by only A
 Machine S and U can be run by any of the robots independently
 What is the maximum no of machines that can run simultaneously?

- (a) 2
- (b) 3
- (c) 4
- (d) 5

Itemcode : **PT1350**

Q49 On a particular day Zudep and Nidhi decide that they would either speak the truth or will lie. Geepee asks Zudep whether he is speaking the truth or lying. He answers and Nidhi listens to what he said. Geepee then asks Nidhi what Zudep has said, Nidhi says "Zudep says that he is a liar". What is Nidhi speaking?

- (a) The truth
- (b) A lie
- (c) The truth when Zudep lies
- (d) Cannot be determined

Passage:

Questions below are data sufficiency problems. Each consists of a question and two statements, labelled (I) and (II) in which certain data are given. You have to decide whether the data given in the statements are sufficient for answering the question. Mark answer:

Itemcode : **PT1342**

Q50 The regular price of a certain shirt was reduced to get a sale price. By how many dollars was the regular price reduced to get the sale price?

- I) The regular price of the shirt was reduced by 20%.
 II) The sale price of the shirt is \$60.

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Itemcode : **PT1343**

Q51 What is the value of x ?

- :
 I) $2x - y = 3 - y$
 II) $y = 1$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Itemcode : **PT1344**

Q52 If m and n are positive integers, then m is what percent of n ?

- :
 I) $m = n - 3$
 II) $4m = 3n$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Passage:

Question below are data sufficiency problems. Each consists of a question and two statements, labelled (I) and (II) in which certain data are given. You have to decide whether the data given in the statements are sufficient for answering the question. Mark answer:

Itemcode : **PT1345**

Q53 What is the value of $x^2 - y^2$?

- :
 I) $x + y = 2x$
 II) $x + y = 0$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Itemcode : **PT1346**

Q54 What is the average distance that automobile D travels on one full tank of Gasoline?

- :
 I) Automobile D averages 8.5 Km per litre of gasoline.
 II) The gasoline tank of the automobile D holds exactly 40 litres of gasoline.

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Itemcode : **PT1347**

Q55 Is $x^2 < 1/x$?

- :
 I) $x^2 < x$
 II) $x > 0$

- (a) if statement (I) ALONE is sufficient, but statement (II) alone is not sufficient to answer the question asked.
 (b) if statement (II) ALONE is sufficient, but statement (I) alone is not sufficient to answer the question asked.
 (c) if BOTH statements (I) and (II) TOGETHER are sufficient to answer the question asked, but NEITHER statement ALONE is sufficient.
 (d) if statement (I) and (II) TOGETHER are NOT sufficient to answer the question asked, and additional data specific to the problem are needed.

Passage:

Questions below are based on the following information/data:

A, B, C, D, E, F, G and H are sitting around circle and are facing the centre.

i. A is second to the right of E who is neighbour of C and G

ii. D is not neighbour of A

iii. G is neighbour of F

iv. D is between H and F

Itemcode : PT1337

Q56 Choose the odd man out:

:

- (a) BC
- (b) CE
- (c) GF
- (d) None of the above

Itemcode : PT1338

Q57 How many people sit between G and A?

:

- (a) 1
- (b) 3
- (c) 2
- (d) None of the above

Itemcode : PT1339

Q58 Choose the odd man out:

:

- (a) CE
- (b) BG
- (c) DC
- (d) AF

Itemcode : PT1340

Q59 Who sits opposite to E?

:

- (a) H
- (b) F
- (c) B
- (d) None of the above

Itemcode : PT1341

Q60 Who is the neighbour of A?

:

- (a) G
- (b) D
- (c) B
- (d) None of the above