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BSF SI

**Previous Year Paper
(Work-Civil)06Aug,2023**





सीमा सुरक्षा बल
BORDER SECURITY FORCE

Participant ID	
Participant Name	
Test Center Name	
Test Date	06/08/2023
Test Time	4:30 PM - 6:30 PM
Subject	Sub Inspector (Works)

Section : General Intelligence and Reasoning

Q.1 A is the father of B. B is the brother of C. C is the brother of D. D is the son of E. How is A related to E?

- Ans ☒ 1. Son
☒ 2. Father
☒ 3. Husband
☒ 4. Brother

Question ID : 630680295564
Option 1 ID : 6306801149983
Option 2 ID : 6306801149980
Option 3 ID : 6306801149981
Option 4 ID : 6306801149982
Status : Answered
Chosen Option : 3

Q.2 Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and fourth letter cluster is related to third letter cluster.
DHL : BFJ :: CGK : AEI :: OSW : ?

- Ans ☒ 1. MPV
☒ 2. MQU
☒ 3. NQU
☒ 4. NRV

Question ID : 630680295567
Option 1 ID : 6306801149994
Option 2 ID : 6306801149992
Option 3 ID : 6306801149995
Option 4 ID : 6306801149993
Status : Answered
Chosen Option : 2

Q.3 नीचे दिए गए अक्षरों से बनी स्ट्रिंग पर विचार करें। ऐसे कितने अक्षर हैं जिनके ठीक बाद व्यंजन आते हैं लेकिन ठीक पहले स्वर नहीं आते हैं?

K O E F B G M F J P K M D H F U S G J I O E S P Z

Ans ☒ 1. 14

☒ 2. 12

☒ 3. 11

☒ 4. 13

Question ID : 630680295557

Option 1 ID : 6306801149955

Option 2 ID : 6306801149953

Option 3 ID : 6306801149952

Option 4 ID : 6306801149954

Status : Answered

Chosen Option : 4

Q.4 By Interchanging the given two numbers which of the following equation will be correct?
3 and 7

Ans ☒ 1. $7 \times 2 + 3 - 1 = 10$

☒ 2. $8 + 7 - 3 = 10$

☒ 3. $7 \times 8 - 3 + 2 = 25$

☒ 4. $3 + 7 \times 2 \div 1 = 13$

Question ID : 630680295576

Option 1 ID : 6306801150029

Option 2 ID : 6306801150028

Option 3 ID : 6306801150031

Option 4 ID : 6306801150030

Status : Answered

Chosen Option : 4

Q.5 In the following question, select the missing number from the given series.
20, 41, 83, 167, 335, ?

Ans ☒ 1. 671

☒ 2. 675

☒ 3. 658

☒ 4. 680

Question ID : 630680295574

Option 1 ID : 6306801150020

Option 2 ID : 6306801150021

Option 3 ID : 6306801150022

Option 4 ID : 6306801150023

Status : Answered

Chosen Option : 1



Q.6 In a certain code language, 'WILDLIFE' is written as 'LMPSKSPD'. What is the code for 'DEADLINE' in that code language?

- Ans
- ☒ 1. LUPKSHLK
 - ☒ 2. LUPSKHLK
 - ☒ 3. LUPSKHMK
 - ☒ 4. LUPSMHLK

Question ID : 630680295563
Option 1 ID : 6306801149976
Option 2 ID : 6306801149977
Option 3 ID : 6306801149978
Option 4 ID : 6306801149979
Status : Answered
Chosen Option : 2

Q.7 Six students A, B, C, D, E and F are sitting around a circular table facing towards the centre (not necessarily in the same order). F is third to the right of A. C is not the immediate neighbour of F. D is second to left of C. B is fourth to the left of A. Who is second to the left of E?

- Ans
- ☒ 1. F
 - ☒ 2. C
 - ☒ 3. B
 - ☒ 4. A

Question ID : 630680295552
Option 1 ID : 6306801149935
Option 2 ID : 6306801149933
Option 3 ID : 6306801149932
Option 4 ID : 6306801149934
Status : Answered
Chosen Option : 3

Q.8 If $A \times B$ means 'A' is the mother of 'B', $A \div B$ means 'A' is the son of 'B', $A - B$ means 'A' is the sister of 'B'. If $A - B \times C \div D \div E$, then how is B related to E?

- Ans
- ☒ 1. Daughter
 - ☒ 2. Son in Law
 - ☒ 3. Son
 - ☒ 4. Daughter in Law

Question ID : 630680295565
Option 1 ID : 6306801149987
Option 2 ID : 6306801149985
Option 3 ID : 6306801149986
Option 4 ID : 6306801149984
Status : Answered
Chosen Option : 4

Q.9 In the question given below, relationships between different elements are shown in the statements. These statements are followed by two conclusions.

Give answer:

Statements:

I. $Q \geq R = S > T \geq V$

Conclusions:

I. $Q = S$

II. $R > V$

Ans ☒ 1. If only conclusion II is true

☒ 2. If only conclusion I is true

☒ 3. If both conclusions I and II are true

☒ 4. If neither conclusion I nor conclusion II is true

Question ID : 630680295571

Option 1 ID : 6306801150009

Option 2 ID : 6306801150008

Option 3 ID : 6306801150011

Option 4 ID : 6306801150010

Status : Answered

Chosen Option : 3

Q.10 Select the option that is related to the fifth letter cluster in the same way as the second letter cluster is related to the first letter cluster and fourth letter cluster is related to third letter cluster.

VU : ZY :: QP : UT :: UT : ?

Ans ☒ 1. YX

☒ 2. ZY

☒ 3. XZ

☒ 4. WY

Question ID : 630680295566

Option 1 ID : 6306801149990

Option 2 ID : 6306801149988

Option 3 ID : 6306801149989

Option 4 ID : 6306801149991

Status : Answered

Chosen Option : 1

Q.11 Six workers A, B, C, D, E and F are sitting around a circular table facing towards the centre (not necessarily in the same order). B is to the immediate left of A. F is the immediate neighbour of both A and C. E is second to the left of A. Who is second to the right of F?

Ans ☒ 1. A

☒ 2. E

☒ 3. B

☒ 4. D

Question ID : 630680295553

Option 1 ID : 6306801149939

Option 2 ID : 6306801149938

Option 3 ID : 6306801149936

Option 4 ID : 6306801149937

Status : Answered

Chosen Option : 4



Q.12 In the question given below, relationships between different elements are shown in the statements. These statements are followed by two conclusions.

Give answer:
Statements:
I. $N > R \leq S < T = M$
Conclusions:
I. $N > T$
II. $M > R$

- Ans
- ☒ 1. If both conclusions I and II are true
 - ☒ 2. If only conclusion II is true
 - ☒ 3. If neither conclusion I nor conclusion II is true
 - ☒ 4. If only conclusion I is true

Question ID : 630680295570
Option 1 ID : 6306801150007
Option 2 ID : 6306801150005
Option 3 ID : 6306801150006
Option 4 ID : 6306801150004
Status : Answered
Chosen Option : 2

Q.13 In a certain code language, 'WORTHY' is written as 'OWTRYH'. What is the code for 'VOTING' in that code language?

- Ans
- ☒ 1. OVITGM
 - ☒ 2. VITGN
 - ☒ 3. OVITFN
 - ☒ 4. OVTING

Question ID : 630680295562
Option 1 ID : 6306801149975
Option 2 ID : 6306801149973
Option 3 ID : 6306801149974
Option 4 ID : 6306801149972
Status : Marked For Review
Chosen Option : 1

Q.14 Eight teachers E, F, G, H, I, J, K and L are sitting around a circular table facing opposite to the centre (not necessarily in the same order). F is second to the left of H. J is third to the right of H. G is second to the right of E. J is second to the left of E. K is third to the left of I. Who is to the second left of I?

- Ans
- ☒ 1. L
 - ☒ 2. F
 - ☒ 3. K
 - ☒ 4. G

Question ID : 630680295554
Option 1 ID : 6306801149941
Option 2 ID : 6306801149943
Option 3 ID : 6306801149940
Option 4 ID : 6306801149942
Status : Answered
Chosen Option : 1

Q.15 Consider the string given below made up of letter and symbol. How many symbols are immediately preceded and immediately followed by letter M?
M & M S M & # M M # & # & S S & S M # M # S & S #

- Ans
- ☒ 1. 1
 - ☒ 2. 3
 - ☒ 3. 2
 - ☒ 4. 0

Question ID : 630680295558
Option 1 ID : 6306801149957
Option 2 ID : 6306801149959
Option 3 ID : 6306801149958
Option 4 ID : 6306801149956
Status : Answered
Chosen Option : 3

Q.16 In the following question, select the missing number from the given series.
57, 56, 53, 48, 41, ?

- Ans
- ☒ 1. 30
 - ☒ 2. 34
 - ☒ 3. 28
 - ☒ 4. 32

Question ID : 630680295572
Option 1 ID : 6306801150012
Option 2 ID : 6306801150013
Option 3 ID : 6306801150014
Option 4 ID : 6306801150015
Status : Answered
Chosen Option : 4

Q.17 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

Statements:
I. No X are Y.
II. Some Z are Y.
Conclusion:
I. All Z are X.
II. No Y is X.

- Ans
- ☒ 1. Neither conclusion I nor II follows
 - ☒ 2. Both conclusions I and II follows
 - ☒ 3. Only conclusion II follows
 - ☒ 4. Only conclusion I follows

Question ID : 630680295555
Option 1 ID : 6306801149947
Option 2 ID : 6306801149946
Option 3 ID : 6306801149945
Option 4 ID : 6306801149944
Status : Answered
Chosen Option : 3

Q.18 By interchanging which two numbers the equation will be correct?
 $4 \div 8 \times 6 - 5 + 9 = -1$

- Ans
- ☒ 1. 4 and 9
 - ☒ 2. 5 and 9
 - ☒ 3. 4 and 6
 - ☒ 4. 6 and 5

Question ID : 630680295575
Option 1 ID : 6306801150026
Option 2 ID : 6306801150027
Option 3 ID : 6306801150024
Option 4 ID : 6306801150025
Status : Answered
Chosen Option : 2

Q.19 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
RSMR, XPUQ, DMCP, JJKO, ?

- Ans
- ☒ 1. AGQN
 - ☒ 2. AMNO
 - ☒ 3. ANQR
 - ☒ 4. PGSN

Question ID : 630680295561
Option 1 ID : 6306801149968
Option 2 ID : 6306801149970
Option 3 ID : 6306801149971
Option 4 ID : 6306801149969
Status : Answered
Chosen Option : 4

Q.20 A series is given with one term missing. Select the correct alternative from the given ones that will complete the series.
RS, UX, XC, AH, ?

- Ans
- ☒ 1. DM
 - ☒ 2. EM
 - ☒ 3. EN
 - ☒ 4. DN

Question ID : 630680295560
Option 1 ID : 6306801149964
Option 2 ID : 6306801149965
Option 3 ID : 6306801149967
Option 4 ID : 6306801149966
Status : Answered
Chosen Option : 1

Q.21 In the following question, select the odd letter/letters from the given alternatives.

- Ans ☒ 1. HM
☒ 2. MR
☒ 3. OU
☒ 4. AF

Question ID : 630680295568
Option 1 ID : 6306801149996
Option 2 ID : 6306801149999
Option 3 ID : 6306801149997
Option 4 ID : 6306801149998
Status : Answered
Chosen Option : 3

Q.22 In the following question below are given some statements followed by some conclusions based on those statements. Taking the given statements to be true even if they seem to be at variance from commonly known facts. Read all the conclusions and then decide which of the given conclusion logically follows the given statements.

- Statements:
I. Some paper are blue.
II. All white are blue.
Conclusion:
I. Some blue are paper.
II. Some blue are white.
III. No paper are white.

- Ans ☒ 1. Both conclusions I and II follows
☒ 2. Only conclusion I follows
☒ 3. All conclusion follows
☒ 4. Both conclusions II and III follows

Question ID : 630680295556
Option 1 ID : 6306801149950
Option 2 ID : 6306801149948
Option 3 ID : 6306801149951
Option 4 ID : 6306801149949
Status : Answered
Chosen Option : 1

Q.23 In the following question, four letter pairs are given. The letters on left side of (–) is related to the letters on the right side of (–) with some Logic/Rule/Relation. Three are similar on basis of same Logic/Rule/Relation. Select the odd one out from the given alternatives.

- Ans ☒ 1. HVSM – LRUG
☒ 2. BCJV – ABIU
☒ 3. XLIC – BHKW
☒ 4. NBYS – RXAM

Question ID : 630680295569
Option 1 ID : 6306801150003
Option 2 ID : 6306801150001
Option 3 ID : 6306801150002
Option 4 ID : 6306801150000
Status : Answered
Chosen Option : 2

Q.24 नीचे दी गई स्ट्रिंग पर विचार करें जो अक्षर और प्रतीक से बनी है। ऐसे कितने प्रतीक हैं जिनके ठीक पहले कोई प्रतीक आता है लेकिन ठीक बाद कोई अक्षर नहीं आता है?
X C X C C C @ & & X C C C & C X C & @ & X @ @ X @

- Ans
- ☒ 1. 4
 - ☒ 2. 3
 - ☒ 3. 5
 - ☒ 4. 2

Question ID : 630680295559
Option 1 ID : 6306801149962
Option 2 ID : 6306801149961
Option 3 ID : 6306801149963
Option 4 ID : 6306801149960
Status : Answered
Chosen Option : 1

Q.25 In the following question, select the missing number from the given series.
1705, 1710, 1715, 1720, ?

- Ans
- ☒ 1. 1800
 - ☒ 2. 1725
 - ☒ 3. 1750
 - ☒ 4. 1855

Question ID : 630680295573
Option 1 ID : 6306801150017
Option 2 ID : 6306801150019
Option 3 ID : 6306801150016
Option 4 ID : 6306801150018
Status : Answered
Chosen Option : 2

Section : General Awareness

Q.1 If marginal propensity to consume is denoted by c, then tax multiplier can be expressed as _____.

- Ans
- ☒ 1. -c/ (1-c)
 - ☒ 2. c/ (1-c)
 - ☒ 3. -1/ (1-c)
 - ☒ 4. 1/ (1-c)

Question ID : 630680295585
Option 1 ID : 6306801150067
Option 2 ID : 6306801150065
Option 3 ID : 6306801150064
Option 4 ID : 6306801150066
Status : Answered
Chosen Option : 2

Q.2 Who is the author of the book 'Rajatarangini'?

- Ans
- ☐ 1. Kalidasa
 - ☐ 2. Banabhatta
 - ☐ 3. Harisena
 - ☒ 4. Kalhan

Question ID : 630680295588
Option 1 ID : 6306801150079
Option 2 ID : 6306801150078
Option 3 ID : 6306801150076
Option 4 ID : 6306801150077
Status : Answered
Chosen Option : 3

Q.3 The Sunderban delta is the home of which of the following animal?

- Ans
- ☐ 1. Asiatic Lions
 - ☐ 2. Asiatic Cheetah
 - ☒ 3. Royal Bengal Tiger
 - ☐ 4. Black Panther

Question ID : 630680295592
Option 1 ID : 6306801150092
Option 2 ID : 6306801150094
Option 3 ID : 6306801150095
Option 4 ID : 6306801150093
Status : Answered
Chosen Option : 3

Q.4 The Spitzer telescope that is related to infrared imaging, which was in the news in 2023, was launched in which of the following years?

- Ans
- ☐ 1. 2002
 - ☐ 2. 2001
 - ☐ 3. 2000
 - ☒ 4. 2003

Question ID : 630680295580
Option 1 ID : 6306801150046
Option 2 ID : 6306801150045
Option 3 ID : 6306801150044
Option 4 ID : 6306801150047
Status : Answered
Chosen Option : 4

Q.5 The Vettukad Festival is celebrated for how many days?

- Ans ☒ 1. Nine
☒ 2. Eleven
☒ 3. Seven
☒ 4. Ten

Question ID : 630680295591
Option 1 ID : 6306801150089
Option 2 ID : 6306801150091
Option 3 ID : 6306801150088
Option 4 ID : 6306801150090
Status : Answered
Chosen Option : 3

Q.6 Which of the following pairs of 'organisation – year of establishment' is correctly matched?

- I. Veda Samaj – 1864
II. Arya Samaj – 1867

- Ans ☒ 1. Only I
☒ 2. Both I and II
☒ 3. Neither I nor II
☒ 4. Only II

Question ID : 630680295587
Option 1 ID : 6306801150072
Option 2 ID : 6306801150074
Option 3 ID : 6306801150075
Option 4 ID : 6306801150073
Status : Answered
Chosen Option : 1

Q.7 Who is the author of the novel 'Memories of Rain'?

- Ans ☒ 1. Sunetra Gupta
☒ 2. Anita Desai
☒ 3. Namita Gokhale
☒ 4. Nayantara Sahgal

Question ID : 630680295589
Option 1 ID : 6306801150081
Option 2 ID : 6306801150083
Option 3 ID : 6306801150082
Option 4 ID : 6306801150080
Status : Answered
Chosen Option : 3



Q.8 The Bombay High Court of India was established in _____.

- Ans ☒ 1. 1858
☒ 2. 1862
☒ 3. 1852
☒ 4. 1868

Question ID : 630680295597
Option 1 ID : 6306801150113
Option 2 ID : 6306801150114
Option 3 ID : 6306801150112
Option 4 ID : 6306801150115
Status : Answered
Chosen Option : 2

Q.9 As per Census 2011, which among the following states has male-female sex ratio above 900 in rural areas?
I. Punjab
II. Sikkim

- Ans ☒ 1. Neither I nor II
☒ 2. Only II
☒ 3. Only I
☒ 4. Both I and II

Question ID : 630680295595
Option 1 ID : 6306801150107
Option 2 ID : 6306801150105
Option 3 ID : 6306801150104
Option 4 ID : 6306801150106
Status : Answered
Chosen Option : 2

Q.10 Which among the following states has the highest male literacy rate in India, as per Census 2011?

- Ans ☒ 1. Jharkhand
☒ 2. Rajasthan
☒ 3. Meghalaya
☒ 4. Chhattisgarh

Question ID : 630680295594
Option 1 ID : 6306801150101
Option 2 ID : 6306801150102
Option 3 ID : 6306801150103
Option 4 ID : 6306801150100
Status : Answered
Chosen Option : 3

Q.11 Larsen and Toubro signed a Teaming Agreement with _____ to participate in the Navy's P75 (India) submarine project.

- Ans
- ☒ 1. Sukhoi
 - ☒ 2. Dassault
 - ☒ 3. Navantia
 - ☒ 4. Boeing

Question ID : 630680295582
Option 1 ID : 6306801150055
Option 2 ID : 6306801150053
Option 3 ID : 6306801150052
Option 4 ID : 6306801150054
Status : Answered
Chosen Option : 3

Q.12 Which of the following cell organelles is also known as the 'Suicide bags' of a cell?

- Ans
- ☒ 1. Vacuole
 - ☒ 2. Mitochondria
 - ☒ 3. Ribosome
 - ☒ 4. Lysosome

Question ID : 630680295600
Option 1 ID : 6306801150126
Option 2 ID : 6306801150127
Option 3 ID : 6306801150124
Option 4 ID : 6306801150125
Status : Answered
Chosen Option : 4

Q.13 Which of the following statements is correct regarding the Indian Constitution?
I. The total number of Ministers, including the Prime Minister, in the Council of Ministers shall not exceed fifteen percent of the total number of members of the House of the People.
II. The Attorney-General for India shall be appointed by the Prime Minister of India.

- Ans
- ☒ 1. Both I and II
 - ☒ 2. Neither I nor II
 - ☒ 3. Only II
 - ☒ 4. Only I

Question ID : 630680295598
Option 1 ID : 6306801150118
Option 2 ID : 6306801150119
Option 3 ID : 6306801150117
Option 4 ID : 6306801150116
Status : Answered
Chosen Option : 4

Q.14 Article 11 of the Indian Constitution mentions _____.

- Ans
- ☒ 1. Rights of citizenship of certain migrants to Pakistan
 - ☒ 2. Rights of citizenship of certain persons of Indian origin residing outside India.
 - ☒ 3. Persons voluntarily acquiring citizenship of a foreign State not to be citizens
 - ☒ 4. Parliament to regulate the right of citizenship by law

Question ID : 630680295596
Option 1 ID : 6306801150108
Option 2 ID : 6306801150111
Option 3 ID : 6306801150110
Option 4 ID : 6306801150109
Status : Answered
Chosen Option : 4

Q.15 In _____, Mahatma Gandhi travelled to Champaran in Bihar to inspire the peasants to struggle against the oppressive plantation system.

- Ans
- ☒ 1. 1918
 - ☒ 2. 1916
 - ☒ 3. 1917
 - ☒ 4. 1915

Question ID : 630680295586
Option 1 ID : 6306801150071
Option 2 ID : 6306801150069
Option 3 ID : 6306801150070
Option 4 ID : 6306801150068
Status : Answered
Chosen Option : 3

Q.16 "NOMADIC ELEPHANT-23" is the _____ edition of bilateral joint military exercise.

- Ans
- ☒ 1. 21st
 - ☒ 2. 15th
 - ☒ 3. 19th
 - ☒ 4. 17th

Question ID : 630680295581
Option 1 ID : 6306801150051
Option 2 ID : 6306801150049
Option 3 ID : 6306801150050
Option 4 ID : 6306801150048
Status : Answered
Chosen Option : 2

Q.17 Atal Pension Yojana is open to all bank and post office account holders in the age group of

- Ans ☒ 1. 18 to 40 years
- ☐ 2. 18 to 60 years
- ☐ 3. 18 to 70 years
- ☐ 4. 18 to 50 years

Question ID : 630680295583
Option 1 ID : 6306801150056
Option 2 ID : 6306801150058
Option 3 ID : 6306801150059
Option 4 ID : 6306801150057
Status : Answered
Chosen Option : 1

Q.18 Which of the following is a tree NOT found in mangrove forests?

- Ans ☐ 1. Coconut
- ☐ 2. Palm
- ☐ 3. Agar
- ☒ 4. Pine

Question ID : 630680295593
Option 1 ID : 6306801150098
Option 2 ID : 6306801150096
Option 3 ID : 6306801150099
Option 4 ID : 6306801150097
Status : Answered
Chosen Option : 1

Q.19 What is the official language of Andhra Pradesh?

- Ans ☒ 1. Telugu
- ☐ 2. Tamil
- ☐ 3. Kannada
- ☐ 4. Malayalam

Question ID : 630680295590
Option 1 ID : 6306801150085
Option 2 ID : 6306801150084
Option 3 ID : 6306801150087
Option 4 ID : 6306801150086
Status : Answered
Chosen Option : 1

Q.20 Rudranksh Patil had won the gold medal in the men's 10m air rifle competition of the ISSF Shooting World Cup held in ____.

- Ans
- ☒ 1. Japan
 - ☒ 2. Egypt
 - ☒ 3. Turkey
 - ☒ 4. South Korea

Question ID : 630680295578
Option 1 ID : 6306801150039
Option 2 ID : 6306801150036
Option 3 ID : 6306801150037
Option 4 ID : 6306801150038
Status : Answered
Chosen Option : 4

Q.21 The Parker Solar Probe is related to which of the following international space agencies?

- Ans
- ☒ 1. ESA
 - ☒ 2. ISRO
 - ☒ 3. JAXA
 - ☒ 4. NASA

Question ID : 630680295579
Option 1 ID : 6306801150042
Option 2 ID : 6306801150041
Option 3 ID : 6306801150043
Option 4 ID : 6306801150040
Status : Answered
Chosen Option : 1

Q.22 Which of the following organism does NOT belong to Protista kingdom of living organism?

- I. Phycomycetes
- II. Ascomycetes

- Ans
- ☒ 1. Only I
 - ☒ 2. Neither I nor II
 - ☒ 3. Only II
 - ☒ 4. Both I and II

Question ID : 630680295599
Option 1 ID : 6306801150120
Option 2 ID : 6306801150123
Option 3 ID : 6306801150121
Option 4 ID : 6306801150122
Status : Answered
Chosen Option : 2

Q.23 The shape of the average variable cost curve is _____.

- Ans
- ☒ 1. V shaped
 - ☒ 2. Inverse U-shaped
 - ☒ 3. S shaped
 - ☒ 4. U-shaped

Question ID : 630680295584
Option 1 ID : 6306801150060
Option 2 ID : 6306801150063
Option 3 ID : 6306801150062
Option 4 ID : 6306801150061
Status : Answered
Chosen Option : 2

Q.24 Birsa Munda International Hockey Stadium is situated in which of the following Indian states?

- Ans
- ☒ 1. Jharkhand
 - ☒ 2. Odisha
 - ☒ 3. Chhattisgarh
 - ☒ 4. West Bengal

Question ID : 630680295577
Option 1 ID : 6306801150033
Option 2 ID : 6306801150034
Option 3 ID : 6306801150032
Option 4 ID : 6306801150035
Status : Answered
Chosen Option : 2

Q.25 Hyla belongs to which class of vertebrata?

- Ans
- ☒ 1. Cyclostomata
 - ☒ 2. Pisces
 - ☒ 3. Mammalia
 - ☒ 4. Amphibia

Question ID : 630680295601
Option 1 ID : 6306801150128
Option 2 ID : 6306801150131
Option 3 ID : 6306801150130
Option 4 ID : 6306801150129
Status : Answered
Chosen Option : 4

Section : General Engineering (Civil)

Q.1 Identify one of the laboratory methods used for the determination of mass density of soil?

- Ans
- ☐ 1. Water balloon method
 - ☒ 2. Submerged mass density method
 - ☐ 3. Core mass density method
 - ☐ 4. Sand replacement method

Question ID : 630680295604
Option 1 ID : 6306801150142
Option 2 ID : 6306801150140
Option 3 ID : 6306801150143
Option 4 ID : 6306801150141
Status : Answered
Chosen Option : 2

Q.2 Which type of mortar is used where a mortar of high strength and water resisting properties is required such as underground constructions, water saturated soils etc.

- Ans
- ☐ 1. Gauged mortar
 - ☐ 2. Lime mortar
 - ☒ 3. Cement mortar
 - ☐ 4. Gypsum mortar

Question ID : 630680295647
Option 1 ID : 6306801150314
Option 2 ID : 6306801150313
Option 3 ID : 6306801150312
Option 4 ID : 6306801150315
Status : Answered
Chosen Option : 3

Q.3 Identify the chief constituent of every kind of clay which imparts plasticity to earth?

- Ans
- ☐ 1. Silica
 - ☐ 2. Oxide of iron
 - ☒ 3. Alumina
 - ☐ 4. Lime

Question ID : 630680295638
Option 1 ID : 6306801150278
Option 2 ID : 6306801150276
Option 3 ID : 6306801150279
Option 4 ID : 6306801150277
Status : Answered
Chosen Option : 3

Q.4 Which is the method adopted for quarrying hard stones, having no fissures or cracks?

- Ans
- ☒ 1. Wedging
 - ☒ 2. Digging
 - ☒ 3. Blasting
 - ☒ 4. Pre-heating

Question ID : 630680295633
Option 1 ID : 6306801150257
Option 2 ID : 6306801150259
Option 3 ID : 6306801150256
Option 4 ID : 6306801150258
Status : Answered
Chosen Option : 3

Q.5 What is the remedial measure for creeping away of formation soil?

- Ans
- ☒ 1. Providing turving, mats, etc.
 - ☒ 2. Sand drains in sub soil.
 - ☒ 3. Lime pilling in subsoil.
 - ☒ 4. Easing of side slopes.

Question ID : 630680295644
Option 1 ID : 6306801150301
Option 2 ID : 6306801150300
Option 3 ID : 6306801150302
Option 4 ID : 6306801150303
Status : Answered
Chosen Option : 3

Q.6 Which parameter is preferably determined by volumetric method?

- Ans
- ☒ 1. Settleable solids
 - ☒ 2. Total solids
 - ☒ 3. Volatile solids
 - ☒ 4. Total suspended solids

Question ID : 630680295612
Option 1 ID : 6306801150175
Option 2 ID : 6306801150173
Option 3 ID : 6306801150172
Option 4 ID : 6306801150174
Status : Answered
Chosen Option : 1

Q.7 Set of limits intended to prevent environmental and property damage is called:

- Ans
- ☒ 1. Primary standards
 - ☒ 2. PM₁₀
 - ☒ 3. Secondary standards
 - ☒ 4. PM_{2.5}

Question ID : 630680295629
Option 1 ID : 6306801150240
Option 2 ID : 6306801150242
Option 3 ID : 6306801150241
Option 4 ID : 6306801150243
Status : Answered
Chosen Option : 1

Q.8 Which pollutants is the major cause of reduced visibility?

- Ans
- ☒ 1. CO
 - ☒ 2. PM_{2.5}
 - ☒ 3. SO_x
 - ☒ 4. NO_x

Question ID : 630680295635
Option 1 ID : 6306801150265
Option 2 ID : 6306801150264
Option 3 ID : 6306801150266
Option 4 ID : 6306801150267
Status : Answered
Chosen Option : 2

Q.9 If a property after being discarded at the end of the utility period is sold without being into pieces, the amount thus realized by sale is known as:

- Ans
- ☒ 1. Salvage value
 - ☒ 2. Capitalized value
 - ☒ 3. Scrap value
 - ☒ 4. Sinking value

Question ID : 630680295607
Option 1 ID : 6306801150152
Option 2 ID : 6306801150155
Option 3 ID : 6306801150154
Option 4 ID : 6306801150153
Status : Answered
Chosen Option : 1

Q.10 The general manufacturing waste water is generally classified as:

- Ans ☒ 1. Process waste water
- ☐ 2. Sanitary waste water
- ☐ 3. Service waste water
- ☐ 4. Cleaning waste water

Question ID : 630680295641
Option 1 ID : 6306801150290
Option 2 ID : 6306801150291
Option 3 ID : 6306801150288
Option 4 ID : 6306801150289
Status : Answered
Chosen Option : 1

Q.11 Which type of mixers are also known as forced action type mixers and are used for large size works?

- Ans ☐ 1. Non-tilting mixers
- ☐ 2. Tilting mixers
- ☒ 3. Reversing drum mixers
- ☐ 4. Pan-type mixers

Question ID : 630680295619
Option 1 ID : 6306801150200
Option 2 ID : 6306801150201
Option 3 ID : 6306801150202
Option 4 ID : 6306801150203
Status : Answered
Chosen Option : 2

Q.12 Which is the natural source of air-pollution?

- Ans ☒ 1. Sea spray
- ☐ 2. Traffic
- ☐ 3. Industrial
- ☐ 4. Domestic

Question ID : 630680295618
Option 1 ID : 6306801150197
Option 2 ID : 6306801150198
Option 3 ID : 6306801150199
Option 4 ID : 6306801150196
Status : Answered
Chosen Option : 1

Q.13 _____ method of flow net construction is the most commonly used method.

- Ans
- ☒ 1. Solid model
 - ☒ 2. Electrical analogy
 - ☒ 3. Graphical
 - ☒ 4. Plastic model

Question ID : 630680295642
Option 1 ID : 6306801150294
Option 2 ID : 6306801150293
Option 3 ID : 6306801150292
Option 4 ID : 6306801150295
Status : Answered
Chosen Option : 3

Q.14 _____ is also known as line of sight.

- Ans
- ☒ 1. The axis of the striding level
 - ☒ 2. Trunnion axis
 - ☒ 3. The axis of the plate level
 - ☒ 4. Line of collimation

Question ID : 630680295626
Option 1 ID : 6306801150231
Option 2 ID : 6306801150228
Option 3 ID : 6306801150230
Option 4 ID : 6306801150229
Status : Answered
Chosen Option : 4

Q.15 Which is the smallest water content at which the soil is saturated?

- Ans
- ☒ 1. Liquid limit
 - ☒ 2. Solid limit
 - ☒ 3. Shrinkage limit
 - ☒ 4. Plastic limit

Question ID : 630680295615
Option 1 ID : 6306801150186
Option 2 ID : 6306801150187
Option 3 ID : 6306801150185
Option 4 ID : 6306801150184
Status : Answered
Chosen Option : 3

Q.16 Which is one of the simplest instruments used to set out a right angle to a line chain?

- Ans ☒ 1. Cross staff
- ☒ 2. Prism square
- ☒ 3. Optical square
- ☒ 4. Site staff

Question ID : 630680295645
Option 1 ID : 6306801150304
Option 2 ID : 6306801150306
Option 3 ID : 6306801150305
Option 4 ID : 6306801150307
Status : Answered
Chosen Option : 3

Q.17 Which is a piece of softwood with parallel sides and its thickness varies from 50 mm to 100 mm whereas width does not exceed 230 mm?

- Ans ☒ 1. Board
- ☒ 2. Batten
- ☒ 3. Baulk
- ☒ 4. Deal

Question ID : 630680295651
Option 1 ID : 6306801150331
Option 2 ID : 6306801150329
Option 3 ID : 6306801150328
Option 4 ID : 6306801150330
Status : Answered
Chosen Option : 4

Q.18 What should be the permissible variation for length of rails?

- Ans ☒ 1. +0.8 mm to -0.4 mm
- ☒ 2. +1.0 mm to -0.5 mm
- ☒ 3. +2.0 mm to -10 mm
- ☒ 4. +1.2 mm to -1.0 mm

Question ID : 630680295632
Option 1 ID : 6306801150252
Option 2 ID : 6306801150254
Option 3 ID : 6306801150253
Option 4 ID : 6306801150255
Status : Answered
Chosen Option : 2

Q.19 Which soil component particle's has average diameter smaller than 300 mm but can be retained in 80 mm IS sieve?

- Ans ☒ 1. Cobble
- ☐ 2. Boulder
- ☐ 3. Gravel
- ☐ 4. Sand

Question ID : 630680295609
Option 1 ID : 6306801150162
Option 2 ID : 6306801150160
Option 3 ID : 6306801150161
Option 4 ID : 6306801150163
Status : Answered
Chosen Option : 1

Q.20 _____ denotes a mixture of fine soil particles and highly decomposed organic matter.

- Ans ☐ 1. Peat
- ☐ 2. Marl
- ☐ 3. Loess
- ☒ 4. Muck

Question ID : 630680295650
Option 1 ID : 6306801150326
Option 2 ID : 6306801150325
Option 3 ID : 6306801150327
Option 4 ID : 6306801150324
Status : Answered
Chosen Option : 1

Q.21 Identify and example microbiological characteristic of wastewater?

- Ans ☐ 1. Moulds
- ☐ 2. Total solids
- ☒ 3. Alkalinity
- ☐ 4. BOD

Question ID : 630680295606
Option 1 ID : 6306801150151
Option 2 ID : 6306801150149
Option 3 ID : 6306801150148
Option 4 ID : 6306801150150
Status : Answered
Chosen Option : 4

Q.22 What is the drainage property of clean gravel?

- Ans
- ☒ 1. Poor
 - ☒ 2. Fair
 - ☒ 3. Very good
 - ☒ 4. Very poor

Question ID : 630680295634
Option 1 ID : 6306801150261
Option 2 ID : 6306801150262
Option 3 ID : 6306801150263
Option 4 ID : 6306801150260
Status : Answered
Chosen Option : 3

Q.23 What is the IRC recommended width of formation for state highways in flat areas?

- Ans
- ☒ 1. 7.9 m
 - ☒ 2. 9.6 m
 - ☒ 3. 12.2 m
 - ☒ 4. 7.2 m

Question ID : 630680295622
Option 1 ID : 6306801150214
Option 2 ID : 6306801150213
Option 3 ID : 6306801150212
Option 4 ID : 6306801150215
Status : Answered
Chosen Option : 2

Q.24 Which type of soils are formed by decomposition of rock, removal of bases and silica & accumulation of iron oxide & aluminium oxide?

- Ans
- ☒ 1. Black cotton soils
 - ☒ 2. Lateritic soils
 - ☒ 3. Alluvial soils
 - ☒ 4. Desert soils

Question ID : 630680295646
Option 1 ID : 6306801150310
Option 2 ID : 6306801150309
Option 3 ID : 6306801150308
Option 4 ID : 6306801150311
Status : Answered
Chosen Option : 2

Q.25 Water absorption should not be more than ____ after 24 hours immersion in water for heavy duty burnt clay bricks.

- Ans
- ☒ 1. 5%
 - ☒ 2. 20%
 - ☒ 3. 10%
 - ☒ 4. 15%

Question ID : 630680295603
Option 1 ID : 6306801150136
Option 2 ID : 6306801150139
Option 3 ID : 6306801150137
Option 4 ID : 6306801150138
Status : Answered
Chosen Option : 4

Q.26 For which category of defect of rail, speed restriction 30 km/h should be imposed and a watchman is deputed till defective part is replaced?

- Ans
- ☒ 1. IMR (red – 3 stars)
 - ☒ 2. OBS-B (red – 1 star)
 - ☒ 3. OBS-E (red – 1 star)
 - ☒ 4. IMR (red – 2 stars)

Question ID : 630680295639
Option 1 ID : 6306801150280
Option 2 ID : 6306801150282
Option 3 ID : 6306801150283
Option 4 ID : 6306801150281
Status : Answered
Chosen Option : 1

Q.27 What usually consists of two parallel triangular plates which functions to attach the theodolite to the tripod?

- Ans
- ☒ 1. The plate levels
 - ☒ 2. The levelling head
 - ☒ 3. The A-Frame
 - ☒ 4. The lower plate

Question ID : 630680295631
Option 1 ID : 6306801150251
Option 2 ID : 6306801150248
Option 3 ID : 6306801150250
Option 4 ID : 6306801150249
Status : Answered
Chosen Option : 2

Q.28 Which method of adjusting a traverse is based on assumption that the errors in linear measurements are proportional to $\sqrt{l}$ where l is the length of a line?

- Ans
- ☒ 1. Transit method
 - ☒ 2. Bowditch's method
 - ☒ 3. Axis method
 - ☒ 4. Graphical method

Question ID : 630680295621
Option 1 ID : 6306801150209
Option 2 ID : 6306801150208
Option 3 ID : 6306801150211
Option 4 ID : 6306801150210
Status : Answered
Chosen Option : 2

Q.29 Which is one of the point sources of air pollution?

- Ans
- ☒ 1. Dirt roads
 - ☒ 2. Construction sites
 - ☒ 3. Smoke stack
 - ☒ 4. Small urban communities

Question ID : 630680295623
Option 1 ID : 6306801150219
Option 2 ID : 6306801150217
Option 3 ID : 6306801150218
Option 4 ID : 6306801150216
Status : Answered
Chosen Option : 3

Q.30 What is the recommended maximum value of superelevation under normal conditions for broad gauge (Group A)?

- Ans
- ☒ 1. 185 mm
 - ☒ 2. 140 mm
 - ☒ 3. 90 mm
 - ☒ 4. 165 mm

Question ID : 630680295648
Option 1 ID : 6306801150316
Option 2 ID : 6306801150318
Option 3 ID : 6306801150319
Option 4 ID : 6306801150317
Status : Answered
Chosen Option : 4

Q.31 What is the rule for reduced bearing when W.C.B. is between 90° and 180°?

- Ans
- ☒ 1. R.B. = 360° - W.C.B.
 - ☒ 2. R.B. = 180° - W.C.B.
 - ☒ 3. R.B. = W.C.B.
 - ☒ 4. R.B. = W.C.B. - 180°

Question ID : 630680295636
Option 1 ID : 6306801150271
Option 2 ID : 6306801150269
Option 3 ID : 6306801150268
Option 4 ID : 6306801150270
Status : Answered
Chosen Option : 2

Q.32 The point on which both minus sight and plus sight are taken on a line of direct levels is:

- Ans
- ☒ 1. Intermediate point
 - ☒ 2. Turning point
 - ☒ 3. Fore sight
 - ☒ 4. Back sight

Question ID : 630680295611
Option 1 ID : 6306801150168
Option 2 ID : 6306801150169
Option 3 ID : 6306801150170
Option 4 ID : 6306801150171
Status : Answered
Chosen Option : 2

Q.33 HEATING is one the process for quarrying of stones:

- Ans
- ☒ 1. by blasting with explosives.
 - ☒ 2. by utilizing compressed air pressures.
 - ☒ 3. with the use of channeling machines.
 - ☒ 4. with hand tools.

Question ID : 630680295614
Option 1 ID : 6306801150182
Option 2 ID : 6306801150183
Option 3 ID : 6306801150181
Option 4 ID : 6306801150180
Status : Answered
Chosen Option : 3

Q.34 5, 10 और 20 मीटर की लंबाई में किस प्रकार की माप श्रृंखलाएं उपलब्ध हैं?

- Ans
- ☒ 1. राजस्व श्रृंखला
 - ☒ 2. इंजीनियर श्रृंखला
 - ☒ 3. मीट्रिक श्रृंखला
 - ☒ 4. सर्वेक्षक की श्रृंखला

Question ID : 630680295649
Option 1 ID : 6306801150320
Option 2 ID : 6306801150321
Option 3 ID : 6306801150323
Option 4 ID : 6306801150322
Status : Answered
Chosen Option : 3

Q.35 Identify the carriageway width at entry and exit of the approach road for six lanes in Indian general practice?

- Ans
- ☒ 1. 10.0 m
 - ☒ 2. 8.0 m
 - ☒ 3. 15.0 m
 - ☒ 4. 13.0 m

Question ID : 630680295605
Option 1 ID : 6306801150145
Option 2 ID : 6306801150144
Option 3 ID : 6306801150147
Option 4 ID : 6306801150146
Status : Answered
Chosen Option : 3

Q.36 What should be the stopping sight distance for design speed 50 kmph as per recommendation of IRC?

- Ans
- ☒ 1. 45 m
 - ☒ 2. 36 m
 - ☒ 3. 82 m
 - ☒ 4. 67 m

Question ID : 630680295627
Option 1 ID : 6306801150233
Option 2 ID : 6306801150232
Option 3 ID : 6306801150235
Option 4 ID : 6306801150234
Status : Answered
Chosen Option : 4

Q.37 The process of taking levels on each side of a main line at right angles to that line is:

- Ans
- ☒ 1. Profile levelling
 - ☒ 2. Reciprocal levelling
 - ☒ 3. Precise leveling
 - ☒ 4. Cross levelling

Question ID : 630680295616
Option 1 ID : 6306801150188
Option 2 ID : 6306801150191
Option 3 ID : 6306801150189
Option 4 ID : 6306801150190
Status : Answered
Chosen Option : 4

Q.38 Which type of sand should only be used for making mortar?

- Ans
- ☒ 1. River sand
 - ☒ 2. Pit sand
 - ☒ 3. Sea sand
 - ☒ 4. Mixed sand

Question ID : 630680295643
Option 1 ID : 6306801150298
Option 2 ID : 6306801150297
Option 3 ID : 6306801150296
Option 4 ID : 6306801150299
Status : Answered
Chosen Option : 1

Q.39 Identify one of the laboratory methods used for the determination of mass density of soil?

- Ans
- ☒ 1. Sand replacement method
 - ☒ 2. Water balloon method
 - ☒ 3. Submerged mass density method
 - ☒ 4. Radiation method

Question ID : 630680295620
Option 1 ID : 6306801150205
Option 2 ID : 6306801150204
Option 3 ID : 6306801150207
Option 4 ID : 6306801150206
Status : Answered
Chosen Option : 3

Q.40 Which type of tape is commonly available in lengths of 2 m, 5 m, 10 m, 20 m, 30 m and 50 m?

- Ans ☒ 1. Metallic tape
- ☒ 2. Cloth tape
- ☒ 3. Linen tape
- ☒ 4. Invar tape

Question ID : 630680295640
Option 1 ID : 6306801150287
Option 2 ID : 6306801150284
Option 3 ID : 6306801150286
Option 4 ID : 6306801150285
Status : Answered
Chosen Option : 4

Q.41 Which method of estimate is adopted when external (i.e., around the building) wall is of one thickness and the interior walls having different thicknesses?

- Ans ☒ 1. Partly centerline and partly crosswall method
- ☒ 2. Centre line method
- ☒ 3. Long wall method
- ☒ 4. Partly long wall partly short wall method

Question ID : 630680295602
Option 1 ID : 6306801150134
Option 2 ID : 6306801150135
Option 3 ID : 6306801150132
Option 4 ID : 6306801150133
Status : Answered
Chosen Option : 2

Q.42 Which one of the following apparatuses is required to determine water absorption of coarse aggregates?

- Ans ☒ 1. Air-tight container of a capacity similar to the basket.
- ☒ 2. Air-tight container for suspending the basket.
- ☒ 3. Balance with an accuracy to measure 0.1 percent of the weight of the test sample.
- ☒ 4. A cylindrical metal measure of 75mm dia. and 50 mm depth.

Question ID : 630680295628
Option 1 ID : 6306801150238
Option 2 ID : 6306801150237
Option 3 ID : 6306801150236
Option 4 ID : 6306801150239
Status : Answered
Chosen Option : 3

Q.43 Which method of soil suction measurement is suitable for a suction upto 1 bar or 100 kN/m²?

- Ans
- ☒ 1. Tensiometer method
 - ☒ 2. Centrifuge method
 - ☒ 3. Compound method
 - ☒ 4. Suction plate method

Question ID : 630680295630
Option 1 ID : 6306801150246
Option 2 ID : 6306801150245
Option 3 ID : 6306801150244
Option 4 ID : 6306801150247
Status : Answered
Chosen Option : 3

Q.44 What is the recommended minimum Right of way width of major district roads for built up and industrial area?

- Ans
- ☒ 1. 19.6 m
 - ☒ 2. 12.2 m
 - ☒ 3. 9.2 m
 - ☒ 4. 24.4 m

Question ID : 630680295610
Option 1 ID : 6306801150165
Option 2 ID : 6306801150166
Option 3 ID : 6306801150167
Option 4 ID : 6306801150164
Status : Answered
Chosen Option : 4

Q.45 Which among the following rule of area computation gives the most accurate results?

- Ans
- ☒ 1. Simpson's rule
 - ☒ 2. Mid-ordinate rule
 - ☒ 3. Average ordinate rule
 - ☒ 4. Trapezoidal rule

Question ID : 630680295613
Option 1 ID : 6306801150178
Option 2 ID : 6306801150176
Option 3 ID : 6306801150179
Option 4 ID : 6306801150177
Status : Answered
Chosen Option : 1

Q.46 Which is the test performed to find out the presence of soluble matter in a sample of stone?

- Ans ☒ 1. Smith's test
- ☐ 2. Freezing and thawing test
- ☐ 3. Crystallization test
- ☐ 4. Microscopic test

Question ID : 630680295624
Option 1 ID : 6306801150221
Option 2 ID : 6306801150220
Option 3 ID : 6306801150222
Option 4 ID : 6306801150223
Status : Answered
Chosen Option : 3

Q.47 Which of the following is a pavement material for rigid pavements?

- Ans ☒ 1. Coarse aggregate
- ☐ 2. Soil stabilized material
- ☐ 3. Bituminous material
- ☐ 4. Granular bases

Question ID : 630680295617
Option 1 ID : 6306801150192
Option 2 ID : 6306801150194
Option 3 ID : 6306801150193
Option 4 ID : 6306801150195
Status : Answered
Chosen Option : 3

Q.48 Identify one of the laboratory methods for coefficient of permeability determination?

- Ans ☐ 1. Computation from the particle size
- ☐ 2. Pumping-out test
- ☒ 3. Constant-head permeability test
- ☐ 4. Pumping-in test

Question ID : 630680295637
Option 1 ID : 6306801150272
Option 2 ID : 6306801150275
Option 3 ID : 6306801150273
Option 4 ID : 6306801150274
Status : Answered
Chosen Option : 3

Q.49 Which type of soil structure are mainly for coarse-grained soils?

- Ans ☒ 1. Honey-comb structure
- ☐ 2. Dispersed structure
- ☐ 3. Coarse-grained skeleton
- ☐ 4. Flocculated structure

Question ID : 630680295625
Option 1 ID : 6306801150224
Option 2 ID : 6306801150226
Option 3 ID : 6306801150227
Option 4 ID : 6306801150225
Status : Answered
Chosen Option : 3

Q.50 Identify an example of un stratified rocks?

- Ans ☐ 1. Shale
- ☐ 2. Slate
- ☐ 3. Sandstone
- ☒ 4. Basalt

Question ID : 630680295608
Option 1 ID : 6306801150156
Option 2 ID : 6306801150158
Option 3 ID : 6306801150159
Option 4 ID : 6306801150157
Status : Answered
Chosen Option : 4

