

**Junior Engineer Civil Mechanical and Electrical Examination 2024 Paper I**

Roll Number	
Candidate Name	
Venue Name	
Exam Date	06/06/2024
Exam Time	1:00 PM - 3:00 PM
Subject	Junior Engineer 2024 Electrical Paper I

Section : **General Intelligence and Reasoning**

**Q.1** What should come in place of the question mark (?) in the given series based on the English alphabetical order?  
GCR, HEU, IGX, JIA, ?

- Ans
- 1. GLC
  - 2. JMC
  - 3. KKD
  - 4. MNB

Question ID : **630680382497**  
Option 1 ID : **6306801490905**  
Option 2 ID : **6306801490903**  
Option 3 ID : **6306801490904**  
Option 4 ID : **6306801490906**  
Status : **Answered**  
Chosen Option : **3**

**Q.2** 23 is related to 69 following a certain logic. Following the same logic, 41 is related to 123. To which of the following is 52 related following the same logic?

(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans
- 1. 126
  - 2. 136
  - 3. 146
  - 4. 156

Question ID : **630680396910**  
Option 1 ID : **6306801547708**  
Option 2 ID : **6306801547709**  
Option 3 ID : **6306801547710**  
Option 4 ID : **6306801547711**  
Status : **Answered**  
Chosen Option : **4**



Q.3 What should come in place of ? in the given series based on the English alphabetical order?  
ITV, EPR, ALN, WHJ, ?

- Ans
- 1. QBH
  - 2. SDF
  - 3. RCH
  - 4. QCG

Question ID : 630680375973  
Option 1 ID : 6306801464964  
Option 2 ID : 6306801464966  
Option 3 ID : 6306801464963  
Option 4 ID : 6306801464965  
Status : Answered  
Chosen Option : 2

Q.4 Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

Statements:

Some peacocks are robins.

All robins are sparrows.

All sparrows are owls.

Conclusions:

(I) No owl is a peacock.

(II) All sparrows are peacocks.

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

Question ID : 630680376881  
Option 1 ID : 6306801468587  
Option 2 ID : 6306801468590  
Option 3 ID : 6306801468589  
Option 4 ID : 6306801468588  
Status : Answered  
Chosen Option : 3

Q.5 E, F, G, H, I, J and K are sitting around a circular table with their backs facing the centre (not necessarily in the same order). J is sitting to the immediate left of G. K is sitting to the immediate right of E. H is sitting to the immediate right of K. I is sitting to the immediate right of H and immediate left of F. F is sitting to the immediate left of J. Who is an immediate neighbour of both E and J?

- Ans
- 1. H
  - 2. G
  - 3. F
  - 4. K

Question ID : 630680377012  
Option 1 ID : 6306801469112  
Option 2 ID : 6306801469111  
Option 3 ID : 6306801469113  
Option 4 ID : 6306801469114  
Status : Answered  
Chosen Option : 2



**Q.6** Select the set in which the numbers are related in the same way as are the numbers of the following sets.

(NOTE : Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g.13 – Operations on 13 such as adding /subtracting /multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed)

(23, 60)

(13, 30)

Ans  1. (9, 20)

2. (11, 26)

3. (10, 21)

4. (12, 28)

Question ID : 630680375854

Option 1 ID : 6306801464490

Option 2 ID : 6306801464488

Option 3 ID : 6306801464489

Option 4 ID : 6306801464487

Status : Answered

Chosen Option : 3

**Q.7** In a certain code language,

'A + B' means 'A is the mother of B',

'A - B' means 'A is the brother of B',

'A × B' means 'A is the sister of B', and

'A ÷ B' means 'A is the husband of B'.

How is F related to Z if 'D ÷ F × G ÷ H + N - Z'?

Ans  1. Mother's sister

2. Husband's sister

3. Father's sister

4. Sister

Question ID : 630680378716

Option 1 ID : 6306801475911

Option 2 ID : 6306801475913

Option 3 ID : 6306801475914

Option 4 ID : 6306801475912

Status : Answered

Chosen Option : 3

**Q.8** In a certain code language,

'A + B' means 'A is the father of B',

'A - B' means 'A is the mother of B',

'A × B' means 'A is the wife of B', and

'A ÷ B' means 'A is the brother of B'.

How is P related to T if 'P ÷ Q - R × S + T'?

Ans  1. Sister's husband

2. Daughter's husband

3. Mother's brother

4. Mother's mother's brother

Question ID : 630680377455

Option 1 ID : 6306801470885

Option 2 ID : 6306801470886

Option 3 ID : 6306801470884

Option 4 ID : 6306801470883

Status : Answered

Chosen Option : 4



**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

Q.9 18 is related to 126 following a certain logic. Following the same logic, 28 is related to 196. To which of the following is 48 related, following the same logic?  
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)

- Ans  1. 366  
 2. 336  
 3. 380  
 4. 320

Question ID : 630680396906  
Option 1 ID : 6306801547694  
Option 2 ID : 6306801547693  
Option 3 ID : 6306801547692  
Option 4 ID : 6306801547695  
Status : Answered  
Chosen Option : 2

Q.10 OKRN is related to UQXT in a certain way based on the English alphabetical order. In the same way, KGNJ is related to QMTP. To which of the following is NJQM related, following the same logic?

- Ans  1. PPSW  
 2. PTWS  
 3. TPWS  
 4. TPSW

Question ID : 630680376566  
Option 1 ID : 6306801467332  
Option 2 ID : 6306801467331  
Option 3 ID : 6306801467334  
Option 4 ID : 6306801467333  
Status : Answered  
Chosen Option : 3

Q.11 The position(s) of how many letters will remain unchanged if each of the letter in the word AMPLIFY is arranged in the English alphabetical order?

- Ans  1. 1  
 2. 2  
 3. 3  
 4. 4

Question ID : 630680387533  
Option 1 ID : 6306801510814  
Option 2 ID : 6306801510815  
Option 3 ID : 6306801510816  
Option 4 ID : 6306801510817  
Status : Answered  
Chosen Option : 3



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

Q.12 Pillar E is to the east of Pillar D. Pillar A is to the west of Pillar D. Pillar B is to the north of Pillar A. Pillar C is to the south of Pillar A. What is the position of Pillar C with respect to Pillar E?

- Ans  1. South-West  
 2. North  
 3. North-West  
 4. South

Question ID : 630680382480  
Option 1 ID : 6306801490838  
Option 2 ID : 6306801490835  
Option 3 ID : 6306801490836  
Option 4 ID : 6306801490837  
Status : Answered  
Chosen Option : 1

Q.13 In a certain code language, 'CMPX' is coded as 'EONV' and 'WBFK' is coded as 'YDDI'. What is the code for 'XAOD' in the given language?

- Ans  1. YDND  
 2. XDOD  
 3. XBMC  
 4. ZCMB

Question ID : 630680375911  
Option 1 ID : 6306801464715  
Option 2 ID : 6306801464718  
Option 3 ID : 6306801464717  
Option 4 ID : 6306801464716  
Status : Answered  
Chosen Option : 4

Q.14 If A means +, B means -, C means × and D means ÷, then what will come in place of the question mark (?) in the following equation?  
7 C 5 B 32 D 8 A 6 = ?

- Ans  1. 35  
 2. 37  
 3. 31  
 4. 33

Question ID : 630680376943  
Option 1 ID : 6306801468837  
Option 2 ID : 6306801468838  
Option 3 ID : 6306801468835  
Option 4 ID : 6306801468836  
Status : Answered  
Chosen Option : 2



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**Q.15** ADVN is related to GJPH in a certain way based on the English alphabetical order. In the same way, WHUB is related to CNOV. To which of the following is RFMJ related, following the same logic?

- Ans
- 1. WLFD
  - 2. XMGE
  - 3. WMFE
  - 4. XLGD

Question ID : 630680378983  
Option 1 ID : 6306801476982  
Option 2 ID : 6306801476980  
Option 3 ID : 6306801476979  
Option 4 ID : 6306801476981  
Status : Answered  
Chosen Option : 4

**Q.16** What should come in place of the question mark (?) in the given series based on the English alphabetical order?

RDKW, WIPB, BNUG, GSZL, ?

- Ans
- 1. LKJU
  - 2. LXDE
  - 3. LXEQ
  - 4. LQSW

Question ID : 630680469535  
Option 1 ID : 6306801833907  
Option 2 ID : 6306801833908  
Option 3 ID : 6306801833909  
Option 4 ID : 6306801833910  
Status : Answered  
Chosen Option : 3

**Q.17** In a certain code language, 'oh my god' is written as 'jk sr qw', and 'god is good' is written as 'dk zx sr'. How is 'god' written in that language?

- Ans
- 1. sr
  - 2. qw
  - 3. jk
  - 4. dk

Question ID : 630680376409  
Option 1 ID : 6306801466705  
Option 2 ID : 6306801466704  
Option 3 ID : 6306801466703  
Option 4 ID : 6306801466706  
Status : Answered  
Chosen Option : 1



**Q.18** Select the figure from the options that can replace the question mark (?) and complete the given pattern.

**Ans**

**X** 1.

**X** 2.

**X** 3.

4.

Question ID : **630680524808**

Option 1 ID : **6306802051332**

Option 2 ID : **6306802051333**

Option 3 ID : **6306802051331**

Option 4 ID : **6306802051334**

Status : **Answered**

Chosen Option : **4**



**Q.19** What should come in place of the question mark (?) in the given series based on the English alphabetical order?  
FOT, HLV, JIX, LFZ, NCB, ?

- Ans
- 1. ODC
  - 2. MDE
  - 3. NCB
  - 4. PZD

Question ID : 630680379365  
Option 1 ID : 6306801478504  
Option 2 ID : 6306801478505  
Option 3 ID : 6306801478506  
Option 4 ID : 6306801478503  
Status : Answered  
Chosen Option : 4

**Q.20** What will come in place of the question mark (?) in the following equation if '+' and 'x' are interchanged?  
 $104 \times 8 \div 11 + 33 - 47 = ?$

- Ans
- 1. 124
  - 2. 137
  - 3. 129
  - 4. 135

Question ID : 630680376978  
Option 1 ID : 6306801468977  
Option 2 ID : 6306801468978  
Option 3 ID : 6306801468976  
Option 4 ID : 6306801468975  
Status : Answered  
Chosen Option : 3

**Q.21** What will come in the place of the question mark (?) in the following equation, if '+' and 'x' are interchanged and '+' and '-' are interchanged?  
 $18 - 6 + 3 \times 20 \div 9 = ?$

- Ans
- 1. 12
  - 2. 6
  - 3. 18
  - 4. 20

Question ID : 630680377709  
Option 1 ID : 6306801471896  
Option 2 ID : 6306801471895  
Option 3 ID : 6306801471897  
Option 4 ID : 6306801471898  
Status : Answered  
Chosen Option : 4





**Q.22** The position of how many letters will remain unchanged if each of the letters in the word ADVISER is arranged in the English alphabetical order?

- Ans
- 1. One
  - 2. Two
  - 3. Three
  - 4. Four

Question ID : 630680449448  
Option 1 ID : 6306801754917  
Option 2 ID : 6306801754918  
Option 3 ID : 6306801754919  
Option 4 ID : 6306801754920  
Status : Answered  
Chosen Option : 3

**Q.23** What should come in place of the question mark (?) in the given series based on the English alphabetical order?  
FDI, HEK, JFM, LGO, ?

- Ans
- 1. MHQ
  - 2. NHQ
  - 3. MNQ
  - 4. NOP

Question ID : 630680378949  
Option 1 ID : 6306801476844  
Option 2 ID : 6306801476845  
Option 3 ID : 6306801476843  
Option 4 ID : 6306801476846  
Status : Answered  
Chosen Option : 2

**Q.24** How many triangles are there in the given figure?

- Ans
- 1. 6
  - 2. 7
  - 3. 8
  - 4. 9

Question ID : 630680474539  
Option 1 ID : 6306801853846  
Option 2 ID : 6306801853847  
Option 3 ID : 6306801853848  
Option 4 ID : 6306801853849  
Status : Answered  
Chosen Option : 3



**Q.25** What should come in place of the question mark (?) in the given series?  
4, 10, 28, 82, 244, ?

- Ans
- 1. 680
  - 2. 698
  - 3. 714
  - 4. 730

Question ID : 630680378870  
Option 1 ID : 6306801476527  
Option 2 ID : 6306801476528  
Option 3 ID : 6306801476529  
Option 4 ID : 6306801476530  
Status : Answered  
Chosen Option : 4

**Q.26** What will come in the place of the question mark (?) in the following equation, if '+' and '÷' are interchanged and 'x' and '-' are interchanged?  
 $24 + 6 - 11 \times 15 \div 12 = ?$

- Ans
- 1. 61
  - 2. 41
  - 3. 51
  - 4. 31

Question ID : 630680377616  
Option 1 ID : 6306801471524  
Option 2 ID : 6306801471523  
Option 3 ID : 6306801471526  
Option 4 ID : 6306801471525  
Status : Answered  
Chosen Option : 2

**Q.27** UPSN is related to LGJE in a certain way based on the English alphabetical order. In the same way, WRUP is related to NILG. To which of the following is SNQL related, following the same logic?

- Ans
- 1. JEHC
  - 2. JECH
  - 3. EJCH
  - 4. EJHC

Question ID : 630680430650  
Option 1 ID : 6306801680623  
Option 2 ID : 6306801680624  
Option 3 ID : 6306801680625  
Option 4 ID : 6306801680626  
Status : Not Attempted and Marked For Review  
Chosen Option : --



**Q.28** Select the pair in which the numbers are related to each other in the same way as are the numbers of the given pairs.  
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g. 13 – Operations on 13 such as adding/deleting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)  
(376, 234)  
(354, 212)

- Ans**  1. (328, 283)  
 2. (281, 139)  
 3. (294, 145)  
 4. (349, 217)

Question ID : 630680392063

Option 1 ID : 6306801528626

Option 2 ID : 6306801528627

Option 3 ID : 6306801528628

Option 4 ID : 6306801528629

Status : Answered

Chosen Option : 2



Q.29 Select the option in which the given figure is embedded (rotation is NOT allowed).

Ans

✗ 1.

✗ 2.

✗ 3.

4.

Question ID : 630680524485

Option 1 ID : 6306802050039

Option 2 ID : 6306802050042

Option 3 ID : 6306802050040

Option 4 ID : 6306802050041

Status : Answered

Chosen Option : 4



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**Q.30** A, B, C, D, E, F and G are seven students from a college who appeared for an exam and scored different marks each. D scored the second highest marks. C scored immediately lower marks than D and immediately higher marks than F. E scored higher than only B. G scored less marks than four of the fellow students. Who scored the highest marks?

- Ans**  1. F  
 2. B  
 3. A  
 4. D

Question ID : 630680521107  
Option 1 ID : 6306802036854  
Option 2 ID : 6306802036855  
Option 3 ID : 6306802036856  
Option 4 ID : 6306802036853  
Status : Answered  
Chosen Option : 3

**Q.31** Select the option that indicates the arrangement of the following words in meaningful and logical order.

1. Town
2. Village
3. Country
4. State
5. City

- Ans**  1. 1, 3, 2, 4, 5  
 2. 2, 1, 5, 4, 3  
 3. 5, 1, 3, 2, 4  
 4. 4, 1, 3, 2, 5

Question ID : 630680404446  
Option 1 ID : 6306801577284  
Option 2 ID : 6306801577285  
Option 3 ID : 6306801577286  
Option 4 ID : 6306801577287  
Status : Answered  
Chosen Option : 2

**Q.32** In a certain code language, 'bring him here' is coded as 'gy ct bo' and 'here is there' is coded as 'bo di yk'. How is 'here' coded in the given language?

- Ans**  1. gy  
 2. ct  
 3. bo  
 4. yk

Question ID : 630680377686  
Option 1 ID : 6306801471803  
Option 2 ID : 6306801471804  
Option 3 ID : 6306801471805  
Option 4 ID : 6306801471806  
Status : Answered  
Chosen Option : 3



**Q.33** A, B, C, D, E, F, and G are sitting around a circular table, facing the centre (not necessarily in the same order). Only 2 people sit between A and D when counted from the left of A. E sits to the immediate left of D. G sits to the immediate left of B. G is not an immediate neighbour of D. F sits to the immediate left of C.  
What is the position of B with respect to C?

- Ans**
- 1. Third to the right
  - 2. Second to the right
  - 3. Third to the left
  - 4. Second to the left

Question ID : 630680376590

Option 1 ID : 6306801467427

Option 2 ID : 6306801467429

Option 3 ID : 6306801467428

Option 4 ID : 6306801467430

Status : Answered

Chosen Option : 1



Q.34 Select the option in which the given figure is embedded (rotation is NOT allowed).

Ans

1.

✗ 2.

✗ 3.

✗ 4.

Question ID : 630680524479

Option 1 ID : 6306802050016

Option 2 ID : 6306802050015

Option 3 ID : 6306802050017

Option 4 ID : 6306802050018

Status : Answered

Chosen Option : 1



**Q.35** What should come in place of the question mark (?) in the given series?  
146, 218, 340, 512, 734, ?

- Ans
- 1. 1146
  - 2. 1134
  - 3. 1128
  - 4. 1006

Question ID : **630680396099**  
Option 1 ID : **6306801544521**  
Option 2 ID : **6306801544522**  
Option 3 ID : **6306801544523**  
Option 4 ID : **6306801544520**  
Status : **Answered**  
Chosen Option : **4**

**Q.36** AD 17 is related to CF 13 in a certain way. In the same way, EH 29 is related to GJ 25.  
To which of the following is IL 38 related, following the same logic?

- Ans
- 1. TY 35
  - 2. XZ 34
  - 3. KN 34
  - 4. TZ 35

Question ID : **630680377447**  
Option 1 ID : **6306801470853**  
Option 2 ID : **6306801470852**  
Option 3 ID : **6306801470851**  
Option 4 ID : **6306801470854**  
Status : **Answered**  
Chosen Option : **3**





**Q.37** Select the option figure that will replace the question mark (?) in the figure given below to complete the pattern.

**Ans**

1.

2.

3.

4.

Question ID : 630680525513

Option 1 ID : 6306802054136

Option 2 ID : 6306802054139

Option 3 ID : 6306802054137

Option 4 ID : 6306802054138

Status : Answered

Chosen Option : 3

**Q.38** What should come in place of the two question marks (?) in the given series in the same order?

42, 43, 47, 56, ?, 97, ?

**Ans**  1. 74, 135

2. 71, 132

3. 70, 131

4. 72, 133

Question ID : 630680377720

Option 1 ID : 6306801471940

Option 2 ID : 6306801471941

Option 3 ID : 6306801471942

Option 4 ID : 6306801471939

Status : Answered

Chosen Option : 4



**Q.39** Select the correct mirror image of the given figure when the mirror is placed at MN as shown below.

**Ans**

1.

✗ 2.

✗ 3.

✗ 4.

Question ID : **630680456656**

Option 1 ID : **6306801783587**

Option 2 ID : **6306801783588**

Option 3 ID : **6306801783589**

Option 4 ID : **6306801783590**

Status : **Answered**

Chosen Option : **1**



**Q.40** Vikram walked 10 m towards the north. Then he turned right and walked 20 m. Then he turned right and walked 25 m. Then he turned left and walked 5 m. In what direction is he facing?

- Ans**
- 1. West
  - 2. South
  - 3. East
  - 4. North

Question ID : 630680377024  
Option 1 ID : 6306801469160  
Option 2 ID : 6306801469162  
Option 3 ID : 6306801469159  
Option 4 ID : 6306801469161  
Status : Answered  
Chosen Option : 3

**Q.41** Read the given statements and conclusions carefully. Assuming that the information given in the statements is true, even if it appears to be at variance with commonly known facts, decide which of the given conclusions logically follow(s) from the statements.

**Statements:** Some bowls are spoons. All spoons are plates.

**Conclusion 1:** Some spoons are bowls.

**Conclusion 2:** Some bowls are plates.

- Ans**
- 1. Both conclusions (1) and (2) follow
  - 2. Only conclusion (1) follows
  - 3. None of the conclusions follow
  - 4. Only conclusion (2) follows

Question ID : 630680381545  
Option 1 ID : 6306801487114  
Option 2 ID : 6306801487111  
Option 3 ID : 6306801487113  
Option 4 ID : 6306801487112  
Status : Answered  
Chosen Option : 1

**Q.42** Select the correct option that indicates the arrangement of the following words in a logical and meaningful order.

1. Running
2. Crawling
3. Cycling
4. Walking
5. Driving

- Ans**
- 1. 2, 3, 4, 5, 1
  - 2. 2, 5, 3, 1, 4
  - 3. 2, 4, 1, 3, 5
  - 4. 2, 1, 5, 4, 3

Question ID : 630680565847  
Option 1 ID : 6306802212350  
Option 2 ID : 6306802212351  
Option 3 ID : 6306802212349  
Option 4 ID : 6306802212348  
Status : Answered  
Chosen Option : 3



Q.43 Select the option figure in which the given figure (X) is embedded as its part (rotation is NOT allowed).

Ans

✗ 1.

✗ 2.

3.

✗ 4.

Question ID : 630680454801

Option 1 ID : 6306801776118

Option 2 ID : 6306801776119

Option 3 ID : 6306801776120

Option 4 ID : 6306801776121

Status : Answered

Chosen Option : 3



**Q.44** EJFI is related to KPLO in a certain way based on the English alphabetical order. In the same way, INJM is related to OTPS. To which of the following is LQMP related, following the same logic?

- Ans
- 1. RWVS
  - 2. SWVR
  - 3. RWSV
  - 4. SWRV

Question ID : 630680379503  
Option 1 ID : 6306801479058  
Option 2 ID : 6306801479055  
Option 3 ID : 6306801479057  
Option 4 ID : 6306801479056  
Status : Answered  
Chosen Option : 3

**Q.45** Select the option in which the numbers share the same relationship as that shared by the given number triads.  
39-36-33  
67-64-61  
(NOTE: Operations should be performed on the whole number, without breaking down the numbers into its constituent digits. E.g. 13- Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is NOT allowed.)

- Ans
- 1. 64-54-50
  - 2. 120-116-105
  - 3. 100-94-90
  - 4. 98-95-92

Question ID : 630680387176  
Option 1 ID : 6306801509401  
Option 2 ID : 6306801509400  
Option 3 ID : 6306801509398  
Option 4 ID : 6306801509399  
Status : Answered  
Chosen Option : 4

**Q.46** Select the set in which the numbers are related in the same way as are the numbers of the following sets.  
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into its constituent digits. E.g., 13 – Operations on 13 such as adding/subtracting/multiplying etc. to 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)  
(12, 216, 6)  
(17, 408, 8)

- Ans
- 1. (19, 190, 5)
  - 2. (11, 220, 5)
  - 3. (14, 210, 5)
  - 4. (8, 86, 12)

Question ID : 630680378064  
Option 1 ID : 6306801473318  
Option 2 ID : 6306801473315  
Option 3 ID : 6306801473317  
Option 4 ID : 6306801473316  
Status : Answered  
Chosen Option : 3

**Q.47** CYTV is related to DZUW in a certain way based on the English alphabetical order. In the same way, GKOS is related to HLPT. To which of the following is BAHG related, following the same logic?

- Ans**
- 1. ALPO
  - 2. CBIH
  - 3. PLIY
  - 4. MJGH

Question ID : 630680377692  
Option 1 ID : 6306801471829  
Option 2 ID : 6306801471827  
Option 3 ID : 6306801471828  
Option 4 ID : 6306801471830  
Status : Answered  
Chosen Option : 2

**Q.48** In a certain code language, 'let us eat' is written as 'de hj kn' and 'let us play' is written as 'de kn cx'. How is 'eat' written in the given language?

- Ans**
- 1. hj
  - 2. kn
  - 3. de
  - 4. cx

Question ID : 630680388162  
Option 1 ID : 6306801513210  
Option 2 ID : 6306801513211  
Option 3 ID : 6306801513213  
Option 4 ID : 6306801513212  
Status : Answered  
Chosen Option : 1

**Q.49** Select the word-pair that best represents a similar relationship to the one expressed in the pair of words given below.  
(The words must be considered as meaningful English words and must not be related to each other based on the number of letters/number of consonants/vowels in the word.)

**Hematologists : Blood**

- Ans**
- 1. Pathologist : Eye
  - 2. Oncologist : Cancer
  - 3. Nephrologist : Nervous System
  - 4. Cardiologist : Lungs

Question ID : 630680565338  
Option 1 ID : 6306802210329  
Option 2 ID : 6306802210327  
Option 3 ID : 6306802210326  
Option 4 ID : 6306802210328  
Status : Answered  
Chosen Option : 2



**Q.50** What should come in place of the question mark (?) in the given series based on the English alphabetical order?  
ZBL, YDM, XFN, WHO, ?

- Ans
- 1. RKL
  - 2. UJP
  - 3. VJP
  - 4. RKN

Question ID : 630680378951  
Option 1 ID : 6306801476853  
Option 2 ID : 6306801476851  
Option 3 ID : 6306801476852  
Option 4 ID : 6306801476854  
Status : Answered  
Chosen Option : 3

Section : General Awareness

**Q.1** Why is it always emphasised NOT to touch any electric switch board with wet hands?

- Ans
- 1. Water can erode the switchboard.
  - 2. Combination of water and our body is a good conductor of electricity.
  - 3. Wet hands can fade away the colour coat of the switchboard.
  - 4. Wet hands might slip from the switch.

Question ID : 630680397591  
Option 1 ID : 6306801550285  
Option 2 ID : 6306801550286  
Option 3 ID : 6306801550287  
Option 4 ID : 6306801550288  
Status : Answered  
Chosen Option : 2

**Q.2** Some simple multicellular organisms reproduce by first splitting into multiple pieces. Then each of these pieces grow up into a new individual. What is this method of reproduction known as?

- Ans
- 1. Regeneration
  - 2. Binary fission
  - 3. Multiple fission
  - 4. Fragmentation

Question ID : 630680403318  
Option 1 ID : 6306801572782  
Option 2 ID : 6306801572783  
Option 3 ID : 6306801572784  
Option 4 ID : 6306801572901  
Status : Answered  
Chosen Option : 3



**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.3** Which disease causes bone pain, stunted growth and soft, weak bones that can lead to skeletal deformities due to not having enough vitamin D?

- Ans**
- 1. Rickets
  - 2. Pertussis
  - 3. Dementia
  - 4. Polio

Question ID : 630680404301  
Option 1 ID : 6306801576702  
Option 2 ID : 6306801576703  
Option 3 ID : 6306801576704  
Option 4 ID : 6306801576705  
Status : Answered  
Chosen Option : 1

**Q.4** Which of the following is a colourless liquid whose formula is  $\text{CHCl}_3$  which evaporates rapidly and turns into gas?

- Ans**
- 1. Ethanol
  - 2. Ammonia
  - 3. Acetone
  - 4. Chloroform

Question ID : 630680402996  
Option 1 ID : 6306801571555  
Option 2 ID : 6306801571557  
Option 3 ID : 6306801571556  
Option 4 ID : 6306801571558  
Status : Answered  
Chosen Option : 4

**Q.5** Pramila Malik was in news to become the first woman Speaker of which state assembly in September 2023?

- Ans**
- 1. Odisha
  - 2. Gujarat
  - 3. Karnataka
  - 4. Jharkhand

Question ID : 630680412270  
Option 1 ID : 6306801607903  
Option 2 ID : 6306801607904  
Option 3 ID : 6306801607905  
Option 4 ID : 6306801607906  
Status : Answered  
Chosen Option : 1



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)



## CLICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES

Q.6 The Project Great Indian Bustard was launched by the Government of \_\_\_\_\_ in June 2013.

- Ans
- 1. Bihar
  - 2. Manipur
  - 3. Uttarakhand
  - 4. Rajasthan

Question ID : 630680510995  
Option 1 ID : 6306801997111  
Option 2 ID : 6306801997113  
Option 3 ID : 6306801997112  
Option 4 ID : 6306801997110  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.7 Under which of the following ministries does 'VAIBHAV' Fellowship Programme announced by the Government of India in June 2023 ?

- Ans
- 1. Ministry of Human Resource Development
  - 2. Ministry of Science & Technology
  - 3. Ministry of Urban Development
  - 4. Ministry of Rural Development

Question ID : 630680513787  
Option 1 ID : 6306802007775  
Option 2 ID : 6306802007774  
Option 3 ID : 6306802007776  
Option 4 ID : 6306802007773  
Status : Answered  
Chosen Option : 1

Q.8 Which freedom is protected by Article 19(d) of the Constitution?

- Ans
- 1. Freedom to move freely throughout the territory of India
  - 2. Freedom of speech and expression
  - 3. Freedom to reside and settle in any part of India
  - 4. Freedom to assemble peacefully

Question ID : 630680804330  
Option 1 ID : 6306803151052  
Option 2 ID : 6306803151054  
Option 3 ID : 6306803151051  
Option 4 ID : 6306803151053  
Status : Answered  
Chosen Option : 1

Q.9 Which of the following is the chemical formula of baking soda?

- Ans
- 1.  $\text{Na}_2\text{CO}_3 \cdot 10\text{H}_2\text{O}$
  - 2. NaOH
  - 3.  $\text{CaOCl}_2$
  - 4.  $\text{NaHCO}_3$

Question ID : 630680421824  
Option 1 ID : 6306801645739  
Option 2 ID : 6306801645740  
Option 3 ID : 6306801645741  
Option 4 ID : 6306801645742  
Status : Answered  
Chosen Option : 4



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**CLICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.10** Where in India was the Indian music director and classical flautist Pandit Hariprasad Chaurasia born?

- Ans
- 1. Banaras
  - 2. Jhansi
  - 3. Prayagraj
  - 4. Bihar

Question ID : 630680423537  
Option 1 ID : 6306801652501  
Option 2 ID : 6306801652500  
Option 3 ID : 6306801652499  
Option 4 ID : 6306801652502  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.11** A milliamp is a unit of measurement of electric current, which is equal to how many amps?

- Ans
- 1. 0.00001 AMP
  - 2. 0.001 AMP
  - 3. 0.0001 AMP
  - 4. 0.01 AMP

Question ID : 630680402067  
Option 1 ID : 6306801567969  
Option 2 ID : 6306801567967  
Option 3 ID : 6306801567966  
Option 4 ID : 6306801567968  
Status : Answered  
Chosen Option : 2

**Q.12** The Government launched a 'Scheme for Expansion and Modernisation of Fire Services in the States' in July 2023 under the \_\_\_\_\_ for strengthening fire services in the States.

- Ans
- 1. National Disaster Response Fund (NDRF)
  - 2. National Disaster Relief Fund (NDRF)
  - 3. National Disaster Regulation Fund (NDRF)
  - 4. National Disaster Research Fund (NDRF)

Question ID : 630680455414  
Option 1 ID : 6306801778570  
Option 2 ID : 6306801778571  
Option 3 ID : 6306801778572  
Option 4 ID : 6306801778573  
Status : Answered  
Chosen Option : 1



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.13** Which of the following health campaigns was launched by President Draupadi Murmu through a virtual event on 13 September 2023?

- Ans
- 1. Ayushman Bhav
  - 2. Ayurveda for One Health
  - 3. Yoga for Mental Health
  - 4. Health For All

Question ID : 630680412655  
Option 1 ID : 6306801609443  
Option 2 ID : 6306801609444  
Option 3 ID : 6306801609445  
Option 4 ID : 6306801609446  
Status : **Not Attempted and Marked For Review**  
Chosen Option : --

**Q.14** Which of the following demineralises the enamel of the teeth?

- Ans
- 1. Soft toothbrush
  - 2. Acids produced by bacteria
  - 3. Toothpaste
  - 4. Saliva

Question ID : 630680398071  
Option 1 ID : 6306801552298  
Option 2 ID : 6306801552300  
Option 3 ID : 6306801552301  
Option 4 ID : 6306801552299  
Status : **Answered**  
Chosen Option : 2

**Q.15** The Arabian Sea is connected to the Red Sea, through the Strait of Bab-el-Mandeb and the Gulf of Eden, and the Persian Gulf via the \_\_\_\_\_.

- Ans
- 1. Gulf of Oman
  - 2. Gulf of Mexico
  - 3. Gulf of Alaska
  - 4. Gulf of Riga

Question ID : 630680562824  
Option 1 ID : 6306802200229  
Option 2 ID : 6306802200232  
Option 3 ID : 6306802200231  
Option 4 ID : 6306802200230  
Status : **Answered**  
Chosen Option : 1



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**Q.16** Name a sublimable substance that can be converted into gas without passing through any intermediate liquid phase.

- Ans
- 1. Rust
  - 2. Alum
  - 3. Chalk Powder
  - 4. Naphthalene

Question ID : 630680403598  
Option 1 ID : 6306801573888  
Option 2 ID : 6306801573887  
Option 3 ID : 6306801573889  
Option 4 ID : 6306801573886  
Status : Answered  
Chosen Option : 4

**Q.17** If wildlife sanctuaries are there to protect wild animals, then what do biosphere reserves protect?

- Ans
- 1. Forests of the area
  - 2. Entire biodiversity of the area
  - 3. Native trees and plants
  - 4. Water animals of the area

Question ID : 630680539238  
Option 1 ID : 6306802108094  
Option 2 ID : 6306802108095  
Option 3 ID : 6306802108092  
Option 4 ID : 6306802108093  
Status : Answered  
Chosen Option : 2

**Q.18** Limitations Law of 1859 is related to which of the following?

- Ans
- 1. Loan bonds
  - 2. Social reform
  - 3. Arms
  - 4. Indigo cultivation

Question ID : 630680511564  
Option 1 ID : 6306801999380  
Option 2 ID : 6306801999378  
Option 3 ID : 6306801999379  
Option 4 ID : 6306801999381  
Status : Not Answered  
Chosen Option : --

**Q.19** What makes countries near the equator hotter than those which are away from the equator?

- Ans
- 1. Areas near the equator have more volcanoes.
  - 2. The equator is near the earth's core.
  - 3. Areas near the equator receive direct and more sunlight.
  - 4. The equator is a hot line.

Question ID : 630680546817  
Option 1 ID : 6306802137836  
Option 2 ID : 6306802137837  
Option 3 ID : 6306802137835  
Option 4 ID : 6306802137834  
Status : Answered  
Chosen Option : 3



**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.20** According to which of the following constitutional articles in India does the government need to present the estimated receipts and expenditures before the parliament?

- Ans
- 1. Article 212
  - 2. Article 112
  - 3. Article 312
  - 4. Article 412

Question ID : 630680400202  
Option 1 ID : 6306801560677  
Option 2 ID : 6306801560678  
Option 3 ID : 6306801560679  
Option 4 ID : 6306801560680  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.21** Which of the following is an important step towards offering primary education to all children between the ages of 6 and 14?

- Ans
- 1. Adult Education Programme
  - 2. Mid-day meal
  - 3. Sarva Siksha Abhiyan
  - 4. Rashtriya Madhyamik Shiksha Abhiyan

Question ID : 630680394643  
Option 1 ID : 6306801538861  
Option 2 ID : 6306801538858  
Option 3 ID : 6306801538859  
Option 4 ID : 6306801538860  
Status : Answered  
Chosen Option : 3

**Q.22** Prime Minister Narendra Modi officially launched the Central Sector Scheme \_\_\_\_\_, for artisans and crafts persons across India in September 2023.

- Ans
- 1. PM Hastshilpi
  - 2. PM Kaamgaar
  - 3. PM Karigar
  - 4. PM Vishwakarma

Question ID : 630680479132  
Option 1 ID : 6306801871481  
Option 2 ID : 6306801871482  
Option 3 ID : 6306801871483  
Option 4 ID : 6306801871484  
Status : Answered  
Chosen Option : 4



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**Q.23** What is the purpose of 'customs duty' in international trade?

- Ans
- 1. To encourage unlimited imports
  - 2. To protect domestic industries by taxing imports
  - 3. To standardise products internationally
  - 4. To regulate the export of goods

Question ID : 630680460241  
Option 1 ID : 6306801797410  
Option 2 ID : 6306801797411  
Option 3 ID : 6306801797412  
Option 4 ID : 6306801797413  
Status : Answered  
Chosen Option : 2

**Q.24** Which of the following are the features of the Parliamentary form of government?

- 1) The President is the nominal or de jure executive.
- 2) The Prime Minister is the titular executive.
- 3) The President is the head of state.
- 4) The Prime Minister is the head of government.

- Ans
- 1. Only 1, 3 and 4
  - 2. Only 1, 2 and 3
  - 3. Only 1, 2 and 4
  - 4. Only 2, 3 and 4

Question ID : 630680426503  
Option 1 ID : 6306801664098  
Option 2 ID : 6306801664099  
Option 3 ID : 6306801664100  
Option 4 ID : 6306801664101  
Status : Answered  
Chosen Option : 1

**Q.25** Who called off the Non-Cooperation Movement due to the Chauri Chaura incidence?

- Ans
- 1. Lala Lajpat Rai
  - 2. Mahatma Gandhi
  - 3. Rajendra Prasad
  - 4. Chittaranjan Das

Question ID : 630680572349  
Option 1 ID : 6306802238240  
Option 2 ID : 6306802238241  
Option 3 ID : 6306802238242  
Option 4 ID : 6306802238243  
Status : Answered  
Chosen Option : 2



**Q.26** Dribbling skills are NOT used in which of the following sports?

- Ans
- 1. Basketball
  - 2. Hockey
  - 3. Football
  - 4. Chess

Question ID : 630680430537  
Option 1 ID : 6306801680173  
Option 2 ID : 6306801680174  
Option 3 ID : 6306801680175  
Option 4 ID : 6306801680176  
Status : Not Answered  
Chosen Option : --

**Q.27** In which location were the inaugural National Games, previously known as the 'All India Olympic Games,' held before the independence of India?

- Ans
- 1. Lahore
  - 2. Poona
  - 3. Bombay
  - 4. Patiala

Question ID : 630680441376  
Option 1 ID : 6306801723158  
Option 2 ID : 6306801723159  
Option 3 ID : 6306801723160  
Option 4 ID : 6306801723161  
Status : Not Answered  
Chosen Option : --

**Q.28** Who was honoured with the National Kalidas Samman 2022 award for sitar playing?

- Ans
- 1. Nishat Khan
  - 2. Budhaditya Mukherjee
  - 3. Niladri Kumar
  - 4. Purbayan Chatterjee

Question ID : 630680454093  
Option 1 ID : 6306801773309  
Option 2 ID : 6306801773308  
Option 3 ID : 6306801773310  
Option 4 ID : 6306801773307  
Status : Not Answered  
Chosen Option : --

**Q.29** A cricket ball of mass 160 grams was dropped from a height of 50 metres. What would be its kinetic energy just before touching the ground? [use the value of acceleration due to gravity as  $10 \text{ m/s}^2$ ]

- Ans
- 1. 50 joules
  - 2. 80 joules
  - 3. 8 joules
  - 4. 160 joules

Question ID : 630680419679  
Option 1 ID : 6306801637209  
Option 2 ID : 6306801637210  
Option 3 ID : 6306801637211  
Option 4 ID : 6306801637212  
Status : Answered  
Chosen Option : 3



**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.30** Which of the following trees is NOT found in the tropical evergreen forests of India?

- Ans  1. Ebony  
 2. Amaltas  
 3. Rosewood  
 4. Mahogany

Question ID : 630680510929  
Option 1 ID : 6306801996848  
Option 2 ID : 6306801996849  
Option 3 ID : 6306801996846  
Option 4 ID : 6306801996847  
Status : Answered  
Chosen Option : 4

**Q.31** Which group of beneficial bacteria is commonly used in fermented dairy products?

- Ans  1. Staphylococcus aureus  
 2. Streptomyces rhizobium  
 3. Lactobacillus acidophilus  
 4. Campylobacter jejuni

Question ID : 630680404441  
Option 1 ID : 6306801577264  
Option 2 ID : 6306801577266  
Option 3 ID : 6306801577267  
Option 4 ID : 6306801577265  
Status : Answered  
Chosen Option : 3

**Q.32** What is the minimum age prescribed for a person to be eligible to become Vice-President of India?

- Ans  1. 25 years  
 2. 30 years  
 3. 35 years  
 4. 40 years

Question ID : 630680497510  
Option 1 ID : 6306801943764  
Option 2 ID : 6306801943765  
Option 3 ID : 6306801943766  
Option 4 ID : 6306801943767  
Status : Answered  
Chosen Option : 3

**Q.33** Mr Ajit Pawar became the Deputy Chief Minister of which state on 2<sup>nd</sup> July 2023?

- Ans  1. Goa  
 2. Maharashtra  
 3. Gujarat  
 4. Rajasthan

Question ID : 630680617348  
Option 1 ID : 6306802415630  
Option 2 ID : 6306802415631  
Option 3 ID : 6306802415632  
Option 4 ID : 6306802415633  
Status : Answered  
Chosen Option : 2



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)



**Q.34** Which of the following is/are Pteridophyta?

- Ans  1. Mosses  
 2. Fern  
 3. Lichens  
 4. Hornworts

Question ID : 630680542128  
Option 1 ID : 6306802119453  
Option 2 ID : 6306802119454  
Option 3 ID : 6306802119455  
Option 4 ID : 6306802119456  
Status : Answered  
Chosen Option : 3

**Q.35** Who can operate a blog?

- Ans  1. Individuals or small groups of people  
 2. Only businesses  
 3. Only large corporations  
 4. Only individuals

Question ID : 630680379372  
Option 1 ID : 6306801478533  
Option 2 ID : 6306801478532  
Option 3 ID : 6306801478534  
Option 4 ID : 6306801478531  
Status : Answered  
Chosen Option : 1

**Q.36** Which of the following schemes focuses on reduced imports, increased exports and grassroots campaigns that support local initiatives towards self-reliance?

- Ans  1. Samarth Scheme  
 2. Vocal for Local  
 3. Mission Karmayogi  
 4. Skill India Mission

Question ID : 630680481024  
Option 1 ID : 6306801878680  
Option 2 ID : 6306801878681  
Option 3 ID : 6306801878682  
Option 4 ID : 6306801878683  
Status : Answered  
Chosen Option : 1

**Q.37** If a windmill farm has to be set up, setting up it near a coastal area seems like a good idea. What could be the main reason behind this?

- Ans  1. No water scarcity  
 2. Heavily populated  
 3. Land and sea breezes  
 4. Chances of storms

Question ID : 630680546821  
Option 1 ID : 6306802137850  
Option 2 ID : 6306802137851  
Option 3 ID : 6306802137852  
Option 4 ID : 6306802137853  
Status : Answered  
Chosen Option : 3



**Q.38** Which of the following animals is NOT a mammal?

- Ans  1. Dolphin  
 2. Elephant  
 3. Lizard  
 4. Bat

Question ID : 630680701426  
Option 1 ID : 6306802747641  
Option 2 ID : 6306802747644  
Option 3 ID : 6306802747643  
Option 4 ID : 6306802747642  
Status : Answered  
Chosen Option : 3

**Q.39** Which of the following is a popular cloud storage service on the internet?

- Ans  1. Microsoft Word  
 2. Google Drive  
 3. Adobe Photoshop  
 4. Internet Explorer

Question ID : 630680572075  
Option 1 ID : 6306802237160  
Option 2 ID : 6306802237161  
Option 3 ID : 6306802237162  
Option 4 ID : 6306802237163  
Status : Answered  
Chosen Option : 2

**Q.40** Which of the following is a function of the cytoskeleton?

- Ans  1. Protein synthesis  
 2. Cell division  
 3. ATP production  
 4. Cell support and shape

Question ID : 630680411633  
Option 1 ID : 6306801605367  
Option 2 ID : 6306801605368  
Option 3 ID : 6306801605369  
Option 4 ID : 6306801605370  
Status : Answered  
Chosen Option : 4

**Q.41** Who said, "A single shelf of a good European library was worth the whole native literature of India and Arabia"?

- Ans  1. William Jones  
 2. Max Mueller  
 3. W Hunter  
 4. Thomas Macaulay

Question ID : 630680511594  
Option 1 ID : 6306801999499  
Option 2 ID : 6306801999500  
Option 3 ID : 6306801999498  
Option 4 ID : 6306801999501  
Status : Not Answered  
Chosen Option : --



**Q.42** Which is the essential non-justiciable feature of the Indian Constitution associated with the welfare and well-being of the common man?

- Ans
- 1. Fundamental Rights
  - 2. Federalism
  - 3. Parliamentary Sovereignty
  - 4. Directive principles of State Policy

Question ID : 630680511435  
Option 1 ID : 6306801998870  
Option 2 ID : 6306801998872  
Option 3 ID : 6306801998873  
Option 4 ID : 6306801998871  
Status : Answered  
Chosen Option : 4

**Q.43** Vitamin B12 is also known as:

- Ans
- 1. cyanocobalamin
  - 2. biotin
  - 3. pantothenic acid
  - 4. pyridoxine

Question ID : 630680544739  
Option 1 ID : 6306802129719  
Option 2 ID : 6306802129721  
Option 3 ID : 6306802129718  
Option 4 ID : 6306802129720  
Status : Answered  
Chosen Option : 1

**Q.44** According to Census of India 2011, in which Union Territory was the highest population growth rate recorded?

- Ans
- 1. Dadra and Nagar Haveli
  - 2. Daman and Diu
  - 3. Andaman and Nicobar Islands
  - 4. Chandigarh

Question ID : 630680477702  
Option 1 ID : 6306801865956  
Option 2 ID : 6306801865957  
Option 3 ID : 6306801865958  
Option 4 ID : 6306801865959  
Status : Answered  
Chosen Option : 1

**Q.45** What is the primary reason for a government to implement a Goods and Services Tax (GST)?

- Ans
- 1. To eliminate all indirect taxes
  - 2. To discourage all kinds of consumption
  - 3. To simplify the tax structure
  - 4. To increase the complexity of the tax system

Question ID : 630680535869  
Option 1 ID : 6306802094827  
Option 2 ID : 6306802094825  
Option 3 ID : 6306802094824  
Option 4 ID : 6306802094826  
Status : Answered  
Chosen Option : 1



**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.46** In which of the following Articles is fundamental duties, like protecting public property and renouncing violence, stated?

- Ans
- 1. Article 11 A
  - 2. Article 36 A
  - 3. Article 51A
  - 4. Article 72 A

Question ID : 630680493467  
Option 1 ID : 6306801927607  
Option 2 ID : 6306801927608  
Option 3 ID : 6306801927609  
Option 4 ID : 6306801927610  
Status : Answered  
Chosen Option : 3

**Q.47** It is difficult to carry a heavy shopping bag with thin handles by hand, but slightly easier when the handles are covered with a thick piece of cloth. What is the reason behind that?

- Ans
- 1. Handles become stronger
  - 2. Cloth is colourful
  - 3. Increase in surface area reduces the force exerted
  - 4. Chances of tearing are eliminated

Question ID : 630680401764  
Option 1 ID : 6306801566822  
Option 2 ID : 6306801566823  
Option 3 ID : 6306801566824  
Option 4 ID : 6306801566825  
Status : Answered  
Chosen Option : 3

**Q.48** According to Census of India 2011, which of the following states recorded apopulation density of more than 1100 persons per km<sup>2</sup>?

- Ans
- 1. Rajasthan
  - 2. Punjab
  - 3. Kerala
  - 4. Bihar

Question ID : 630680477708  
Option 1 ID : 6306801865980  
Option 2 ID : 6306801865981  
Option 3 ID : 6306801865982  
Option 4 ID : 6306801865983  
Status : Answered  
Chosen Option : 4



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**Q.49** What is the meaning of the word 'Taraf' under the Bahmani Sultanate?

- Ans
- 1. Merchant
  - 2. Tax
  - 3. Horse
  - 4. Province

Question ID : 630680511633  
Option 1 ID : 6306801999655  
Option 2 ID : 6306801999657  
Option 3 ID : 6306801999654  
Option 4 ID : 6306801999656  
Status : Answered  
Chosen Option : 2

**Q.50** The Rourkela Steel plant was set up in the year \_\_\_\_\_ in Odisha state.

- Ans
- 1. 1955
  - 2. 1973
  - 3. 1959
  - 4. 1969

Question ID : 630680510978  
Option 1 ID : 6306801997043  
Option 2 ID : 6306801997045  
Option 3 ID : 6306801997042  
Option 4 ID : 6306801997044  
Status : Answered  
Chosen Option : 3

Section : **General Engineering Electrical**

**Q.1** In the measurement of RMS value of a voltage in CRO, the peak-to-peak voltage is divided by which of the following values?

- Ans
- 1.
  - 2.
  - 3.
  - 4.

Question ID : 630680198618  
Option 1 ID : 630680770434  
Option 2 ID : 630680770433  
Option 3 ID : 630680770431  
Option 4 ID : 630680770432  
Status : Answered  
Chosen Option : 1



Q.2 Lambert's Cosine Law describes the relationship between \_\_\_\_\_.

- Ans
- 1. total lumen on the work plane and lumen emitted by lamp
  - 2. illumination and the distance of light it travels
  - 3. illumination and the angle of light incidence on a surface
  - 4. the wavelength of light and its speed in a medium

Question ID : 630680381637  
Option 1 ID : 6306801487480  
Option 2 ID : 6306801487481  
Option 3 ID : 6306801487482  
Option 4 ID : 6306801487479  
Status : Answered  
Chosen Option : 3

Q.3 What do you understand by fundamental period of a signal?

- Ans
- 1. Time taken to complete first cycle of a periodic signal
  - 2. Time taken to complete every cycle of an aperiodic signal
  - 3. Time taken to complete last cycle of a periodic signal
  - 4. Time taken to complete every cycle of a periodic signal

Question ID : 630680340660  
Option 1 ID : 6306801325083  
Option 2 ID : 6306801325082  
Option 3 ID : 6306801325084  
Option 4 ID : 6306801325081  
Status : Answered  
Chosen Option : 1

Q.4 Which of the following is NOT a method for solution of medium transmission line?

- Ans
- 1. Nominal- $\pi$  method
  - 2. Nominal-T method
  - 3. Nominal-H method
  - 4. End condenser method

Question ID : 630680503834  
Option 1 ID : 6306801968899  
Option 2 ID : 6306801968898  
Option 3 ID : 6306801968900  
Option 4 ID : 6306801968897  
Status : Answered  
Chosen Option : 4

Q.5 Which of the following statements about the hysteresis loop of magnetic materials is correct?

- Ans
- 1. The area of the hysteresis loop of a hard material is less than that of the soft material.
  - 2. The hysteresis loops of hard and soft materials are of the same area.
  - 3. The area of the hysteresis loop of a hard material is greater than that of the soft material.
  - 4. The area of the hysteresis loop of a hard material as well as a soft material is not dependent on temperature.

Question ID : 630680503968  
Option 1 ID : 6306801969435  
Option 2 ID : 6306801969433  
Option 3 ID : 6306801969434  
Option 4 ID : 6306801969436  
Status : Answered  
Chosen Option : 1



**Q.6** The consumer associated with the ring main distribution scheme experiences \_\_\_\_\_ as compared to the radial distribution scheme.

- Ans**
- 1. less voltage fluctuations
  - 2. unity power factor always
  - 3. no copper loss
  - 4. less reliable power supply

Question ID : 630680503844  
Option 1 ID : 6306801968938  
Option 2 ID : 6306801968937  
Option 3 ID : 6306801968940  
Option 4 ID : 6306801968939  
Status : Answered  
Chosen Option : 2

**Q.7** Back EMF is a significant quantity during operation of a DC motor. Which of the following statements regarding the concept of Back EMF is correct?

- Ans**
- 1. At no load, the back EMF is zero.
  - 2. Back EMF is not necessary for the electromechanical energy conversion in a motor.
  - 3. The back EMF decreases considerably while loading the motor.
  - 4. Back EMF increases considerably while loading the motor.

Question ID : 630680503389  
Option 1 ID : 6306801967137  
Option 2 ID : 6306801967139  
Option 3 ID : 6306801967138  
Option 4 ID : 6306801967140  
Status : Answered  
Chosen Option : 4

**Q.8** The speed-torque characteristics of which motor whose speed falls when there is increase in load torque is suitable to the application?

- Ans**
- 1. DC shunt motor
  - 2. DC compound motor
  - 3. DC differential compound motor
  - 4. DC series motor

Question ID : 630680503377  
Option 1 ID : 6306801967089  
Option 2 ID : 6306801967090  
Option 3 ID : 6306801967092  
Option 4 ID : 6306801967091  
Status : Answered  
Chosen Option : 1

**Q.9** How is the resistance of a wire related to the length of the wire?

- Ans**
- 1. Inversely proportional
  - 2. Directly proportional
  - 3. Not related
  - 4. Proportional to square of length

Question ID : 630680340672  
Option 1 ID : 6306801325130  
Option 2 ID : 6306801325129  
Option 3 ID : 6306801325132  
Option 4 ID : 6306801325131  
Status : Answered  
Chosen Option : 2



**Q.10** In the estimation and costing, utmost importance is given for the payment of suppliers in an agreed time in order to maintain \_\_\_\_\_.

- Ans
- 1. deposit security
  - 2. flexibility
  - 3. the contract
  - 4. the guarantee

Question ID : 630680363618  
Option 1 ID : 6306801416217  
Option 2 ID : 6306801416218  
Option 3 ID : 6306801416219  
Option 4 ID : 6306801416220  
Status : **Not Attempted and Marked For Review**  
Chosen Option : --

**Q.11** Which of the following is NOT correct with reference to full load testing of a single-phase transformer?

- Ans
- 1. This test is used to determine voltage regulation of the transformer.
  - 2. In Sumpner's test, two identical transformers are taken, in which primary windings are connected in parallel whereas secondary windings are connected in series.
  - 3. This test is used to determine temperature rise and efficiency of the transformer.
  - 4. In Sumpner's test, two identical transformers are taken, in which primary windings are connected in parallel whereas secondary windings are connected in series but in phase opposition.

Question ID : 630680395396  
Option 1 ID : 6306801541767  
Option 2 ID : 6306801541766  
Option 3 ID : 6306801541764  
Option 4 ID : 6306801541765  
Status : **Not Attempted and Marked For Review**  
Chosen Option : --

**Q.12** The calculation of sending and receiving end voltage in an AC ring layout considers the voltage drop of:

- Ans
- 1. resistance alone
  - 2. combined effects of resistance, inductance and capacitance
  - 3. capacitance alone
  - 4. inductance alone

Question ID : 630680503843  
Option 1 ID : 6306801968933  
Option 2 ID : 6306801968936  
Option 3 ID : 6306801968934  
Option 4 ID : 6306801968935  
Status : **Answered**  
Chosen Option : 2





**Q.13** In stator resistance starter, if applied voltage across motor terminals is reduced by 50%, then torque is reduced to \_\_\_\_\_ of the full voltage value.

- Ans
- 1.
  - 2.
  - 3.
  - 4.

Question ID : 630680509547  
Option 1 ID : 6306801991460  
Option 2 ID : 6306801991459  
Option 3 ID : 6306801991458  
Option 4 ID : 6306801991457  
Status : Answered  
Chosen Option : 1

**Q.14** Which of the following statements is true regarding the setting of an earth fault relay?

- Ans
- 1. The setting does not depend upon the rated full-load current of the line.
  - 2. The setting should always be equal to the rated full-load current of the line.
  - 3. The setting should always be greater than the rated full-load current of the line.
  - 4. The setting should always be less than the rated full-load current of the line.

Question ID : 630680218622  
Option 1 ID : 630680848398  
Option 2 ID : 630680848396  
Option 3 ID : 630680848395  
Option 4 ID : 630680848397  
Status : Answered  
Chosen Option : 4

**Q.15** Which of the following statements are correct about armature leakage reactance of alternator?

- I. It is dependent on load current.
- II. It does not depend on load current.
- III. It is dependent on the phase angle between armature current and terminal voltage.
- IV. It does not depend on the phase angle between load current and terminal voltage.

- Ans
- 1. Only statements II and IV are correct
  - 2. Only statements I and III are correct
  - 3. Only statements I and IV are correct
  - 4. Only statements II and III are correct

Question ID : 630680315937  
Option 1 ID : 6306801229417  
Option 2 ID : 6306801229418  
Option 3 ID : 6306801229419  
Option 4 ID : 6306801229420  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.16** Two identical coils A and B have 400 turns placed such that 60% of flux produced by one coil links with the other. If a current of 10A flowing in coil A produces a flux of 20 mWb in it, find the mutual inductance between coil A and B.

- Ans
- 1. 480 H
  - 2. 100 H
  - 3. 0.48 H
  - 4. 10 H

Question ID : 630680504194  
Option 1 ID : 6306801970338  
Option 2 ID : 6306801970339  
Option 3 ID : 6306801970337  
Option 4 ID : 6306801970340  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.17** In case of electrical installations, if cable conductors are spiralling, then the resistance/unit length will \_\_\_\_\_.

- Ans
- 1. increase
  - 2. decrease
  - 3. remain the same
  - 4. become zero

Question ID : 630680363644  
Option 1 ID : 6306801416321  
Option 2 ID : 6306801416322  
Option 3 ID : 6306801416323  
Option 4 ID : 6306801416324  
Status : Answered  
Chosen Option : 2

**Q.18** The value of unknown current in CRO is measured by:

- Ans
- 1. ratio of voltage measured across the unknown resistance to that unknown resistance itself
  - 2. ratio of voltage measured on CRO to resistance of the CRO
  - 3. ratio of voltage measured on CRO to resistance of Aquadag
  - 4. ratio of voltage measured on CRO to standard resistance

Question ID : 630680424753  
Option 1 ID : 6306801657323  
Option 2 ID : 6306801657325  
Option 3 ID : 6306801657326  
Option 4 ID : 6306801657324  
Status : Answered  
Chosen Option : 1



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**Q.19** In electric power, if a body makes  $N$  rpm and the torque acting is  $T$  newton-meter, then work done per minute will be \_\_\_\_\_.

- Ans
- 1.  $m \times g$  joules
  - 2.  $2\pi NT$  joules
  - 3.  $mgh$  joules
  - 4.  $(2\pi NT)/60$  joules

Question ID : 630680504169  
Option 1 ID : 6306801970239  
Option 2 ID : 6306801970237  
Option 3 ID : 6306801970240  
Option 4 ID : 6306801970238  
Status : Answered  
Chosen Option : 4

**Q.20** The connections of three-phase energy metre for measuring three-phase power, three wire energy is similar to the connections of \_\_\_\_\_.

- Ans
- 1. three wattmeter for voltage measurement
  - 2. two wattmeter for voltage measurement
  - 3. three wattmeter for power measurement
  - 4. two wattmeter for power measurement

Question ID : 630680509382  
Option 1 ID : 6306801990818  
Option 2 ID : 6306801990817  
Option 3 ID : 6306801990816  
Option 4 ID : 6306801990815  
Status : Answered  
Chosen Option : 4

**Q.21** Lissajous patterns on a CRO has ten vertical maximum values and eight horizontal maximum values. The frequency of the horizontal input is 1000 Hz. Determine the frequency of the vertical input?

- Ans
- 1. 1344 Hz
  - 2. 800 Hz
  - 3. 1256 Hz
  - 4. 1000 Hz

Question ID : 630680396146  
Option 1 ID : 6306801544698  
Option 2 ID : 6306801544696  
Option 3 ID : 6306801544697  
Option 4 ID : 6306801544699  
Status : Answered  
Chosen Option : 2



**Q.22** Which of the following materials is most commonly used for the filaments in incandescent lamps?

- Ans  1. Tungsten  
 2. Gold  
 3. Iron  
 4. Aluminium

Question ID : 630680504209  
Option 1 ID : 6306801970398  
Option 2 ID : 6306801970400  
Option 3 ID : 6306801970399  
Option 4 ID : 6306801970397  
Status : Answered  
Chosen Option : 1

**Q.23** In electrical circuits, the equivalent resistance of a complicated network of conductors is determined by applying \_\_\_\_\_.

- Ans  1. the direct method  
 2. Ampere's circuital law  
 3. Kirchoff's law  
 4. Laplace's law

Question ID : 630680504218  
Option 1 ID : 6306801970434  
Option 2 ID : 6306801970436  
Option 3 ID : 6306801970433  
Option 4 ID : 6306801970435  
Status : Answered  
Chosen Option : 3

**Q.24** In a capacitor, if a charge of 1 coulomb accumulates on each plate when a potential difference of 1 volt is applied across the plates, then the capacitance will be \_\_\_\_\_.

- Ans  1. 1 picofarad  
 2. 1 microfarad  
 3. 1 nano-farad  
 4. 1 farad

Question ID : 630680504240  
Option 1 ID : 6306801970523  
Option 2 ID : 6306801970522  
Option 3 ID : 6306801970524  
Option 4 ID : 6306801970521  
Status : Answered  
Chosen Option : 4



Q.25 The value of Thevenin's voltage across terminal a - b will be \_\_\_\_\_ .

- Ans
- 1. 12 V
  - 2. 0 V
  - 3. 62 V
  - 4. 50 V

Question ID : 630680209178  
Option 1 ID : 630680810927  
Option 2 ID : 630680810930  
Option 3 ID : 630680810929  
Option 4 ID : 630680810928  
Status : **Marked For Review**  
Chosen Option : 1

Q.26 Stability factors are defined as the rate of change of \_\_\_\_\_ with respect to the \_\_\_\_\_, keeping both the base current and the current gain  $\beta$  constant.

- Ans
- 1. emitter current; collector base leakage current
  - 2. collector current; collector base leakage current
  - 3. collector base leakage current; collector current
  - 4. collector base leakage current; emitter current

Question ID : 630680502521  
Option 1 ID : 6306801963668  
Option 2 ID : 6306801963667  
Option 3 ID : 6306801963666  
Option 4 ID : 6306801963669  
Status : **Answered**  
Chosen Option : 4

Q.27 The magnetic flux through a 150 turns coil increases at the rate of 0.08 wb/s. What is the induced EMF between the ends of the coil?

- Ans
- 1. 24 volts
  - 2. 120 volts
  - 3. 20 volts
  - 4. 12 volts

Question ID : 630680504201  
Option 1 ID : 6306801970366  
Option 2 ID : 6306801970368  
Option 3 ID : 6306801970367  
Option 4 ID : 6306801970365  
Status : **Answered**  
Chosen Option : 4



**Q.28** A 415 V, 3-phase voltage is applied to a balanced star connected purely resistive load of 10  $\Omega$ . What is the ratio of reactive power to active power?

- Ans
- 1. 1
  - 2. 100
  - 3. 0
  - 4. Infinity

Question ID : 630680209223

Option 1 ID : 630680811107

Option 2 ID : 630680811110

Option 3 ID : 630680811109

Option 4 ID : 630680811108

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.29**

- Ans
- 1.
  - 2.
  - 3.
  - 4.

Question ID : 630680504178

Option 1 ID : 6306801970273

Option 2 ID : 6306801970276

Option 3 ID : 6306801970275

Option 4 ID : 6306801970274

Status : **Answered**

Chosen Option : 1

**Q.30** Which of the following is a key indicator of good weld quality?

- Ans
- 1. The depth of weld penetration is minimal
  - 2. A good weld should be non-uniform throughout its length
  - 3. No crater cracking on the weld
  - 4. The weld metal burns through the base material

Question ID : 630680381619

Option 1 ID : 6306801487408

Option 2 ID : 6306801487409

Option 3 ID : 6306801487407

Option 4 ID : 6306801487410

Status : **Answered**

Chosen Option : 3



**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.31** In any electric circuit, if  $i_1$  and  $i_3$  are incoming currents and  $i_2$  and  $i_4$  are outgoing currents from a node, then according to KCL which is the correct answer?

- Ans
- 1.  $i_4 - i_1 = i_2 + i_3$
  - 2.  $i_1 - i_2 = i_3 - i_4$
  - 3.  $i_1 + i_2 = i_3 + i_4$
  - 4.  $i_1 + i_3 = i_2 + i_4$

Question ID : 630680340628  
Option 1 ID : 6306801324956  
Option 2 ID : 6306801324955  
Option 3 ID : 6306801324953  
Option 4 ID : 6306801324954  
Status : Answered  
Chosen Option : 4

**Q.32** If two identical 2 A, 2  $\Omega$  Norton equivalent circuits are connected in parallel with like polarity connected to like polarity, the combined Norton equivalent circuit is:

- Ans
- 1. 2 A, 4  $\Omega$
  - 2. 4 A, 4  $\Omega$
  - 3. 0 A, 1  $\Omega$
  - 4. 4 A, 1  $\Omega$

Question ID : 630680334682  
Option 1 ID : 6306801301987  
Option 2 ID : 6306801301985  
Option 3 ID : 6306801301988  
Option 4 ID : 6306801301986  
Status : Answered  
Chosen Option : 4

**Q.33** If  $\Delta$  is the phase angle between supply voltage and pressure coil flux, which of the following statements is correct about the adjustable resistance used in the energy meter?

- Ans
- 1. It has very low resistance to adjust  $\Delta$  to 90°.
  - 2. It has very low resistance to adjust  $\Delta$  to 0°.
  - 3. It has very high resistance to adjust  $\Delta$  to 90°.
  - 4. It has very high resistance to adjust  $\Delta$  to 0°.

Question ID : 630680509375  
Option 1 ID : 6306801990787  
Option 2 ID : 6306801990788  
Option 3 ID : 6306801990789  
Option 4 ID : 6306801990790  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.34** The built-in potential of a p-n junction \_\_\_\_\_.

- Ans**
- 1. does not depend on temperature and doping concentration
  - 2. depends on both temperature and doping concentration
  - 3. depends on doping concentration only
  - 4. depends on temperature only

Question ID : **63068033359**  
Option 1 ID : **6306801296712**  
Option 2 ID : **6306801296711**  
Option 3 ID : **6306801296710**  
Option 4 ID : **6306801296709**  
Status : **Answered**  
Chosen Option : **2**

**Q.35** Which of the following types of installations is NOT a part of NEC (National Electrical Code)?

- Ans**
- 1. Sports buildings
  - 2. Medical establishments
  - 3. Agriculture premises
  - 4. Traction

Question ID : **630680333217**  
Option 1 ID : **6306801296142**  
Option 2 ID : **6306801296141**  
Option 3 ID : **6306801296144**  
Option 4 ID : **6306801296143**  
Status : **Answered**  
Chosen Option : **2**

**Q.36** What is the diversity factor in a power system?

- Ans**
- 1. The ratio of the maximum demand of the power station to the sum of average demands of all consumers connected to it
  - 2. The ratio of the maximum demand of the power station to the sum of individual minimum demands of all consumers
  - 3. The ratio of maximum demand of the power station to the sum of individual maximum demands of all consumers connected to it
  - 4. The ratio of the sum of individual maximum demands of all consumers to the maximum demand of the power station

Question ID : **630680374428**  
Option 1 ID : **6306801458893**  
Option 2 ID : **6306801458894**  
Option 3 ID : **6306801458891**  
Option 4 ID : **6306801458892**  
Status : **Answered**  
Chosen Option : **3**





**Q.37** The polar form of a vector is  $10\angle 30$ . What is the rectangular form of this vector?

- Ans
- 1.
  - 2.
  - 3.
  - 4.

Question ID : 630680504463  
Option 1 ID : 6306801971416  
Option 2 ID : 6306801971413  
Option 3 ID : 6306801971414  
Option 4 ID : 6306801971415  
Status : Answered  
Chosen Option : 2

**Q.38** As per the principles of estimation and costing, if the quantity of materials required for work is not ready, then the minimum order quantity required shall be requested in the \_\_\_\_\_.

- Ans
- 1. purchase order
  - 2. tender enquiry
  - 3. comparative statement
  - 4. purchase enquiry

Question ID : 630680363627  
Option 1 ID : 6306801416253  
Option 2 ID : 6306801416254  
Option 3 ID : 6306801416256  
Option 4 ID : 6306801416255  
Status : Answered  
Chosen Option : 1

**Q.39** What is the significance of having hot reserve capacity in a power system?

- Ans
- 1. To act as a secondary power source during peak demand periods.
  - 2. To meet sudden fluctuations in electricity demand and maintain grid balance
  - 3. To provide backup power in case of a complete power outage.
  - 4. To ensure power system stability and reliability during emergencies or unexpected events.

Question ID : 630680426240  
Option 1 ID : 6306801663064  
Option 2 ID : 6306801663066  
Option 3 ID : 6306801663063  
Option 4 ID : 6306801663065  
Status : Answered  
Chosen Option : 4

**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.40** Which of the following conditions is favourable for the application of radial distribution network?

- Ans**
- 1. Power is generated at high voltage and substation is located very far away from the load centre
  - 2. Power is generated at high voltage and substation is located at the load centre
  - 3. Power is generated at low voltage and substation is located very far away from load centre
  - 4. Power is generated at low voltage and substation is located at the load centre

Question ID : 630680503817  
Option 1 ID : 6306801968831  
Option 2 ID : 6306801968832  
Option 3 ID : 6306801968829  
Option 4 ID : 6306801968830  
Status : Answered  
Chosen Option : 1

**Q.41** Damper winding in synchronous motors is used to \_\_\_\_\_.

- A) Prevent the effect of hunting
- B) Make synchronous motors self-starting
- C) Reduce the speed of synchronous motors
- D) Provide constant synchronous motor torque

- Ans**
- 1. A and B
  - 2. A and D
  - 3. C and D
  - 4. B and C

Question ID : 630680337175  
Option 1 ID : 6306801311423  
Option 2 ID : 6306801311422  
Option 3 ID : 6306801311421  
Option 4 ID : 6306801311424  
Status : Answered  
Chosen Option : 2

**Q.42** In an electrostatic instrument, the sensitivity can be increased by \_\_\_\_\_.

- Ans**
- 1. increasing the distance between the plates
  - 2. using a phase-shifting capacitor
  - 3. using a magnetic damping mechanism
  - 4. increasing the area of the plates

Question ID : 630680509366  
Option 1 ID : 6306801990752  
Option 2 ID : 6306801990754  
Option 3 ID : 6306801990753  
Option 4 ID : 6306801990751  
Status : Not Attempted and Marked For Review  
Chosen Option : --



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**[CLICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES](#)**

**Q.43** A single phase transmission line is transmitting 1,100 KW power at 11 kV and at unity power factor. If it has a total resistance of 5  $\Omega$ , what is the efficiency of the transmission line?

- Ans
- 1. 80.96%
  - 2. 100%
  - 3. 89.65%
  - 4. 99.54%

Question ID : 630680503830

Option 1 ID : 6306801968881

Option 2 ID : 6306801968884

Option 3 ID : 6306801968882

Option 4 ID : 6306801968883

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.44** A 400V, 3-phase, star-connected synchronous motor has armature current of 200A at effective resistance of 0.04 OHMS. The short-circuit load loss at half-full load is \_\_\_\_\_.

- Ans
- 1. 2000W
  - 2. 2100 W
  - 3. 1200 W
  - 4. 1000W

Question ID : 630680384371

Option 1 ID : 6306801498373

Option 2 ID : 6306801498370

Option 3 ID : 6306801498371

Option 4 ID : 6306801498372

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.45** An electrical network contains only one loop and no other mesh. How many KVL equations can be formed for the circuit?

- Ans
- 1. 2
  - 2. 3
  - 3. 1
  - 4. 4

Question ID : 630680340712

Option 1 ID : 6306801325290

Option 2 ID : 6306801325291

Option 3 ID : 6306801325289

Option 4 ID : 6306801325292

Status : **Answered**

Chosen Option : 3



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**Q.46** What are bushings in transformers used for?

- Ans
- 1. They are used to cool the transformer oil.
  - 2. They are used to filter contaminants from the transformer oil.
  - 3. They are used to connect the transformer to the power grid.
  - 4. They are used to insulate the transformer leads as they come out through the tank.

Question ID : 630680503327  
Option 1 ID : 6306801966891  
Option 2 ID : 6306801966892  
Option 3 ID : 6306801966889  
Option 4 ID : 6306801966890  
Status : Answered  
Chosen Option : 3

**Q.47** An induction motor can be treated as a transformer with \_\_\_\_\_.

- Ans
- 1. short circuited primary winding
  - 2. short circuited secondary winding
  - 3. open circuited primary winding
  - 4. open circuited secondary winding

Question ID : 630680509579  
Option 1 ID : 6306801991587  
Option 2 ID : 6306801991585  
Option 3 ID : 6306801991588  
Option 4 ID : 6306801991586  
Status : Answered  
Chosen Option : 4

**Q.48** What is the purpose of a maximum power point tracker (MPPT) in a PV system?

- Ans
- 1. To maximise the electrical power output of the PV system
  - 2. To convert DC current to AC current
  - 3. To increase the open circuit voltage (Voc) of the PV cells
  - 4. To reduce the power losses within the PV cells

Question ID : 630680374471  
Option 1 ID : 6306801459065  
Option 2 ID : 6306801459066  
Option 3 ID : 6306801459064  
Option 4 ID : 6306801459063  
Status : Answered  
Chosen Option : 1

**Q.49** In regard to estimation and costing of public lighting, which of the following should be adequate to provide visibility that guarantees for the user the maximum safety and sufficient visual comfort?

- Ans
- 1. Level of luminance
  - 2. Limitations of glare
  - 3. Uniformity of luminance
  - 4. Optical guidance

Question ID : 630680363645  
Option 1 ID : 6306801416328  
Option 2 ID : 6306801416327  
Option 3 ID : 6306801416326  
Option 4 ID : 6306801416325  
Status : Answered  
Chosen Option : 4



**Q.50** Which of the following statements are true regarding parts of a transformer?

- (i) The thickness of laminations varies from 0.35 mm to 0.5 mm.
- (ii) The material used for breather is blue in colour when it is damp and whitish pink when dry.
- (iii) For a constant input voltage, the output voltage can be varied over a small range by providing few tapings.

- Ans**
- 1. (i) and (ii)
  - 2. (i) and (iii)
  - 3. (ii) and (iii)
  - 4. (i), (ii) and (iii)

Question ID : 630680503367  
Option 1 ID : 6306801967049  
Option 2 ID : 6306801967051  
Option 3 ID : 6306801967050  
Option 4 ID : 6306801967052  
Status : Answered  
Chosen Option : 4

**Q.51**

- Ans**
- 1. 10V
  - 2. 20V
  - 3. 40V
  - 4. 30V

Question ID : 630680502539  
Option 1 ID : 6306801963741  
Option 2 ID : 6306801963739  
Option 3 ID : 6306801963740  
Option 4 ID : 6306801963738  
Status : Answered  
Chosen Option : 1

**Q.52** The advantage of using soft starter for an induction motor is for protection against\_\_\_\_\_.

- Ans**
- 1. only undercurrent
  - 2. only overcurrent
  - 3. phase failure, overcurrent, and undercurrent
  - 4. only phase failure

Question ID : 630680509558  
Option 1 ID : 6306801991504  
Option 2 ID : 6306801991503  
Option 3 ID : 6306801991501  
Option 4 ID : 6306801991502  
Status : Answered  
Chosen Option : 3



**Q.53** In a metal oxide semiconductor FET, the metal oxide layer acts as a/an \_\_\_\_\_.

- Ans  1. dielectric  
 2. capacitor  
 3. electric field  
 4. gate

Question ID : 630680504250  
Option 1 ID : 6306801970564  
Option 2 ID : 6306801970561  
Option 3 ID : 6306801970563  
Option 4 ID : 6306801970562  
Status : Answered  
Chosen Option : 1

**Q.54** In an induction motor, the relationship between gross mechanical power developed and rotor input is \_\_\_\_\_.

- Ans  1. Gross mechanical power developed =  $(1-S) \times$  Rotor input  
 2. Gross mechanical power developed =  $(1/S) \times$  Rotor input  
 3. Gross mechanical power developed =  $(2-S) \times$  Rotor input  
 4. Gross mechanical power developed =  $S \times$  Rotor input

Question ID : 630680509546  
Option 1 ID : 6306801991454  
Option 2 ID : 6306801991455  
Option 3 ID : 6306801991456  
Option 4 ID : 6306801991453  
Status : Answered  
Chosen Option : 1

**Q.55** Which of the following types of cooling is employed in small and medium distribution transformers?

- Ans  1. Oil filled self-cooled  
 2. Water filled self-cooled  
 3. Oil filled water cooled  
 4. Water filled oil cooled

Question ID : 630680227805  
Option 1 ID : 630680883898  
Option 2 ID : 630680883897  
Option 3 ID : 630680883896  
Option 4 ID : 630680883895  
Status : Answered  
Chosen Option : 1



**Q.56** The thermal efficiency of a steam plant is defined as \_\_\_\_\_.

- Ans**
- 1. the ratio of heat equivalent of electrical output to the heat of combustion of coal
  - 2. the ratio of heat of combustion of coal to the heat equivalent of electrical output
  - 3. the ratio of heat equivalent of mechanical energy transmitted to the turbine shaft to the heat of combustion of coal
  - 4. the ratio of heat of combustion of coal to the heat equivalent of mechanical energy transmitted to the turbine shaft

Question ID : **630680509436**  
Option 1 ID : **6306801991013**  
Option 2 ID : **6306801991015**  
Option 3 ID : **6306801991014**  
Option 4 ID : **6306801991016**  
Status : **Answered**  
Chosen Option : **3**

**Q.57** Which of the following are the significance of good welds?

- I) Good welds provide strong and reliable bonds between metal components.
- II) High-quality welds require the need for rework, repairs, etc.
- III) They assist fatigue, corrosion and wear contributing to reduce the longevity of the structures.
- IV) Good welds not only provide functional benefits but also contribute to the aesthetics of finished products.

- Ans**
- 1. II and III
  - 2. II and IV
  - 3. I and IV
  - 4. I and III

Question ID : **630680381620**  
Option 1 ID : **6306801487413**  
Option 2 ID : **6306801487414**  
Option 3 ID : **6306801487412**  
Option 4 ID : **6306801487411**  
Status : **Answered**  
Chosen Option : **3**

**Q.58** Shaded-pole induction motors have which of the following properties?

- Ans**
- 1. Medium starting torque
  - 2. Low starting torque
  - 3. High starting torque
  - 4. Very high starting torque

Question ID : **630680509539**  
Option 1 ID : **6306801991428**  
Option 2 ID : **6306801991425**  
Option 3 ID : **6306801991426**  
Option 4 ID : **6306801991427**  
Status : **Answered**  
Chosen Option : **2**



**Q.59** In a semiconductor diode, the ratio of change in the forward biased voltage across the diode to change in the current in the diode is called \_\_\_\_\_.

- Ans**
- 1. DC forward resistance
  - 2. DC reverse resistance
  - 3. AC forward resistance
  - 4. AC reverse resistance

Question ID : 630680504217  
Option 1 ID : 6306801970429  
Option 2 ID : 6306801970431  
Option 3 ID : 6306801970430  
Option 4 ID : 6306801970432  
Status : Answered  
Chosen Option : 1

**Q.60** The average power delivered to an AC series circuit is given by:

- Ans**
- 1. Zero
  - 2.  $I(\max) \times V(\max)$
  - 3.  $I V_{rms} \times I_{rms} \cos\theta$
  - 4.  $I(\max) \times V(\max) \times \sin(\theta)$

Question ID : 630680504469  
Option 1 ID : 6306801971440  
Option 2 ID : 6306801971437  
Option 3 ID : 6306801971439  
Option 4 ID : 6306801971438  
Status : Answered  
Chosen Option : 1

**Q.61** A \_\_\_\_\_ is a failure in a power system of interconnected parts in which the failure of a part can trigger the failure of successive parts.

- Ans**
- 1. cascade tripping
  - 2. brown out
  - 3. black out and cascade tripping
  - 4. black out

Question ID : 630680509435  
Option 1 ID : 6306801991011  
Option 2 ID : 6306801991009  
Option 3 ID : 6306801991012  
Option 4 ID : 6306801991010  
Status : Answered  
Chosen Option : 1

**Q.62** In regard to estimation and costing, the accurate estimate in which the quantity of each item of work is calculated is called \_\_\_\_\_.

- Ans**
- 1. approximate estimate
  - 2. supplementary estimate
  - 3. detailed estimate
  - 4. rough estimate

Question ID : 630680363628  
Option 1 ID : 6306801416260  
Option 2 ID : 6306801416259  
Option 3 ID : 6306801416258  
Option 4 ID : 6306801416257  
Status : Answered  
Chosen Option : 3





**Q.63** A DC source of EMF  $E$  volts and internal resistance  $R$  ohms is connected to a variable load and it is adjusted such that the load absorbs maximum power from the source. The current drawn from the source is:

- Ans
- 1.
  - 2.
  - 3.
  - 4.

Question ID : 630680334680  
Option 1 ID : 6306801301980  
Option 2 ID : 6306801301978  
Option 3 ID : 6306801301979  
Option 4 ID : 6306801301977  
Status : Marked For Review  
Chosen Option : 3

**Q.64** Which of the following factors is NOT related to the reluctance of the magnetic circuit?

- Ans
- 1. Nature of the magnetic material
  - 2. Area of the cross-section of the circuit
  - 3. Magnetomotive force
  - 4. Length of the magnetic circuit

Question ID : 630680504229  
Option 1 ID : 6306801970479  
Option 2 ID : 6306801970478  
Option 3 ID : 6306801970480  
Option 4 ID : 6306801970477  
Status : Answered  
Chosen Option : 1

**Q.65** Power measured using 2 wattmeter method from a three-phase balanced/unbalanced load where line voltage =  $V_L$ , Line current =  $I_L$ , Phase voltage =  $V_P$  and Phase current =  $I_P$  is given by:

- Ans
- 1.
  - 2.
  - 3.
  - 4.

Question ID : 630680334738  
Option 1 ID : 6306801302210  
Option 2 ID : 6306801302212  
Option 3 ID : 6306801302209  
Option 4 ID : 6306801302211  
Status : Answered  
Chosen Option : 3



Q.66

- Ans  1. 6.67 V  
 2. 7.67 V  
 3. 8.50 V  
 4. 7.50 V

Question ID : 630680502517  
Option 1 ID : 6306801963653  
Option 2 ID : 6306801963651  
Option 3 ID : 6306801963650  
Option 4 ID : 6306801963652  
Status : Not Attempted and Marked For Review  
Chosen Option : --

Q.67 If the field winding, armature winding are connected in parallel and the combination is connected in parallel with the supply, then this is called a \_\_\_\_\_.

- Ans  1. shunt motor  
 2. long shunt compound motor  
 3. series motor  
 4. short shunt compound motor

Question ID : 630680503393  
Option 1 ID : 6306801967153  
Option 2 ID : 6306801967156  
Option 3 ID : 6306801967154  
Option 4 ID : 6306801967155  
Status : Answered  
Chosen Option : 2

Q.68 In a parallel circuit, if 'n' resistors, each of 'R'  $\Omega$ , are connected in parallel, then the total resistance is equal to \_\_\_\_\_.

- Ans  1.  $(R^2)/n$   
 2.  $R/n$   
 3.  $R \times n$   
 4.  $R + n$

Question ID : 630680504235  
Option 1 ID : 6306801970504  
Option 2 ID : 6306801970502  
Option 3 ID : 6306801970501  
Option 4 ID : 6306801970503  
Status : Answered  
Chosen Option : 2



**Q.69** The starting torque of a slip ring induction motor is maximum when rotor resistance/phase is \_\_\_\_\_ rotor reactance/phase.

- Ans**
- 1. equal to
  - 2. more than
  - 3. less than
  - 4. not equal to

Question ID : **630680509563**  
Option 1 ID : **6306801991524**  
Option 2 ID : **6306801991521**  
Option 3 ID : **6306801991522**  
Option 4 ID : **6306801991523**  
Status : **Answered**  
Chosen Option : **1**

**Q.70** The susceptance of the circuit given in the diagram is \_\_\_\_\_.

- Ans**
- 1.
  - 2.
  - 3.
  - 4.

Question ID : **630680328970**  
Option 1 ID : **6306801279835**  
Option 2 ID : **6306801279836**  
Option 3 ID : **6306801279833**  
Option 4 ID : **6306801279834**  
Status : **Not Attempted and Marked For Review**  
Chosen Option : **--**

**Q.71** The energy consumed by a  $5\Omega$  resistor carrying a 20A current in 10 minutes will be \_\_\_\_\_.

- Ans**
- 1. 1200 KJ
  - 2. 120 KJ
  - 3. 2000 J
  - 4. 120 J

Question ID : **630680504205**  
Option 1 ID : **6306801970383**  
Option 2 ID : **6306801970382**  
Option 3 ID : **6306801970381**  
Option 4 ID : **6306801970384**  
Status : **Answered**  
Chosen Option : **1**

**Q.72** Which of the following statements about equivalent circuit with core losses of single-phase motor is/are true?

1. The current drawn by the induction motor when it is not coupled to the driven equipment is called no load current of the motor.
2. The no load current produces the magnetic field in the motor.

- Ans**
- 1. Both 1 and 2 are true
  - 2. Only 2 is true
  - 3. Both 1 and 2 are not true
  - 4. Only 1 is true

Question ID : 630680315926  
Option 1 ID : 6306801229375  
Option 2 ID : 6306801229374  
Option 3 ID : 6306801229376  
Option 4 ID : 6306801229373  
Status : Answered  
Chosen Option : 1

**Q.73** In the context of magnetic circuits, if a bar magnet is kept on a paper and iron filings are sprinkled around the magnet, then the iron filings form into closed lines. These lines are called lines of \_\_\_\_\_.

- Ans**
- 1. magnetic angle
  - 2. magnetic flux
  - 3. magnetic motive force
  - 4. magnetic fringing

Question ID : 630680504211  
Option 1 ID : 6306801970408  
Option 2 ID : 6306801970406  
Option 3 ID : 6306801970407  
Option 4 ID : 6306801970405  
Status : Answered  
Chosen Option : 2

**Q.74** Choose the correct alternative regarding an electric iron.

- Ans**
- 1. The heating element is made up of Chromium.
  - 2. The thermostat used in an electric iron makes use of a single metal strip.
  - 3. Magnesium oxide powder is used for insulation purposes of the heating element.
  - 4. Halogen bulbs are used in an electric iron.

Question ID : 630680504255  
Option 1 ID : 6306801970581  
Option 2 ID : 6306801970584  
Option 3 ID : 6306801970582  
Option 4 ID : 6306801970583  
Status : Answered  
Chosen Option : 1



**Q.75** In a single-phase induction motor core loss is neglected. The exciting branch is only consisting of:

- Ans**
- 1. no load resistance
  - 2. exciting reactance
  - 3. load reactance
  - 4. load resistance

Question ID : 630680315927  
Option 1 ID : 6306801229377  
Option 2 ID : 6306801229378  
Option 3 ID : 6306801229380  
Option 4 ID : 6306801229379  
Status : **Not Attempted and Marked For Review**  
Chosen Option : --

**Q.76**

- Ans**
- 1. 10 H
  - 2. 8 H
  - 3. 0.08 H
  - 4. 8 mH

Question ID : 630680504175  
Option 1 ID : 6306801970264  
Option 2 ID : 6306801970261  
Option 3 ID : 6306801970263  
Option 4 ID : 6306801970262  
Status : **Answered**  
Chosen Option : 4

**Q.77** In an electrostatic instrument, the controlling torque can be adjusted by:

- I. Changing the spring constant
- II. Changing the length of the pointer needle
- III. Changing the distance between the plates
- IV. Changing the position of the instrument

- Ans**
- 1. Only I and III
  - 2. Only III and IV
  - 3. Only I and II
  - 4. Only I and IV

Question ID : 630680509365  
Option 1 ID : 6306801990749  
Option 2 ID : 6306801990748  
Option 3 ID : 6306801990747  
Option 4 ID : 6306801990750  
Status : **Answered**  
Chosen Option : 3



**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.78** A particular consumer has loads of 200 kW, 400 kW and 300 kW, which are operating continuously. If the maximum demand of the consumer is 600 kW, find the demand factor of the system.

- Ans
- 1. 33.33%
  - 2. 42.5%
  - 3. 16.67%
  - 4. 66.67%

Question ID : 630680509421  
Option 1 ID : 6306801990953  
Option 2 ID : 6306801990955  
Option 3 ID : 6306801990956  
Option 4 ID : 6306801990954  
Status : Answered  
Chosen Option : 4

**Q.79** In an electrical circuit, the sum of EMFs of all the sources met on the way plus the voltage drops in the resistances must be zero. This can be explained by \_\_\_\_.

- Ans
- 1. Laplace's law
  - 2. Kirchhoff's current law
  - 3. Ohm's law
  - 4. Kirchhoff's voltage law

Question ID : 630680504253  
Option 1 ID : 6306801970575  
Option 2 ID : 6306801970573  
Option 3 ID : 6306801970576  
Option 4 ID : 6306801970574  
Status : Answered  
Chosen Option : 4

**Q.80** What is the drawback of a Permanent Magnet Moving Coil (PMMC) instrument?

- Ans
- 1. High power consumption
  - 2. Low torque / weight ratio
  - 3. Relatively high-cost as compared to moving iron instruments
  - 4. Absence of effective and efficient current damping

Question ID : 630680509391  
Option 1 ID : 6306801990851  
Option 2 ID : 6306801990853  
Option 3 ID : 6306801990852  
Option 4 ID : 6306801990854  
Status : Answered  
Chosen Option : 3

**Q.81** In case of a p-n junction diode, the change in temperature due to heating \_\_\_\_\_.

- Ans
- 1. affects the entire V-I characteristics of the p-n junction diode
  - 2. affects only the forward resistance of the p-n junction diode
  - 3. causes no change in the resistance of the p-n junction diode
  - 4. affects only the reverse resistance of the p-n junction diode

Question ID : 630680502503  
Option 1 ID : 6306801963596  
Option 2 ID : 6306801963597  
Option 3 ID : 6306801963594  
Option 4 ID : 6306801963595  
Status : Marked For Review  
Chosen Option : 1



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**Q.82** In a solar power plant, the output terminals of the solar photo-voltaic array can be directly connected to the \_\_\_\_\_.

- Ans**
- 1. AC bus bar
  - 2. AC load
  - 3. AC to DC converter
  - 4. DC bus bar

Question ID : 630680333495  
Option 1 ID : 6306801297253  
Option 2 ID : 6306801297254  
Option 3 ID : 6306801297256  
Option 4 ID : 6306801297255  
Status : Answered  
Chosen Option : 4

**Q.83** Which of the following statements is correct for the radial distribution network's distributors load change?

- Ans**
- 1. The consumer situated at the middle of the distributor will be subjected with serious voltage fluctuations.
  - 2. The consumer situated at very close to the distributor will be subjected with serious voltage fluctuations.
  - 3. No consumer in the distribution network will be subjected with any voltage fluctuations.
  - 4. The consumer situated at the distant end of the distributor will be subjected with serious voltage fluctuations.

Question ID : 630680503850  
Option 1 ID : 6306801968963  
Option 2 ID : 6306801968962  
Option 3 ID : 6306801968964  
Option 4 ID : 6306801968961  
Status : Answered  
Chosen Option : 4

**Q.84** The current amplification factor for a transistor in a common base configuration is 0.75. If the emitter current is 4A, find the base current.

- Ans**
- 1. 1 A
  - 2. 0 A
  - 3. 5 A
  - 4. 3 A

Question ID : 630680504188  
Option 1 ID : 6306801970314  
Option 2 ID : 6306801970315  
Option 3 ID : 6306801970316  
Option 4 ID : 6306801970313  
Status : Answered  
Chosen Option : 1

**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.85** Which of the following plays a vital role in the determination of sending end and receiving end voltage in ring main AC distribution scheme?

- Ans
- 1. Eddy current loss
  - 2. Hysteresis loss
  - 3. Power factor
  - 4. Breakdown voltage of a distribution transformer oil

Question ID : 630680503842  
Option 1 ID : 6306801968930  
Option 2 ID : 6306801968931  
Option 3 ID : 6306801968929  
Option 4 ID : 6306801968932  
Status : Answered  
Chosen Option : 3

**Q.86** To determine the voltage regulation of synchronous generators, the direct load test is suitable only for alternators with power rating:

- Ans
- 1. less than 2 kVA
  - 2. more than 5 kVA
  - 3. less than 5 kVA
  - 4. less than 3 kVA

Question ID : 630680337164  
Option 1 ID : 6306801311378  
Option 2 ID : 6306801311379  
Option 3 ID : 6306801311377  
Option 4 ID : 6306801311380  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.87** In a transistor, the \_\_\_\_\_ region is the widest and the \_\_\_\_\_ region is the thinnest of all.

- Ans
- 1. base; collector
  - 2. collector; emitter
  - 3. collector; base
  - 4. emitter; base

Question ID : 630680502528  
Option 1 ID : 6306801963695  
Option 2 ID : 6306801963697  
Option 3 ID : 6306801963696  
Option 4 ID : 6306801963694  
Status : Answered  
Chosen Option : 4



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)



**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.88** Which of the following coefficients provides the relationship between the electric field intensity and the transmitted wave to the incident wave in the medium of origin?

- Ans
- 1. Fresnel reflection
  - 2. Field reflection
  - 3. Free space
  - 4. Signal attenuation

Question ID : 630680333491  
Option 1 ID : 6306801297239  
Option 2 ID : 6306801297237  
Option 3 ID : 6306801297238  
Option 4 ID : 6306801297240  
Status : Not Answered  
Chosen Option : --

**Q.89** In terms of heating effect of electric appliances, what is the percentage of chromium in the stainless steel coils used in space heaters?

- Ans
- 1. 15% to 19%
  - 2. 17% to 23%
  - 3. 13% to 26%
  - 4. 10% to 20%

Question ID : 630680504170  
Option 1 ID : 6306801970242  
Option 2 ID : 6306801970244  
Option 3 ID : 6306801970243  
Option 4 ID : 6306801970241  
Status : Not Attempted and Marked For Review  
Chosen Option : --

**Q.90** Rotor current frequency = Fractional slip × \_\_\_\_\_

- Ans
- 1. No. of poles
  - 2. Rotor speed
  - 3. Supply frequency
  - 4. EMF

Question ID : 630680509553  
Option 1 ID : 6306801991481  
Option 2 ID : 6306801991483  
Option 3 ID : 6306801991482  
Option 4 ID : 6306801991484  
Status : Answered  
Chosen Option : 3



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.91** In a drive system, which requires a high starting torque, which of the following electric motors is more suitable?

- Ans**
- 1. Double cage induction motor
  - 2. DC Series motor
  - 3. Synchronous motor
  - 4. DC cumulative compound motor

Question ID : 630680381590  
Option 1 ID : 6306801487294  
Option 2 ID : 6306801487293  
Option 3 ID : 6306801487292  
Option 4 ID : 6306801487291  
Status : Answered  
Chosen Option : 2

**Q.92** The ring main distribution system is preferred over radial distribution system because \_\_\_\_\_.

- Ans**
- 1. there is no requirement of distribution transformer
  - 2. there is no Ohmic loss
  - 3. it always possesses unity power factor
  - 4. it has fewer voltage fluctuation at consumers side

Question ID : 630680503816  
Option 1 ID : 6306801968828  
Option 2 ID : 6306801968827  
Option 3 ID : 6306801968826  
Option 4 ID : 6306801968825  
Status : Answered  
Chosen Option : 3

**Q.93** In CRO, the measurement of time period is obtained by the product of the number of divisions occupied by one cycle and \_\_\_\_\_.

- Ans**
- 1. Division/time
  - 2. Time/cycle
  - 3. Time/Division
  - 4. Division/cycle

Question ID : 630680217925  
Option 1 ID : 630680845607  
Option 2 ID : 630680845610  
Option 3 ID : 630680845609  
Option 4 ID : 630680845608  
Status : Answered  
Chosen Option : 3



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**Q.94** Which of the following statements is/are correct regarding superposition theorem?

- (a) It can be used to calculate voltage, current and power.
- (b) It can be used to calculate voltage and current in a circuit containing resistor, capacitor, inductor and diode.
- (c) It can be used to calculate current in a circuit having linear elements resistor, capacitor and inductor.

- Ans
- 1. (a), (b) and (c)
  - 2. (a) and (b) only
  - 3. (c) only
  - 4. (c) and (b) only

Question ID : 630680209176

Option 1 ID : 630680810920

Option 2 ID : 630680810919

Option 3 ID : 630680810922

Option 4 ID : 630680810921

Status : **Not Attempted and Marked For Review**

Chosen Option : --

**Q.95** A 3-phase voltage of 220 V is applied to a balanced, delta-connected, 3-phase, purely resistive load. Calculate the ratio of the reactive power to the active power.

- Ans
- 1. 2
  - 2. 0
  - 3. 1
  - 4. 0.5

Question ID : 630680504474

Option 1 ID : 6306801971460

Option 2 ID : 6306801971457

Option 3 ID : 6306801971458

Option 4 ID : 6306801971459

Status : **Answered**

Chosen Option : 2

**Q.96** Select the correct statement regarding coal-fired boilers.

- Ans
- 1. Fire-tube boilers are typically used for high-pressure applications.
  - 2. Water-tube boilers are less expensive compared to fire-tube boilers.
  - 3. Water-tube boilers are more efficient than fire-tube boilers.
  - 4. Fire-tube boilers have higher thermal efficiency compared to water-tube boilers.

Question ID : 630680509413

Option 1 ID : 6306801990921

Option 2 ID : 6306801990922

Option 3 ID : 6306801990924

Option 4 ID : 6306801990923

Status : **Not Attempted and Marked For Review**

Chosen Option : --



**CICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES**

**Q.97** As per the diffusion principle of street lighting installations, which of the following methods is used to calculate the illumination at any point on the road surface?

- Ans
- 1. Light flux method
  - 2. Watt per square metre method
  - 3. Specular reflection method
  - 4. Inverse-square law method

Question ID : 630680363647  
Option 1 ID : 6306801416335  
Option 2 ID : 6306801416334  
Option 3 ID : 6306801416333  
Option 4 ID : 6306801416336  
Status : Answered  
Chosen Option : 4

**Q.98**

- Ans
- 1. 1000 W
  - 2. 1536 W
  - 3. 1024 W
  - 4. 3456 W

Question ID : 630680504187  
Option 1 ID : 6306801970312  
Option 2 ID : 6306801970309  
Option 3 ID : 6306801970311  
Option 4 ID : 6306801970310  
Status : Answered  
Chosen Option : 2

**Q.99** The average demand of a plant is 55 MW. Find the maximum energy that can be produced if the plant is running at full load according to the operating schedule. The plant use factor is 60%.

- Ans
- 1. 792 MWh
  - 2. 2200 MWh
  - 3. 33 MWh
  - 4. 92 MWh

Question ID : 630680509416  
Option 1 ID : 6306801990933  
Option 2 ID : 6306801990935  
Option 3 ID : 6306801990936  
Option 4 ID : 6306801990934  
Status : Not Attempted and Marked For Review  
Chosen Option : --



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)

**[CLICK TO DOWNLOAD : SSC JUNIOR ENGINEER PDF NOTES](#)**

Q.100 A lamp of 80 watt with efficiency of 80% of watt/CP is suspended, The illumination at a point on a working plane directly below the lamp is 25 lumens/m<sup>2</sup>. Determine the height at which the lamp is suspended?

- Ans
- 1. 1.6 meters
  - 2. 3.2 meters
  - 3. 4 meters
  - 4. 2 meters

Question ID : 630680389668

Option 1 ID : 6306801519130

Option 2 ID : 6306801519132

Option 3 ID : 6306801519133

Option 4 ID : 6306801519131

Status : Not Answered

Chosen Option : --



**Download SSC CGL, CHSL E-BOOKS**

[CLICK HERE](#)