SSC JE (Electrical) Similar Paper (Held On: 03 Dec, 2025 Shift 2)

Q1. In the following triads, each group of letters is related to the subsequent one following a certain logic. Select from the given options, the one which follows the same logic.
SAIN - ANIS - NIAS
COIN - ONIC - NIOC
(a) YOUR - YUOR - RUOY
(b) MACE - AMCE - EACM
(c) MILE - IELM - ELIM
(d) FEAT - EFAT - TEAF
Ans.(c)

Q2. 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 marks are tattoo.
No tattoo is a painting.
Conclusions:
(I): Some marks are painting.
(II): Some tattoo are mark.
(a) Neither conclusion (I) nor (II) follows.
(b) Both conclusions (I) and (II) follow.
(c) Only conclusion (I) follows.
(d) Only conclusion (II) follows.
Ans.(d)

Q3. 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 conclusion(s) logically follow(s) from the statements.
Statements:
All sharks are salmons.
Some salmons are tunas.
Conclusions:
I. Some sharks are tunas.
II. No tunas are sharks.
(a) Neither conclusion (I) nor (II) follows.
(b) Both conclusions (I) and (II) follow.
(c) Only conclusion (II) follows.
(d) Only conclusion (I) follows.
Ans.(a)

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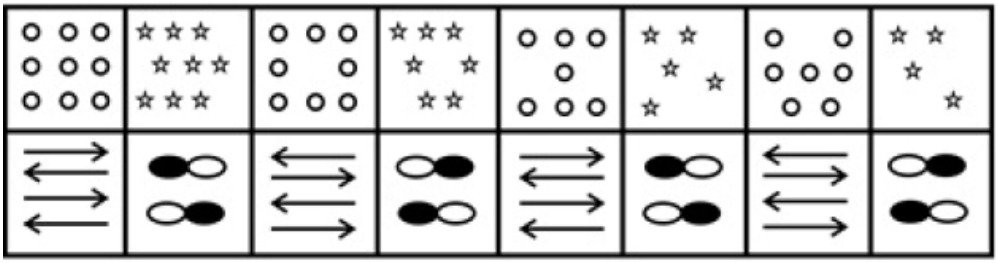
Q4. In a certain code language,
'A = B' means 'A is the mother of B',
'A $ B' means 'A is the brother of B',
'A @ B' means 'A is the wife of B' and
'A * B' means 'A is the father of B'.
How is W related to R if W = A $ C @ D * R?
(a) Mother's mother
(b) Mother's sister
(c) Sister
(d) Mother
Ans.(a)

Q5. In a row of people all facing north, Mukul is 5th from the right end. Alok is 10th from the right end. Alok is exactly between Mukul and Rohan. If Rohan is 6th from the left end of the line, how, many people are there in the row?
(a) 20
(b) 23
(c) 26
(d) 24
Ans.(a)

Q6. Select the option that is related to the third term on the same basis as the second term is related to the first term.
9 : 162 :: 11 : ?
(a) 121
(b) 242
(c) 143
(d) 220
Ans.(b)

Q7. Seven boxes A, B, C, D, E, F and G are kept one over the other but not necessarily in the same order. Only B is kept above C. Only two boxes are kept between C and A. Only E is kept below F. G is not kept immediately above A. How many boxes are kept below A?
(a) 1
(b) 3
(c) 2
(d) 4
Ans.(c)

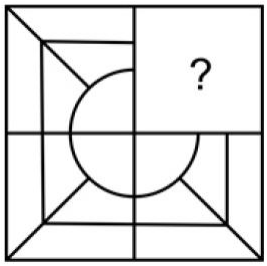
Q8. Which of the following options is the wrong figure in the series?



(a) Image A
(b) Image B
(c) Image C
(d) Image D
Ans.(d)

Q9. What should come in place of the question mark (?) in the given series?
7, 10, 16, 28, 52, ?
(a) 99
(b) 104
(c) 100
(d) 102
Ans.(c)

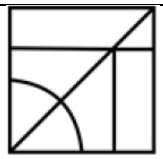
Q10. Which of the following answer figure patterns can be combined to complete the question figure?



(a)

(b)

(c)

(d) 

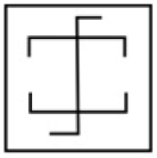
Ans.(c)

Q11. If yellow is pink, pink is orange, orange is black, black is white, white is violet, violet is blue, blue is indigo, then which among the following can be the colour of an ant?

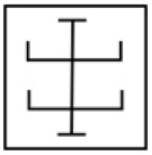
(a) White
(b) Black
(c) Violet
(d) Blue

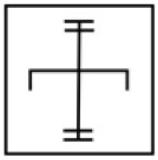
Ans.(a)

Q12. From the given answer figures, select the one in which the question figure is hidden/embedded.

(a) 

(b)

(c) 

(d) 

Ans.(c)

Q13. A cube is painted red on two adjacent faces, blue on other two adjacent faces and green on the last two adjacent faces. This cube is cut into 16 smaller cubes. How many of these smaller cubes will have one face blue, the other face green and no colour on the remaining faces?

(a) 9
(b) 8
(c) 4
(d) 6

Ans.(c)

Q14. In the following number-pairs, the second number is obtained by applying certain mathematical operation(s) to the first number. Select the number-pair in which the numbers are related in the same way as are the numbers of the following pairs.
(NOTE: Operations should be performed on the whole numbers, without breaking down the numbers into their constituent digits. E.g. 13 – Operations on 13 such as adding to/subtracting from/multiplying with 13 can be performed. Breaking down 13 into 1 and 3 and then performing mathematical operations on 1 and 3 is not allowed.)
9, 108
16, 192
(a) 14, 154
(b) 6, 66
(c) 12, 162
(d) 11, 132
Ans.(d)

Q15. If 1 is added to each odd digit and 4 is subtracted from each even digit in the number 6854376, which of the following digits will be third from the right?
(a) 6
(b) 4
(c) 0
(d) 8
Ans.(b)

Q16. ORJN is related to ILDH in a certain way based on the English alphabetical order. In the same way, MPHL is related to GJBF. To which of the given options is TWOS related, following the same logic?
(a) QNMI
(b) QNIM
(c) NQMI
(d) NQIM
Ans.(d)

Q17. B starts from Point A and drives 16 km towards the south. He then takes a right turn and drives 12 km, then turns right and drives 19 km. He then takes a right turn and drives 21 km. He takes a final right turn, drives 3 km and stops at Point P. How far (shortest distance) and in which direction should he drive in order to reach Point A again? (All turns are 90-degree turns only unless specified.)
(a) 4 km to the north
(b) 7 km to the east
(c) 9 km to the west
(d) 5 km to the west
Ans.(c)

Q18. What should come in place of the question mark (?) in the given series?
981, 982, 986, 995, 1011, ?
(a) 1026
(b) 1036
(c) 1021
(d) 1031
Ans.(b)

Q19. What should come in place of the question mark (?) in the given series based on the English alphabetical order?
WXA, UWB, SVC, QUD, OTE, ?
(a) MRF
(b) LRF
(c) MSF
(d) MRE
Ans.(c)

Q20. A, B, C, D, E, F and G are sitting around a circular table facing the centre. B sits second to the right of A. G sits second to the right of B. C is the immediate neighbour of E and G. D sits second to the right of E. How many people sit between F and E when counted from the left of E?
(a) Five
(b) Three
(c) Four
(d) Two
Ans.(d)

Q21. Based on the English alphabetical order, three of the following four letter-clusters are alike in a certain way and thus form a group. Which letter-cluster DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/ vowels or their position in the letter-cluster.)
(a) FMH
(b) KRM
(c) DKE
(d) HOJ
Ans.(c)

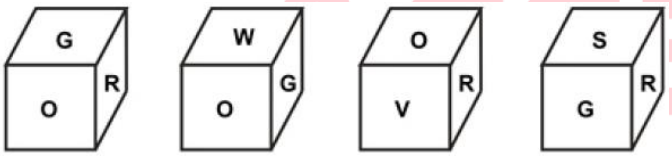
Q22. Refer to the following number, symbol series and answer the question. Counting to be done from left to right only.
(Left) 9 8 6 1 8 8 2 ^ ^ $ $ > 5 ^ 6 ^ 4 8 # 6 @ (Right)
How many such symbols are there each of which is immediately preceded by a number and also immediately followed by another symbol?
(a) Two
(b) One
(c) Four
(d) Three
Ans.(b)

Q23. Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.
(a) Rooster
(b) Mare
(c) Bull
(d) Tiger
Ans.(d)

Q24. Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.
(a) Door : Window
(b) Shoes : Shirt
(c) Pencil : Eraser
(d) Question : Answer
Ans.(b)

Q25. If 'P' stands for 'x', 'Q' stands for '÷', 'R' stands for '–' and 'S' stands for '+', then what will come in place of the question mark (?) in the following equation?
(63 P 2) R (24 P 3) S (98 Q 2) R (48 Q 3) R 3 = ?
(a) 98
(b) 84
(c) 122
(d) 104
Ans.(b)

Q26. In the following question, four position of the same dice is given. Which letter will be at the face opposite to the face having the letter G?

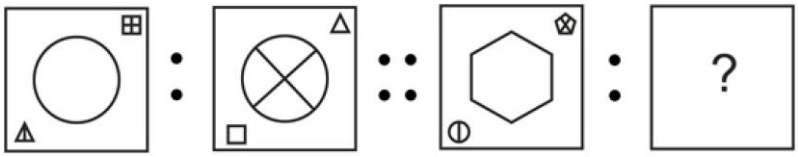


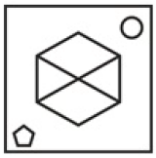
(a) V
(b) S
(c) R
(d) O
Ans.(a)

Q27. Which of the following letter-number clusters will replace the question mark (?) in the given series to make it logically complete?
FIB27, GJC38, HKD49, ILE60, ?
(a) JMF71
(b) JME70
(c) JME71
(d) JMF70
Ans.(a)

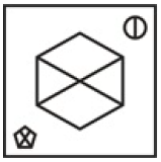
Q28. Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/ vowels or their position in the letter-cluster.)
(a) UQ-VR
(b) QM-RO
(c) SO-TQ
(d) WS-XU
Ans.(a)

Q29. Select the option that is related to the third image on the same basis as the second image is related to the first image.



(a) 

(b)

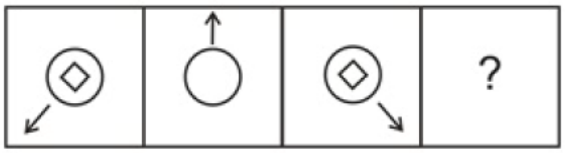
(c) 

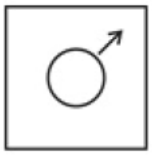
(d)

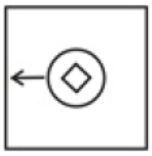
Ans.(a)

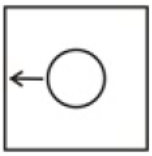
Q30. Select the option that is related to the third term on the same basis as the second term is related to the first term.
MSG : RNL :: UGO : ?
(a) YAS
(b) ZBT
(c) WYQ
(d) XCS
Ans.(b)

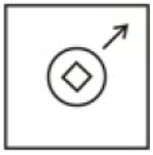
Q31. Which of the following answer figure completes the series of the question figure?



(a) 

(b) 

(c) 

(d) 

Ans.(c)

Q32. Arrange the following in a logical sequence:
1. Elephant 2. Rat 3. Cat 4. Lion 5. Sheep
(a) 5, 3, 4, 1, 2
(b) 1, 3, 2, 5, 4
(c) 2, 3, 5, 4, 1
(d) 2, 3, 4, 5, 1
Ans.(c)

Q33. In a certain code language, 'DRUM' is coded as '2194' and 'CURD' is coded as '4592'. What is the code for 'C' in the given code language?
(a) 2
(b) 5
(c) 9
(d) 4
Ans.(b)

Q34. What should come in place of the question mark (?) in the given series?
316, 288, 262, 238, 216, ?
(a) 185
(b) 205
(c) 196
(d) 172

Ans.(c)

Q35. If 1 is added to each even digit of the number 85624179, find the sum of the digits that are repeated more than once in the new number thus formed.
(a) 12
(b) 16
(c) 14
(d) 21
Ans.(d)

Q36. If + means 'subtraction', - means 'division', ÷ means 'multiplication', x means 'addition', then what will come in place of the question mark (?) in the following equation?
49 – 1 × 480 + 40 ÷ 6 = ?
(a) 291
(b) 289
(c) 292
(d) 290
Ans.(b)

Q37. Select the option that is related to the third term on the same basis as the second term is related to the first term.
Sink : Down :: Anger : ?
(a) Pacify
(b) Rage
(c) Pleasure
(d) Placate
Ans.(b)

Q38. Out of the given options, three are similar in a certain manner. However, one option is NOT like the other three. Select the option which is different from the rest.
(a)
(b)
(c)
(d)
Ans.(d)

Q39. Seven people, I, J, K, L, M, N and O, are sitting in a row, facing north. No one sits to the right of K. Only three people sit between K and J. Only two people sit between J and I. L sits third to the left of O. M sits to the immediate right of O. How many people sit between N and I?
(a) Three
(b) One
(c) Four
(d) Two
Ans.(a)

Q40. Sukesh starts from Point Y and drives 25 km towards south. He then takes a left turn, drives 7 km. He then turns right and drives 5 km. He takes a final right turn, drives 7 km and stops at Point Z. How far (shortest distance) and towards which direction should he drive in order to reach Point Y again? (All turns are 90° turns only unless specified.)
(a) 30 km towards north
(b) 7 km towards west
(c) 14 km towards south
(d) 25 km towards east
Ans.(a)

Q41. Complete the following series:
G2I, L4N, Q8S, V16X, ?
(a) B24D
(b) Z24B
(c) Y32A
(d) A32C
Ans.(d)

Q42. Select the option that is related to the third term on the same basis as the second term is related to the first term.
Cricket : Ball :: Badminton : ?
(a) Pitch
(b) Court
(c) Shuttle
(d) Flick
Ans.(c)

Q43. In a certain code language, 'TALK' is coded as '5327' and 'LINE' is coded as '6143'. What is the code for 'L' in the given code language?
(a) 2
(b) 6
(c) 4
(d) 3
Ans.(d)

Q44. BSWK is related to GXTH in a certain way based on the English alphabetical order. In the same way, LCCE is related to QHZB. To which of the given options is VMKY related, following the same logic?
(a) AQIW
(b) BSGV
(c) ARHV
(d) ZRFU
Ans.(c)

Q45. Complete the following number series:
242, 254, 236, 248, 230, ?
(a) 218
(b) 248
(c) 212
(d) 242
Ans.(d)

Q46. In a row of 49 students facing north, Amir is 22nd from the right end. If Tarun is 23rd to the left of Amir, what is Tarun's position from the left end of the line?
(a) 3rd
(b) 5th
(c) 4th
(d) 6th
Ans.(b)

Q47. Based on the English alphabetical order, three of the following four letter-cluster pairs are alike in a certain way and thus form a group. Which letter-cluster pair DOES NOT belong to that group?
(Note: The odd one out is not based on the number of consonants/ vowels or their position in the letter-cluster pair.)
(a) KO-ON
(b) CG-FG
(c) AE-DE
(d) SW-VW
Ans.(a)

Q48. This question is based on the five, three-digit numbers given below.
(Left) 716 893 279 546 182 (Right)
(Example: 697 – First digit = 6, second digit = 9 and third digit = 7)
(NOTE: All operations to be done from left to right.)
If the given numbers are rearranged in descending order, what is the third digit of the fourth number from the left extreme end?
(a) 4
(b) 9
(c) 6
(d) 7

Ans.(b)

Q49. If BRAND is coded as 5–21–4–17–7, then what is the code for EMPTY?
(a) 9–17–20–24–29
(b) 8–16–19–23–28
(c) 5–13–16–20–25
(d) 6–14–17–21–26
Ans.(b)

Q50. Find the missing term in the following series:
IGE, HFD, GEC, ?
(a) FAD
(b) FDB
(c) FDA
(d) FBD
Ans.(b)

Q51. Dancing postures of the Chowk and the Tribhanga are associated with which classical dance form?
(a) Odissi
(b) Kathakali
(c) Bharatnatyam
(d) Kuchipudi
Ans.(a)

Q52. According to Census of India 2011, which of the following states recorded the least population?
(a) Tamil Nadu
(b) Gujarat
(c) Sikkim
(d) Punjab
Ans.(c)

Q53. The inlet of the Bay of Bengal between south-eastern India and northern Sri Lanka is called:
(a) Palk Strait
(b) Palk Passage
(c) Palk Channel
(d) Palk Canal
Ans.(a)

Q54. India was ranked at which position in the Global Peace Index, 2026?
(a) 111th
(b) 121st
(c) 127th
(d) 132nd

Ans.(c)

Q55. In which of the following cities is the Indian Institute of Tropical Meteorology located?
(a) Pune
(b) Mumbai
(c) Delhi
(d) Kochi
Ans.(a)

Q56. Match List-I (Industrial Centre) with List-II (Associated Industry) and select the correct answer:
List-I (Industrial Centre)
A. Titagarh
B. Khetri
C. Renukoot
D. Bhilai
List-II (Industry)
1. Aluminium
2. Iron and Steel
3. Paper
4. Copper
Code:
(a) A-3, B-4, C-1, D-2
(b) A-4, B-3, C-2, D-1
(c) A-1, B-2, C-3, D-4
(d) A-3, B-1, C-4, D-2
Ans.(a)

Q57. The Rajya Sabha consists of
(a) 252 members of which 12 members are nominated by the President of India
(b) 275 members of which 18 members are nominated by the President of India
(c) 250 members of which 12 members are nominated by the President of India
(d) 280 members of which 20 members are nominated by the President of India
Ans.(c)

Q58. The UN's Sustainable Development Goal 6 aims to _____
(a) ensure availability and sustainable management of water and sanitation for all
(b) take urgent action to combat climate change and its impact
(c) ensure healthy lives and promote well-being for all at all ages
(d) end poverty in all forms everywhere
Ans.(a)

Q59. Who was the President of the first annual session of the Indian National Congress?
(a) AO Hume
(b) Dadabhai Naoroji
(c) WC Banerjee
(d) Surendra Nath Banerjee
Ans.(c)

Q60. PM SVANidhi scheme, which completed six years in May 2026, is mainly aimed at benefiting which group?
(a) Small farmers
(b) Street vendors
(c) Self-help groups
(d) Industrial workers
Ans.(b)

Q61. Match the Constitutional Amendment with its key feature:
1. 42nd Amendment Act - Added Fundamental Duties
2. 44th Amendment Act - Restored certain Emergency provisions
3. 73rd Amendment Act - Panchayati Raj Institutions
(a) 1–Right to Property removed from Fundamental Rights, 2–Added Fundamental Duties, 3–Panchayati Raj
(b) 1–Added Fundamental Duties, 2–Restored certain Emergency provisions, 3–Panchayati Raj Institutions
(c) 1–Panchayati Raj, 2–Added Fundamental Duties, 3–Emergency provisions
(d) 1–Emergency provisions strengthened, 2–Panchayati Raj, 3–Added Fundamental Duties
Ans.(b)

Q62. According to the Henley Passport Index May 2026, India ranked _____ with visa-free and easier-entry access to _____ destinations.
(a) 75th, 57 destinations
(b) 80th, 50 destinations
(c) 78th, 56 destinations
(d) 85th, 60 destinations
Ans.(c)

Q63. Baiga is a folk music of Baiga Tribe from which of the following states?
(a) Uttarakhand
(b) Assam
(c) Bihar
(d) Madhya Pradesh
Ans.(d)

Q64. Which of the following statements is/are correct regarding World Press Freedom Day 2026?
1. It is observed annually on May 3 to promote freedom of expression.
2. The day was proclaimed by the United Nations General Assembly in 1993.
3. The 2026 theme was “Shaping a Future at Peace”.
4. India ranked 1st in the World Press Freedom Index 2026.
(a) 1, 2 and 3 only
(b) 1 and 4 only
(c) 2 and 3 only
(d) 1, 2, 3 and 4

Ans.(a)

Q65. Which one of the following Indian musical instruments is traditionally made of buffalo horn?
(a) Kurum Kuzhal
(b) Nadaswaram
(c) Pungi
(d) Pepa
Ans.(d)

Q66. Which one of the following is not correctly matched ?
(a) Anand Math -Bankim Chandra Chatterjee
(b) India Wins Freedom -Surendranath Bannerjee
(c) Poverty and Un British Rule in India - Dadabhai Naoroji
(d) Unhappy India -Lala Lajpat Rai
Ans.(b)

Q67. What is the drainage pattern of the rivers originating from the Northern Plains?
(a) Radial
(b) Dendritic
(c) Centripetal
(d) Trellis
Ans.(b)

Q68. With reference to the constitutional remedies under the Indian Constitution, consider the following statements:
1. The right guaranteed under Article 32 itself forms a Fundamental Right.
2. Article 226 empowers High Courts to issue writs only for the enforcement of Fundamental Rights.
3. The jurisdiction of High Courts under Article 226 is wider than that of the Supreme Court under Article 32.
Which of the statements given above is/are correct?
(a) 1 and 3 only
(b) 2 and 3 only
(c) 1 only
(d) 1, 2 and 3
Ans.(a)

Q69. Which strait does Chabahar Port bypass, providing easier access to global trade routes?
(a) Strait of Malacca
(b) Strait of Gibraltar
(c) Strait of Hormuz
(d) Bab el-Mandeb Strait
Ans.(c)

Q70. Which dynasties ruled the Delhi Sultanate for the longest period of time?
(a) The Mamluk dynasty
(b) The Khalji dynasty
(c) The Tughlaq dynasty
(d) The Sayyid dynasty
Ans.(c)

Q71. In March 2026, the Union Cabinet approved the revamped UDAN Scheme. Consider the following statements:
1. It aims to improve air connectivity in underserved and unserved regions.
2. The scheme will be implemented from FY 2026-27 to FY 2035-36.
3. The total financial outlay is ₹28,840 crore.
4. It targets connecting around 120 new destinations.
(a) Only 1, 2 and 3
(b) Only 1, 3 and 4
(c) Only 2 and 4
(d) All of the above
Ans.(d)

Q72. Which of the following was Asia's first supercomputer?
(a) PARAM
(b) CRAY-3
(c) HITAC S-300
(d) EKA
Ans.(a)

Q73. What is the name of the research station set up by India in Antarctica in the year 2015?
(a) Hind
(b) Dhruva
(c) Sagarika
(d) Bharati
Ans.(d)

Q74. Which of the following tribes is the most populous and oldest tribe of India?
(a) Munda
(b) Bheel
(c) Baiga
(d) Santhal
Ans.(d)

Q75. Who among the following was the third Jain Tirthankara?
(a) Rishabhanatha
(b) Ajitnath
(c) Sambhavnath
(d) Sumatinath
Ans.(c)

Q76. Which Five Year Plan is often associated with a 'Rolling Plan' concept due to political changes?
(a) Sixth Plan
(b) Eighth Plan
(c) Fifth Plan
(d) Fourth Plan
Ans.(c)

Q77. Which amongst the following statements is correct about Mughal emperor Akbar?
(a) He was declared emperor in 1602.
(b) He founded a new religion called 'Din-e Ilahi'.
(c) He was highly educated and knew many languages.
(d) He fought and won the third battle of Panipat against the Hindu King Hemu.
Ans.(b)

Q78. The karakoram pass, the mountain pass which lies between India and China, is in close proximity to:
(a) Srinagar
(b) Pathankot
(c) Tawang
(d) Kargil
Ans.(d)

Q79. Which Article of the Constitution of India mentions that the State shall, in particular, direct its policy towards securing equal pay for equal work for both, men and women?
(a) Article 30
(b) Article 37
(c) Article 39
(d) Article 33
Ans.(c)

Q80. Which of the following Mauryan inscriptions is NOT located in present-day India?
(a) Kalsi
(b) Kandahar
(c) Maski
(d) Girnar
Ans.(b)

Q81. Right to privacy as a Fundamental Right is implied in _____.
(a) Right to Freedom
(b) Right to Life & Personal Liberty
(c) Right to Equality
(d) Right against Exploitation

Ans.(b)

Q82. Under which article is the Finance Commission constituted?
(a) 338
(b) 324
(c) 280
(d) 148
Ans.(c)

Q83. Under the Industrial Policy Resolution 1956, industries in India have been classified into how many categories?
(a) Two
(b) Three
(c) Four
(d) Five
Ans.(b)

Q84. Which Mughal ruler was responsible for the execution of Guru Tegh Bahadur in the year 1675?
(a) Aurangzeb
(b) Shahjahan
(c) Akbar
(d) Jahangir
Ans.(a)

Q85. The Union Parliament can make laws on subjects in the State List provided the resolution is supported by at least what proportion of members?
(a) Two-thirds of the members present and voting
(b) One-half of the members present and voting
(c) Two-thirds of the total membership of the House
(d) One-half of the total membership of the House
Ans.(a)

Q86. On the bank of now dry course of which river, the ancient city of Harappa was built?
(a) Gandak
(b) Ravi
(c) Kosi
(d) Yamuna
Ans.(b)

Q87. Which of the following Parts of the Indian constitution deals with District Judiciary of India?
(a) III
(b) IV
(c) V
(d) VI

Ans.(d)

Q88. What is the budgetary outlay of the Mobile Phone Manufacturing Scheme (MPMS) notified by MeitY in August 2026?
(a) Rs 25,000 crore
(b) Rs 40,000 crore
(c) Rs 62,500 crore
(d) Rs 75,000 crore
Ans.(c)

Q89. Recently, a bill on Uniform Civil Code (UCC) was introduced. Consider the following statements about UCC and identify thecorrect statement(s) from them.
1. The Uniform Civil Code in India Bill, 2020, was introduced in the Lok Sabha as a private member bill.
2. UCC refers to the same set of civil laws applicable to all the citizens of India in all the personal matters.
3. The provision for UCC in the Constitution of India is mentioned under Article 44.
(a) Only 1
(b) Only 1 and 3
(c) Only 2 and 3
(d) Only 3
Ans.(c)

Q90. The Krishna River is the _____ longest river in India.
(a) First
(b) Second
(c) Third
(d) Fourth
Ans.(c)

Q91. Which article of the Indian Constitution provides for the abolition or creation of Legislative Councils in the states?
(a) Article 226
(b) Article 169
(c) Article 213
(d) Article 243
Ans.(b)

Q92. The intricate overhanging balconies in Hawa Mahal are known by which architectural term?
(a) Jharokhas
(b) Chhatris
(c) Mandapas
(d) Iwans
Ans.(a)

Q93. What is the total literacy rate of Bihar according to the 2011 census of India?
(a) 65.8 percent
(b) 63.8 percent
(c) 61.8 percent
(d) 66.8 percent
Ans.(c)

Q94. The Rowlatt Act of 1919 granted the British colonial government the power to arrest and detains Indians without trial. Who was the British Viceroy of India at that time?
(a) Lord Dalhousie
(b) Lord Irwin
(c) Lord Chelmsford
(d) Lord Curzon
Ans.(c)

Q95. Which industrial region in India is historically renowned for its dominance in the iron and steel industry and is often referred to as the "Ruhr of India"?
(a) Chota Nagpur Industrial Region
(b) Mumbai–Pune Industrial Region
(c) Hugli Industrial Region
(d) Ahmedabad–Vadodara Industrial Region
Ans.(a)

Q96. Consider the following events and arrange them in chronological order :
I. Garibi Hatao
II. Nationalization of Banks
III. Beginning of the Green Revolution
Select the correct answer from the codes given below :
(a) III, II, I
(b) I, II, III
(c) II, I, III
(d) III, I, II
Ans.(a)

Q97. The IMEC is envisaged as a multi-modal corridor, which of the following modes of transport are its primary components?
(a) Air, Rail and Sea
(b) Road and Pipeline only
(c) Maritime and Rail only
(d) Air and Road only
Ans.(c)

Q98. Popular folk song 'Kajari' is popular in:
(a) Madhya Pradesh
(b) Uttar Pradesh
(c) Haryana
(d) Chhattisgarh
Ans.(b)

Q99. According to the Government of India factsheet released in July 2026, India ranks _____ globally in cotton cultivation area.
(a) 2nd
(b) 3rd
(c) 1st
(d) 4th
Ans.(c)

Q100. The Ashtapadis of jayadeva's Geeta Govinda are sung and danced in which of the following dance form?
(a) Yakshgana
(b) Bharat natyam
(c) Kathak
(d) Manipuri
Ans.(d)

Q101. A low demand factor in an electrical installation indicates that:
(a) Average electrical load remains equal to maximum system demand continuously
(b) Connected electrical load is much greater than maximum power demand
(c) Maximum electrical demand exceeds total connected electrical load capacity
(d) Individual consumer demands occur simultaneously during system operation
Ans.(b)

Q102. The deflecting torque Td in an electrodynamic instrument is proportional to _____.
(a) V^2I
(b) V^2
(c) I^2
(d) VI
Ans.(c)

Q103. In a common base transistor configuration. If IB = 0.11 mA and IE = 1.25 mA, then IC is:
(a) -1.08 mA
(b) -1.36 mA
(c) 1.06 mA
(d) 1.14 mA

Ans.(d)

Q104. In a star-delta connected 3-ϕ transformer, line voltage and line current of star side are 1kV, 100 respectively if the turns ratio of the transformer is 5. Then the line voltage line current respectively on delta side of transformer are

(a) $\frac{200}{\sqrt{3}}$ V, $\frac{500}{\sqrt{3}}$ A

(b) $\frac{5000}{\sqrt{3}}$ V, $500\sqrt{3}$A

(c) $\frac{200}{\sqrt{3}}$ V, $500\sqrt{3}$A

(d) $\frac{5000}{\sqrt{3}}$ V, $\frac{500}{\sqrt{3}}$ A

Ans.(c)

Q105. The energy in joules stored in the magnetic field of 0.15 H inductance with a 180 mAcurrent will be

(a) 2.43J

(b) 2.43×10^{-3}J

(c) 2.43×10^{-6}J

(d) 2.43×10^{-9}J

Ans.(b)

Q106. Which of the following is correct with reference to step up single-phase transformer?

(a) Turn ratio = Transformation ratio

(b) Turn ratio < Transformation ratio

(c) Turn ratio > Transformation ratio

(d) Turn ratio ≠ Transformation ratio

Ans.(b)

Q107. If the maximum current of a half-wave rectified wave is 10 A, its RMS value is given by

(a) 3.10 A

(b) 5.0 A

(c) 6.37 A

(d) 7.07 A

Ans.(b)

Q108. Type of relay most suited for

1. Buchholz relay P. Feeder
2. Translay relay Q. Transformer
3. Carrier current, phase comparison relay R. Radial distribution
4. Directional over current relay S. Generator
5. Negative sequence relay T. Ring main distributor

U. Long overhead transmission line

(a) 1-P, 2-Q, 3-T, 4-R, 5-S

(b) 1-Q, 2-R, 3-T, 4-U, 5-P
(c) 1-S, 2-Q, 3-S, 4-T, 5-U
(d) 1-Q, 2-P, 3-U, 4-T, 5-S
Ans.(d)

Q109. Find the peak to peak value of the sinusoidal current represented as i(t)=400sin314t.
(a) 200 A
(b) 400 A
(c) 800 A
(d) 600 A
Ans.(c)

Q110. While calculating
R_{th} in Thevenin's theorem and Norton equivalent?
(a) All independent sources are made dead
(b) Only current sources are made dead
(c) Only voltage sources are made dead
(d) All voltage and current sources are made dead
Ans.(a)

Q111. What is the input ripple frequency (Fin) of full wave rectifier?
(a) $F_{\text{in}} = \frac{1}{2}F$
(b) $F_{\text{in}} = F_{\text{in}}$
(c) $F_{\text{in}} = 2F_{\text{in}}$
(d) $F_{\text{in}} = \sqrt{2}F_{\text{in}}$
Ans.(c)

Q112. How to calculate string efficiency?
(a) Voltage across the string / (Number of discs * Voltage across the disc farthest from the conductor)
(b) Voltage across the disc nearest to the conductor / Number of discs
(c) Voltage across the string / (Number of discs * Voltage across the disc nearest to the conductor)
(d) Number of discs / Voltage across the disc nearest to the conductor
Ans.(c)

Q113. High-frequency capacitance heating method is employed for heating:
(a) Plastic
(b) Wood
(c) Dehydration of foods
(d) All the above
Ans.(d)

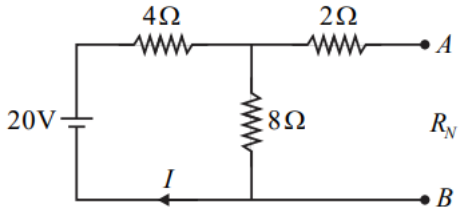
Q114. Step up power transformer is used
(a) To increase voltage
(b) To decrease voltage
(c) To increase electrical power
(d) To decrease electrical power
Ans.(a)

Q115. Which is the basic power equation of dynamo (DC machine)?
(a) $P_{output} = P_{input}$
(b) $P_{input} = P_{output} = P_{loss}$
(c) $P_{output} = P_{input} + P_{loss}$
(d) $P_{input} = P_{output} + P_{loss}$
Ans.(d)

Q116. Which among the given statements correctly distinguishes Avalanche breakdown from Zener breakdown in a PN junction diode?
(a) Zener breakdown occurs only under forward bias conditions.
(b) Avalanche breakdown does not result in a sharp increase in reverse current.
(c) Zener breakdown voltage is typically higher than the avalanche breakdown voltage.
(d) Avalanche breakdown is the predominant mechanism in lightly doped junctions.
Ans.(d)

Q117. . A 3-ϕ, 60 Hz, 6 pole induction motor rotate at 1150 rpm. The approximate efficiency of the motor is?
(a) 96 %
(b) 97 %
(c) 98 %
(d) 99 %
Ans.(a)

Q118. What is the value of Norton resistance (in Ω) between the terminal A and B for the given Norton's equivalent circuit.



(a) 2
(b) 4
(c) 4.66
(d) 5.6

Ans.(c)

Q119. The unit of battery capacity is:
(a) Volt
(b) Ampere
(c) Watt
(d) Ampere-hour
Ans.(d)

Q120. An alternator is supplying a load of 200 kW at a power factor of 0.8 lagging. If the power factor is raised to unity, how many more kW can alternator supply for the same KVA loading?
(a) 250 kW
(b) 150 kW
(c) 100 kW
(d) 50 kW
Ans.(d)

Q121. Which of the following is true for the single-phase induction motor compared to the three-phase induction motor?
(a) Higher starting torque
(b) More output for same size
(c) Higher efficiency
(d) More reliable
Ans.(d)

Q122. A bridge rectifier provides 50 mA current at 150 V, the average current and PIV rating of each diode, respectively are -
(a) 79 mA, 167 V
(b) 25 mA, 236 volt
(c) 12.5 mA, 167 V
(d) 25 mA, 120 V
Ans.(b)

Q123. Five 20 W bulbs are connected to the electrical system of a house. If only three are used at a time, find the demand factor.
(a) 0.4
(b) 0.5
(c) 0.6
(d) 0.8
Ans.(c)

Q124. Two coils, A and B, have self-inductances of 120 μH and 300 μH, respectively. When a current of 1 A flows through coil A, it induces a flux linkage of 100 μWb turns in coil B. What is the mutual inductance between the coils?
(a) 100 μH
(b) 120 μH
(c) 300 μH
(d) 50 μH
Ans.(a)

Q125. For the fault at the terminals of a synchronous generator, the fault current is maximum for a
(a) 3 – phase fault
(b) line – to ground fault
(c) line to line fault
(d) 3 - ϕ to ground fault
Ans.(b)

Q126. In permanent magnet moving coil galvanometer, the damping force is provided by:
(a) magnetic induction
(b) aluminium frame
(c) movement of needle
(d) bronze wire
Ans.(b)

Q127. A consumer consumes 600 kWh per day at a load factor of 0.40 If the consumer increases the load factor to 0.70 without increasing maximum demand, what is the consumption of energy in kWh ?
(a) 950 kWh
(b) 1000 kWh
(c) 1050 kWh
(d) 1100 kWh
Ans.(c)

Q128. In a synchronous machine, as the machine size decreases:
(a) p.u. armature resistance increases and p.u. synchronous reactance decreases.
(b) p.u. armature resistance decreases and p.u. synchronous reactance increases.
(c) p.u. armature resistance and p.u. synchronous reactance both decreases.
(d) p.u. armature resistance and p.u. synchronous reactance both increases.
Ans.(a)

Q129. A synchronous motor operates at unity Power factor. The Points is the right of the unity power factor locus of V-curves corresponds to
(a) over excitation and lagging current input
(b) under excitation and leading current input
(c) under excitation and lagging current input
(d) over excitation and leading current input

Ans.(d)

Q130. A 12μF capacitor and a 4μF capacitor are connected in series. The ratio of voltages across them will be:
(a) 4:1
(b) 1:4
(c) 3:1
(d) 1:3
Ans.(d)

Q131. Ten capacitors are connected in series. If all the ten capacitors are of the same value and the equivalent capacitance is 10μ F, find the capacitance of each capacitor.
(a) 100μ F
(b) 10μ F
(c) 50μ F
(d) 20μ F
Ans.(a)

Q132. Which part of the motor confirms that it is a DC motor.
(a) Commutator
(b) Stator
(c) Frame
(d) Shaft
Ans.(a)

Q133. A Δ/Δ connected transformer is connected to V/V connected transformer. The ratio of VA rating of V/V connected transformer and Δ/Δ connected transformer is
(a) 57.7%
(b) 100%
(c) 50%
(d) 75%
Ans.(a)

Q134. The principle of dynamically induced emf is utilized in a
(a) Choke
(b) Transformer
(c) Thermocouple
(d) Generator
Ans.(d)

Q135. For supports at equal level in an overhead transmission line, where is the lowest point between two equilevel supports?
(a) Mid span
(b) Entire span length
(c) Lower level
(d) Higher level
Ans.(a)

Q136. The rule 77 of Indian Electricity (IE) rule (1956) for overhead lines gives information about
(a) Material and strength
(b) Maximum stress and factor of safety
(c) Earthing
(d) Clearance above ground of lowest conductor
Ans.(d)

Q137. If the iron core of a transformer is replaced by an air core, then the hysteresis losses in the transformer will:
(a) Increase
(b) Decrease
(c) Remain unchanged
(d) Become zero
Ans.(d)

Q138. A 1-phase, 240 V induction type energy meter has a meter constant of 600 revolutions per kwh. For a load current of 10 A at a power factor of 0.8 lagging, speed of the disc in rpm is
(a) 57.6
(b) 38.4
(c) 19.2
(d) 9.6
Ans.(c)

Q139. What is the formula to calculate sag S for supports at unequal level, from the lower level? X is horizontal distance of lowest point from lower level support, W is weight per unit length and T is tension
(a) $S = \frac{WX}{2T}$
(b) $S = \frac{WX}{8T}$
(c) $S = \frac{WX^2}{2T}$
(d) $S = \frac{WX^2}{8T}$
Ans.(c)

Q140. A 0-10 A ammeter has a guaranteed accuracy of 1% of full-scale deflection, the limiting error while reading 2.5 A will be
(a) 1%
(b) 2%
(c) 4%
(d) None of these
Ans.(c)

Q141. A 10kVA,500" " V/250" " V,1-ϕ transformer having a percentage impedance of 8%. The steady short circuit current of transformer is …….. A.
(a) 250
(b) 20
(c) 12.5
(d) 125
Ans.(a)

Q142. In a three phase induction motor, the slip is generally:
(a) 15% to 25%
(b) 2% to 5%
(c) 0
(d) More than 45%
Ans.(b)

Q143. What is the allowable frequency variation as per IE rule of safety?
(a) 3%
(b) 10%
(c) 5%
(d) 8%
Ans.(a)

Q144. Calculate the static resistanceR_D of a diode having$I_D = 30$mA and$V_D = 0.75$V.
(a) 25 Ω
(b) 40 Ω
(c) 0.04 Ω
(d) 0.025 Ω
Ans.(a)

Q145. Induction type energy meter measures energy in _____:
(a) Joules
(b) kW
(c) kWh
(d) W
Ans.(c)

Q146. The load resistance in a 220 V circuit is 40Ω Determine the load current.
(a) 5.5 A
(b) 6.5 A
(c) 2. 75 A
(d) 5 A
Ans.(a)

Q147. The current drawn by a 460 V DC motor of armature resistance 0.5 Ω and back emf of 420 V is:
(a) 800 A
(b) 80 A
(c) 8 A
(d) 0.8 A
Ans.(b)

Q148. Demand factor is
(a) Maximum demand/ Average load
(b) Connected load/Maximum demand
(c) Average load/Maximum demand
(d) Maximum demand/Connected load
Ans.(d)

Q149. A 4.0 Ω resistor has a current i = 2.5 sin ωt (A). Find the power dissipated in the resistor.
(a) 35 $\sin^2 \omega^2$ t (W)
(b) 2.5 $\sin^2 \omega^2$ t (W)
(c) 25 $\sin^2 \omega^2$ t (W)
(d) 2.5 sin ωt (W)
Ans.(c)

Q150. In a DC motor, if Faraday-Lenz relationship is applied to the triangular-shaped flux wave, it will result in:
(a) rectangular-shaped voltage wave
(b) DC voltage wave having no negative components
(c) clipped-sawtooth-shaped voltage wave
(d) triangular-shaped voltage wave
Ans.(a)

Q151. For lagging load power factor, the field of synchronous motor is :
(a) over excited
(b) under excited
(c) normally excited
(d) not excited
Ans.(b)

Q152. Which of the following motors CANNOT be used in an electric traction?
(a) DC series motor
(b) Three-phase induction motor
(c) Repulsion motor
(d) Stepper motor
Ans.(d)

Q153. How can eddy current loss be minimized in Transformer?
(a) By using iron core
(b) By using air core
(c) By using steel core
(d) By using laminated iron core
Ans.(d)

Q154. A 3-phase balanced load which has a power factor of 0.707 is connected to a balanced supply. The power consumed by the load is 5 kW. The power is measured by the two wattmeter method. The readings of the two wattmeters are
(a) 3.94 kW and 1.06 kW
(b) 2.50 kW and 2.50 kW
(c) 5.00 kW and 0.00 kW
(d) 2.96 kW and 2.04 kW
Ans.(a)

Q155. What is the advantage of using a DC welding machine over an AC welding machine?
(a) DC welding eliminates the need for electrode coating
(b) DC welding requires less power than AC welding
(c) DC welding does not require a transformer
(d) DC welding provides better control over arc stability
Ans.(d)

Q156. A1μ F capacitor is connected to a 12 V battery. What is the energy stored in the capacitor?
(a) $12 \times 10^{-6} J$
(b) $72 \times 10^{-6} J$
(c) $24 \times 10^{-6} J$
(d) $48 \times 10^{-6} J$
Ans.(b)

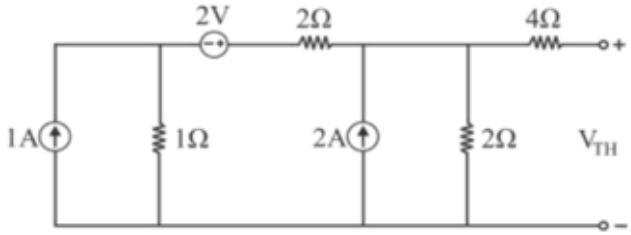
Q157. What is the plant use factor of generating plant of capacity 50 MW runs at full load throughout the day?
(a) 0.25
(b) 2.0
(c) 1.0
(d) 0.5
Ans.(c)

Q158. Reverse saturation current in a power diode is extremely sensitive to variation in:
(a) Intensity of current
(b) Density of electrons
(c) Pressure
(d) Temperature

Ans.(d)

Q159. The leakage resistance of a 50 km long cable is 1 MΩ. For a 100 km long cable, it will be _____.
(a) 0.5 MΩ
(b) 2 MΩ
(c) 1.6 MΩ
(d) 2.5 MΩ
Ans.(a)

Q160. In the circuit shown below, the Thevenin voltage$V_{TH}$is



(a) 1.8V
(b) 3.6V
(c) 4.5V
(d) 2.4V
Ans.(b)

Q161. Generally short circuit fault in a transformer is protected by:
(a) Impendence relay
(b) Reactance relay
(c) MHO relay
(d) Merz price protection
Ans.(d)

Q162. Ripple factor of half wave rectifier is _____
(a) 1.414
(b) 1.212
(c) 1.3
(d) 0.48
Ans.(b)

Q163. In a series RL circuit, R = 12 ohm and
$X_L = 16$ohm. Find the impedance.
(a) 20Ω
(b) 18Ω
(c) 30Ω
(d) 25Ω
Ans.(a)

Q164. kVAR meters are used in 3-phase circuits to measure only the .....component of kVA.
(a) Biot-savart
(b) Lorentz
(c) Faraday
(d) Wattless
Ans.(d)

Q165. A 10-pole, three-phase, 50 Hz alternator has 180 slots. If the armature coils are short-pitched by two slots, what is the pitch factor?
(a) sin (10) °
(b) cos (20) °
(c) sin (20) °
(d) cos (10) °
Ans.(d)

Q166. A lap wound DC generator having 230 armature conductor runs at 1000 rpm. If the generated emf is 230 V, then the operating flux of the DC generator is?
(a) 0.06 Wb
(b) 0.6 Wb
(c) 1.6 Wb
(d) 6 Wb
Ans.(a)

Q167. What is the peak value of a full-wave rectified output when its average value is 6.36 V ?
(a) 10 V
(b) 5 V
(c) 7 V
(d) 8 V
Ans.(a)

Q168. The RMS value of a triangular wave of alternating quantity having peak value 6A is
(a) $\sqrt{3}/2$ Amp
(b) 3 Amp
(c) $2\sqrt{3}$ Amp
(d) 1 Amp
Ans.(c)

Q169. In which of the following respects, the servomotor differ in application capabilities from large industrial motors ?
1. They produce high torque at all speeds including zero speed.
2. They are capable of holding a static position.
3. They do not overheat at standstill or lower speeds.
4. Due to low-inertia they are not able to reverse direction quickly.
(a) 1, 2, 3 and 4
(b) 1, 2 and 3 only
(c) 1, 2 and 4 only
(d) 3 and 4 only
Ans.(b)

Q170. Which type of welding requires consumable electrodes?
(a) Resistance
(b) Arc
(c) MIG
(d) TIG
Ans.(c)

Q171. A coil having a resistance of 15 Ω and an inductance of 0.5H is connected across 100V, 50 Hz AC supply. Find the power factor.
(a) 0.826
(b) 0.625
(c) 0.252
(d) 0.095
Ans.(d)

Q172. Calculate the ripple factor (in percentage) if the dc and ac voltmeter used to measure the output signal from a rectifier circuit gives the readings of 25 V dc and 1.5 V rms.
(a) 17%
(b) 34%
(c) 25%
(d) 6%
Ans.(d)

Q173. A 12 V battery is connected in series with two resistors 4 Ω and 6 Ω, forming a closed circuit. What is the Thevenin equivalent resistance across the terminals of the 6 Ω resistor after it is removed?
(a) 10 Ω
(b) 2 Ω
(c) 6 Ω
(d) 4 Ω
Ans.(d)

Q174. For which of the following points is indoor substation superior to outdoor substation?
(a) Safety
(b) Cost
(c) Maintenance requirement
(d) Fault location
Ans.(a)

Q175. Two coupled coils have K=0.5,N_1=250 turns, N_2=500 turns and the mutual flux being 0.7 Wb. If the primary coil current be 70 A, then the primary coil self inductance will be
(a) 1.2 H
(b) 2.4 H
(c) 3.25 H
(d) 5 H

Ans.(d)

Q176. What is the equation for the applied voltage between the core and the sheath for a Inters heath Grading cable, where R represents the radius of the outer sheath and g_{max} represents the peak value of electrical stress?

(a) $V = 1.881 \times R \times g_{\max}$

(b) $V = \frac{R \times g_{\max}}{1.881}$

(c) $V = \frac{1.881 \times g_{\max}}{R}$

(d) $V = \frac{1.881 \times R}{g_{\max}}$

Ans.(b)

Q177. If the resistance and impedance of the circuit is 10 ohms each value then its power factor is.

(a) Unity

(b) Lagging

(c) Zero

(d) Leading

Ans.(a)

Q178. The rectifier efficiency of a half-wave rectifier is _____ if the input power to the rectifier is 150 W and output power is 50 W.

(a) 66.66%

(b) 33.33%

(c) 100%

(d) 300%

Ans.(b)

Q179. If the length of span between two level supports is increased by 20%, what will be its effect on sag?

(a) Sag increases by 24%

(b) Sag increase by 40%

(c) Sag increases by 44%

(d) Sag increase by 20%

Ans.(c)

Q180. A three-phase motor draws 5.6 kW power when subjected to an apparent power of 7000 VA . Find the reactive power.

(a) 6.3 kVAr

(b) 4.2 kVAr

(c) 2.8 kVAr

(d) 1.4 kVar

Ans.(b)

Q181. Identify the correct equation for controlling torque (T_c) in a spring-controlled moving iron instrument, where K is the spring constant and θ is the deflection angle.
(a) $T_c = K/\theta$
(b) $T_c = K + \theta$
(c) $T_c = K - \theta$
(d) $T_c = K\theta$
Ans.(d)

Q182. A DC generator delivers a 30-A current to a load at 120V by consuming 4500J/s of mechanical energy. Determine the efficiency of the generator.
(a) 70%
(b) 80%
(c) 85%
(d) 75%
Ans.(b)

Q183. If the voltage applied to a load is 100 sin 500t and current through the load is 10sin (500t + 60°), then the power consumed by the load is:
(a) 750W
(b) 500 W
(c) 250 W
(d) 1000 w
Ans.(c)

Q184. The no load speed of DC series motor is
(a) Very small
(b) Medium
(c) Very high
(d) Small
Ans.(c)

Q185. An induction motor has rotor resistance Rr=0.5 and rotor reactance Xr=1.5. At what slip does the motor develop maximum running torque?
(a) 0.15
(b) 1.5
(c) 0.33
(d) 0.60
Ans.(c)

Q186. What feature is incorporated in an electrodynamometer wattmeter to make it a low power factor wattmeter?
(a) The pressure coil is designed to have a high value of resistance.
(b) The pressure coil current is decreased to a very low value.
(c) A capacitor is connected across a part of series resistance in pressure coil circuit.
(d) It is designed to have a very large control torque.
Ans.(c)

Q187. A synchronous generator is supplying power to an infinite bus through transmission line. If a shunt capacitor is added near the middle of the line, the steady state stability limit will –
(a) Become zero
(b) Decrease
(c) Increase
(d) Remain unaltered
Ans.(c)

Q188. In a dc two wire feeder the voltage drop per wire is 3%. Transmission efficiency of the feeder is:
(a) 94%
(b) 98%
(c) 92%
(d) 96%
Ans.(a)

Q189. Short _____ Compound Generator is a type of DC generator:
(a) Series
(b) Negative
(c) Shunt
(d) Permanent
Ans.(c)

Q190. A coil with a self-inductance of 5 H is coupled with another coil having a self-inductance of 20 H in such a way that the mutual inductance is 8 H. Find the coefficient of coupling.
(a) 0.6
(b) 0.8
(c) 0.5
(d) 0.4
Ans.(b)

Q191. If the equation of sinusoidal current is 141.4 sin(314t). Find the RMS value and frequency of the current.
(a) 400 A and 200 Hz
(b) 100 A and 50 Hz
(c) 300 A and 150 Hz
(d) 200 A and 100 Hz
Ans.(b)

Q192. If the capacitance between two conductors of a 3-phase transmission line is 10μ F, then the capacitance of each conductor to neutral is ___.
(a) 10μ F
(b) 5μ F
(c) 30μ F
(d) 20μ F

Ans.(d)

Q193. A Power system has a total load of 1260 MW at 50 Hz. The load varies 1.5% for every 1% change in frequency. Find the steady state frequency deviation, when a 60 MW load is suddenly dripped if there is no speed control.
(a) 1.667 Hz
(b) 50 Hz
(c) No change
(d) 3.32 Hz
Ans.(a)

Q194. A 500 MW, 21 kV, 50 Hz, 3-phase, 2-pole synchronous generator having a rated p.f = 0.9, has a moment of inertia of 27.5×10^3 kg – m^2. The inertia constant (H) will be
(a) 2.44 s
(b) 2.71 s
(c) 4.88 s
(d) 5.42 s
Ans.(a)

Q195. A lagging power factor can be improved by connecting
(a) An inductor in parallel with load
(b) A capacitor in parallel with load
(c) A resistor in parallel with load
(d) None of the above
Ans.(b)

Q196. The phenomenon of oscillation of the rotor about its equilibrium position is called _____.
(a) single phasing
(b) plugging
(c) hunting
(d) phase locking
Ans.(c)

Q197. An alternator is feeding an infinite bus bar. Its prime mover is suddenly shut down. The alternator will:
(a) Continue to work as alternator but the direction of rotation will reverse.
(b) Come to stand still.
(c) Continue to work as synchronous motor and direction of rotation will also be same.
(d) Will work as an induction motor.
Ans.(c)

Q198. The Cab Tyre Sheathed Cable (C.T.S cable) is also known as-
(a) V.I.R cable
(b) P.V.C cable
(c) X.L.P.E cable
(d) T.R.S cable
Ans.(d)

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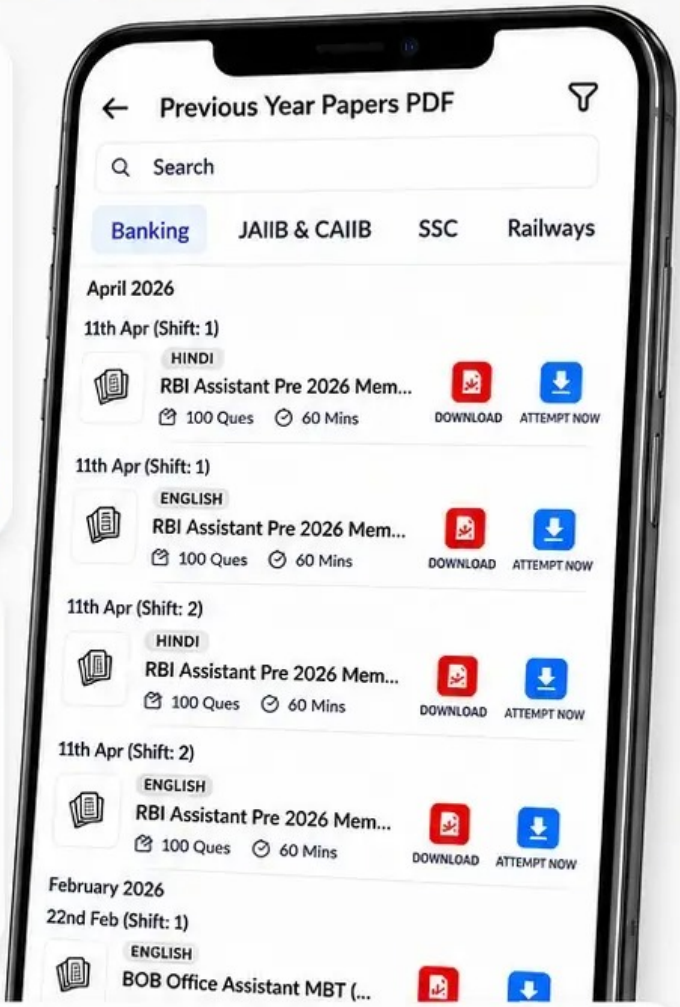

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Q199. What is the Reactive power if the apparent power is 13 kVA and the active power is 12 kW?
(a) 5 kVAR
(b) 1 kVAR
(c) 3 kVAR
(d) 11 kVAR
Ans.(a)

Q200. In a three-phase induction energy meter, the disc rotates due to the interaction between the magnetic fields produced by:
(a) the shunt coil and the field winding
(b) the current and cooling coils
(c) the mechanical gears and shaft
(d) the pressure and current coils
Ans.(d)