



SSC JE ELECTRICAL MODEL PAPER 1



SSC JE ELECTRICAL MODEL PAPER 1

Stay Connected With SPNotifier



TM



SP

EBooks for Bank Exams, SSC & Railways 2020

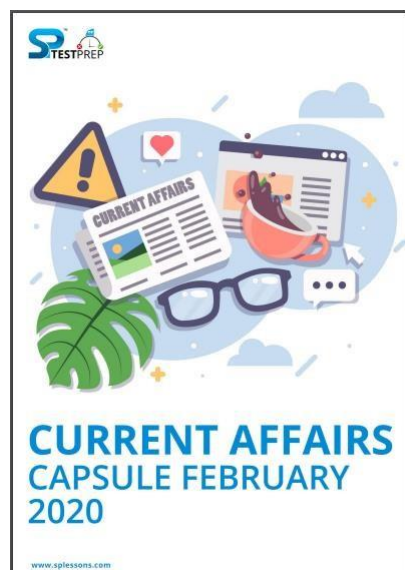
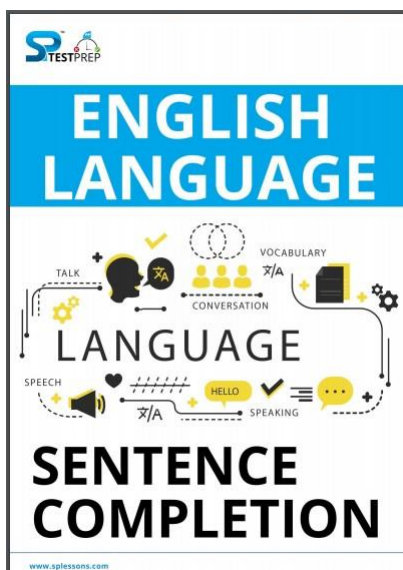
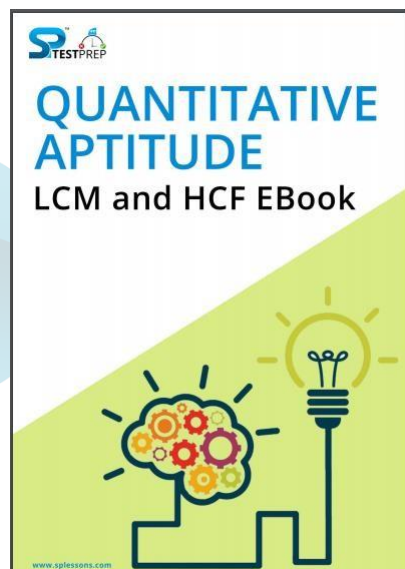
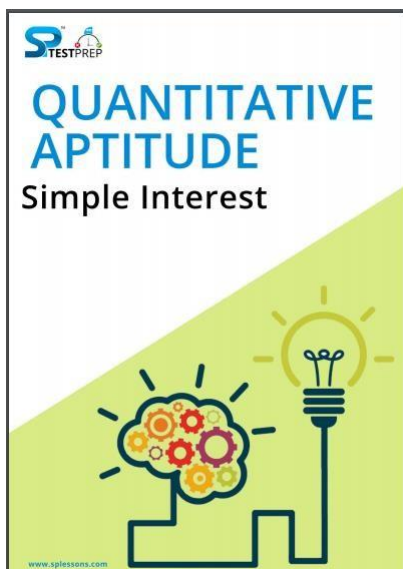
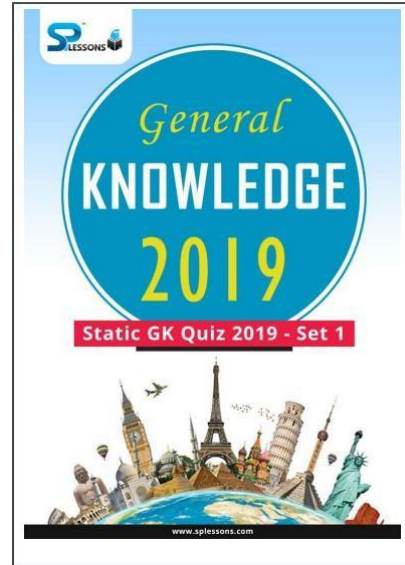
General Awareness EBooks

Computer Awareness EBooks

Monthly Current Affairs Capsules

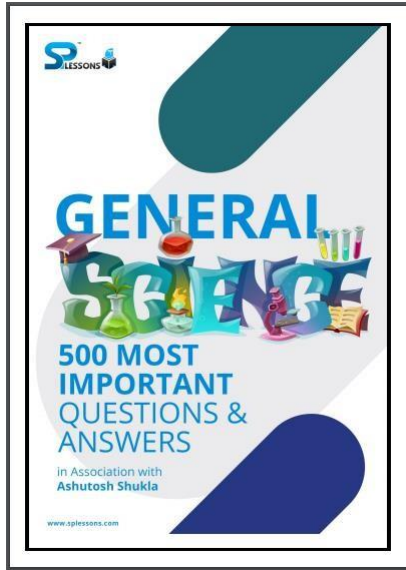


SSC JE ELECTRICAL MODEL PAPER 1





SSC JE ELECTRICAL MODEL PAPER 1



[Click Here to Download the EBooks for several exams](#)

Click here to check the topics related [SSC JE](#)

[SSC JE ID Verification](#)

[SSC JE Instructions](#)

[SSC JE Exam Duration](#)

[SSC JE FAQ Test Day](#)



SSC JE ELECTRICAL MODEL PAPER 1

1. Horse : Neigh :: Jackal : ?

- A. Squeak
- B. Chatter
- C. Howl
- D. Bray

Answer – B

Explanation: Second is the sound produced by the First.

2. Sikkim: Gangtok :: Manipur : ?

- A. Shillong
- B. Imphal
- C. Dispur
- D. Mumbai

Answer – B

Explanation: Second is the capital of first.

3. Annihilation: Fire :: Cataclysm ?

- A. 1)Flood
- B. 2)Earthquake
- C. 3)Steam
- D. 4)Emergency

Answer – A

Explanation: First is the result of second.

4. Carbon : Diamond :: Corundum : ?

- A. Garnet
- B. Pearl
- C. Pukhraj
- D. Ruby

Answer – D

Explanation: Second is the form of first

5. Wheel : Hub :: Earth : ?

- A. Centre



SSC JE ELECTRICAL MODEL PAPER 1

- B. Rotation
- C. Axis
- D. Elliptical

Answer – C

Explanation: First rotate about the second

6. The government announced a heavy compensation package for all the victims of the terrorist attacks.

Assumptions:

1. Such incidents of terror may not occur in near future.
 2. Compensation may mitigate the anger among the citizens against the current government.
- A. If only 1 is implicit
 - B. It only 2 is implicit
 - C. If either assumption 1 or 2 is implicit
 - D. If neither assumption 1 nor 2 is implicit

Answer – B

7. Gambling through lotteries is banned by the central government in all the states with immediate effect.

Assumptions:

1. This may save innocent citizens from getting cheated of their hard -earned money.
 2. The citizens may not gamble in any other way if the lotteries are banned.
- A. If only 1 is implicit
 - B. It only 2 is implicit
 - C. If either assumption 1 or 2 is implicit
 - D. If neither assumption 1 nor 2 is implicit

Answer – A

8. Should coal engines be replaced by electric engines in trains?

Assumptions:

1. Yes, coal engines cause a lot of pollution.
 2. No, India doesn't produce enough electricity to fulfil even the domestic needs.
- A. If only 1 is implicit



SSC JE ELECTRICAL MODEL PAPER 1

- B. It only 2 is implicit
- C. If either assumption 1 or 2 is implicit
- D. If both are implicit

Answer – D

9. Should all professional colleges in India be encouraged to run their own courses without affiliations to any university?

Assumptions:

1. Yes, this is the only way to create more opportunities for those who seek professional training.
2. No, this will dilute the quality of professional training as all such colleges may not be equipped to conduct such courses.

- A. If only 1 is implicit
- B. It only 2 is implicit
- C. If either assumption 1 or 2 is implicit
- D. If neither assumption 1 nor 2 is implicit

Answer – B

10. Government should deploy army to rehabilitate the people displaced due to earthquake.

Assumptions:

1. Army can be used for purposes other than war also.
 2. Only army can rehabilitate the displaced victims of the earthquake.
- A. If only 1 is implicit
 - B. If only 2 is implicit
 - C. If either assumption 1 or 2 is implicit
 - D. If neither assumption 1 nor 2 is implicit

Answer – A

Directions (11-15): Study the following arrangement to answer the given questions

Y # O U 7 D \$ V @ B E 8 © X 1 A C % P 2 4 Q I N 6 M * Z 5

11. If all the numbers are dropped from the above arrangement, which of the following will be the ninth from the right end?

- A. A
- B. C
- C. X



SSC JE ELECTRICAL MODEL PAPER 1

D. Y

Answer – B

Explanation: Y # O U 7 D \$ V @ B E 8 © X 1 A C % P 2 4 Q I N 6 M * Z 5

Ninth from the right end – C

12. Which of the following will be the sixth to the left of the fourteenth from the left end of the above arrangement?

A. Y

B. O

C. U

D. V

Answer – D

Explanation: 6th to the left of the 14th from the left end → 8th from the left end

Y # O U 7 D \$ V @ B E 8 © X 1 A C % P 2 4 Q I N 6 M * Z 5 TM

13. Which of the following is the fifth to the right of the thirteenth to the left of Q in the given arrangement?

A. X

B. @

C. U

D. *

Answer – A

Explanation: Y # O U 7 D \$ V @ B E 8 © X 1 A C % P 2 4 Q I N 6 M * Z 5

13th to the left of Q – @

5th to the right of – X

14. How many such vowels are there in the above arrangement, each of which is immediately preceded by a consonant and immediately followed by a number?

A. None

B. One

C. Two

D. Three

Answer – B



SSC JE ELECTRICAL MODEL PAPER 1

15. How many such symbols are there in the above arrangement, each of which is immediately preceded and also immediately followed by a consonant?

- A. 1.One
- B. 2.Two
- C. 3.Three
- D. 4.Four

Answer – D

Explanation: D\$V, V@B, C%P, M*Z

Direction (16-20): Study the following information carefully and answer the given questions.

For a recruitment process in an organization, the candidates need to possess the following qualifications/criteria.

- I.** A graduate in science with atleast 60% marks.
- II.** An age of at least 25 years and not more than 40 years as on 01.08.2016
- III.** Have a post-qualification work experience of at least 2 years.
- IV.** Should have secured 55% marks in the selection procedure.

However, if the candidate fulfils the above mentioned criteria except

(A) at (I) and if the candidate is not a graduate in Science but has a post graduation degree with minimum of 60% marks, he/she should be referred to the HR Manager of the organization.

(B) at (III) and if the candidate fulfils all the eligibility criteria but of post-qualification work experience but has secured 75% of marks in the selection process, he/she may be referred to the Director of the organization

Based on the above information study carefully whether the following candidates are eligible for the recruitment process and mark your answer. You are not to assume anything other than the information provided in each question. All the cases are given to you as on 01.08.2016

16. Varun has secured 79% marks in the selection process. He has completed graduation in BSc with 67%. His Date of Birth is 09.03.1987. and has a post qualification work experience of one year.

- A. if the candidate is to be selected.
- B. if the candidate is not to be selected.
- C. if the candidate may be referred to the HR – Manager
- D. if the candidate may be referred to the Director.

Answer – D



SSC JE ELECTRICAL MODEL PAPER 1

17. Veena's Date of Birth is 06.02.1988. She has done her graduation and post graduation in commerce and secured 59% and 62% marks respectively. She has a post-qualification work experience as a senior executive of 3 years and has secured 59% marks in the selection process.

- A. if the candidate is to be selected.
- B. if the candidate is not to be selected.
- C. if the candidate may be referred to the HR – Manager
- D. if the candidate may be referred to the Director.

Answer – C

18. Asmita has 4 years of post-qualification work experience. She has done graduation in Botany, scoring 71% marks in it. Born on 22.01.1989. She has secured 53% marks in the selection process.

- A. if the candidate is to be selected.
- B. if the candidate is not to be selected.
- C. if the candidate may be referred to the HR – Manager
- D. if the candidate may be referred to the Director.

Answer – B

19. Naveen has done graduation in Chemistry, scoring 69% marks in it. His date of birth is 12.11.1990. He has ranked first in the selection process and has secured 82% marks in it. He has 4 months of post-qualification work experience.

- A. if the candidate is to be selected.
- B. if the candidate is not to be selected.
- C. if the candidate may be referred to the HR – Manager
- D. if the candidate may be referred to the Director.

Answer – D

20. Tanya has been working in a leading organization since the completion of post-graduation in 1996. She was born on 11.11.1974. She is a graduate and post graduate in Science and has secured more than 60% at both graduate as well as post graduate level. She has secured 71% marks in the selection process.

- A. if the candidate is to be selected.
- B. if the candidate is not to be selected.
- C. if the candidate may be referred to the HR – Manager
- D. if the candidate may be referred to the Director.



SSC JE ELECTRICAL MODEL PAPER 1

Answer – B

Directions (21-25): Read the following information carefully and answer the questions given below it:

Nine cars – A, B, C, D, E, F, G, H and I were located at some distance from each other in a parking area. C was 16 m \$ to that of B. A was 6 m % of that of B and H was 12 m # of that of A. G was 8 m @ of that of H while D was 24 m \$ of that of G and F was 12 m % of that of G. I was situated just in the middle of B and C while E was just in the middle of H and D.

Here, % means North, # means South, \$ means East and @ means West

Note: If two symbols are given simultaneously then both the directions will be considered.

For example,

X%\$Y means Y is to the North-East of X

Y%\$X means X is to the North-East of Y

21. Which of the following is/are true about B?

A. I@B%@F B. B#@G C. B#\$D

- A. All are true
- B. Both A and B
- C. Only A
- D. Both B and C

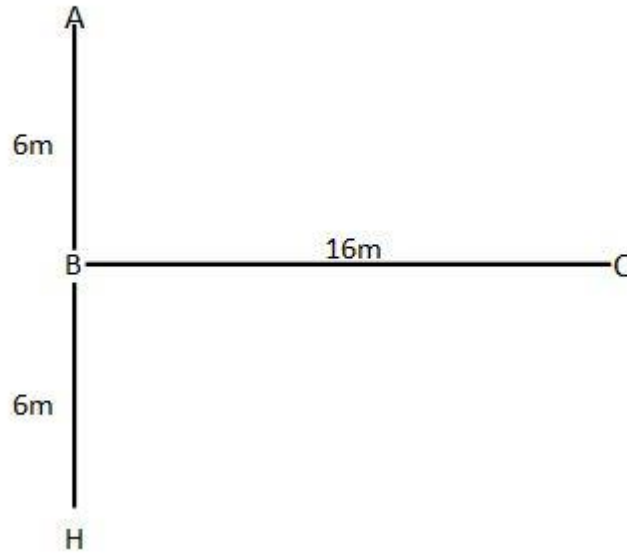
Answer – A

Explanation [21-25]: Cars – A, B, C, D, E, F, G, H and I



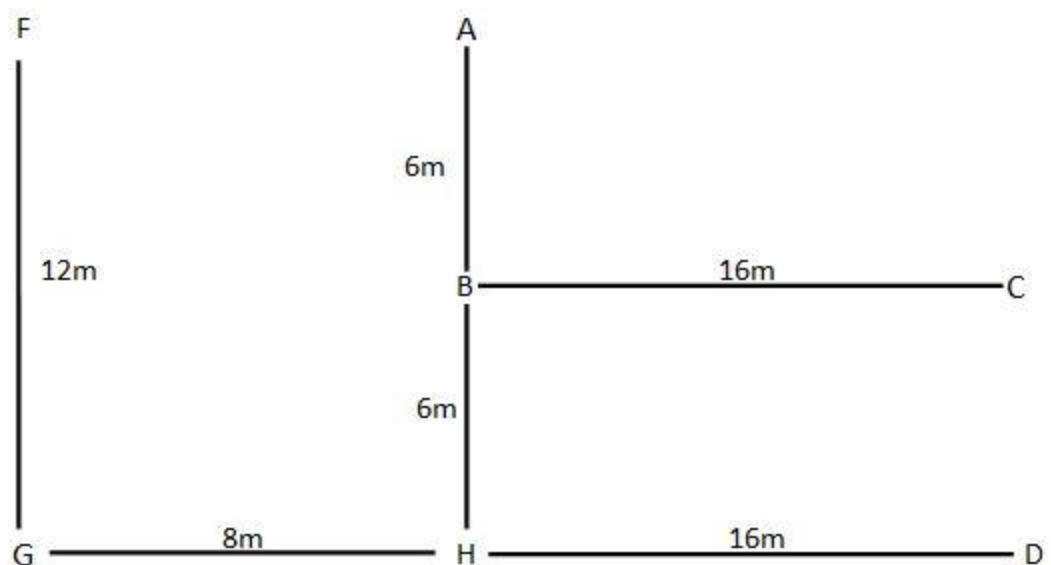
SSC JE ELECTRICAL MODEL PAPER 1

1. C was 16 m \$ to that of B. A was 6 m % of that of B and H was 12 m # of that of A.
C was 16m to the east of B. A was 6m to the north of B and H was 12m to the south of A.



TM

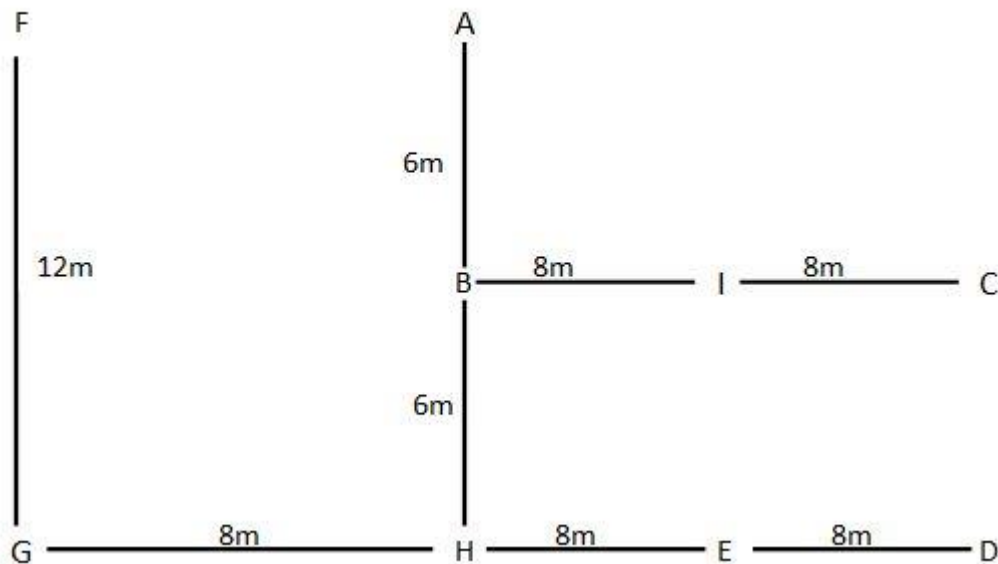
2. G was 8 m @ of that of H while D was 24 m \$ of that of G and F was 12 m % of that of G.
G was 8m to the west of H while D was 24m to the east of G and F was 12m to the north of G.





SSC JE ELECTRICAL MODEL PAPER 1

3. I was situated just in the middle of B and C while E was just in the middle of H and D.



A. B is west of I and F is north – west of B.

B. G is south – west of B.

C. D is south – east of B.

Hence, all are true.

22. What is the direction of D with respect to F?

- A. South
- B. South – west
- C. North – east
- D. South – east

Answer – D

23. What is the shortest distance between car B and car F?

- A. 12m
- B. 10m
- C. 9m
- D. 11m

Answer – B

24. Which of the following cars lie in the straight line?

- A. G and B



SSC JE ELECTRICAL MODEL PAPER 1

- B. C and H
- C. G and E
- D. E and A

Answer – C

25. What is the direction of E with respect to I?

- A. South
- B. South – west
- C. North – east
- D. North

Answer – A

26. If in a certain code DOCUMENT is written as GMVNFXLW then in the same code how CLASSIC is written?

- A. XRHHZOF
- B. XRHHXOZ
- C. XRHHZOX
- D. XRHHZXY

Answer – C

Explanation: Write the word in reverse order like CISSALC and now write their opposites (AZ, BY, CX, DW and so on)

27. If in a certain code CYCLE is written as MIMVO then in the same code how PUNCH will be written?

- A. ZEXAM
- B. ZEXRM
- C. ZEXNR
- D. ZEXMR

Answer – D

Explanation: add 10 to all digits P = 16, U = 21, N = 14, C = 3, H = 8 i.e. 26, 31, 24, 13, 18 so corresponding terms = ZEXMR

28. If in a certain code INSIDE is written as OOUOEI then in the same code how RIVER will be written?

- A. AEOIE
- B. UOAIU
- C. UOEAO
- D. UIOEE



SSC JE ELECTRICAL MODEL PAPER 1

Answer – B

Explanation: In this coding scheme the vowel next to the corresponding letter is written. Like, RIVER, vowel after R is U so R is coded as U.

Similarly, vowel after V is A so, V is coded as A and so on

29. In a certain code PARADISE is written as APARIDES then in the same code how CLIPBOARDS is written?

- A. LCPIOBRASD
- B. LCIPOBRASD
- C. LCPIOBSDRA
- D. LCPIOABRDS

Answer – A

Explanation: Each pair of word are written in reverse order. PA = AP, RA = AR, DI = ID and SE = ES

30. In a certain code CERTAIN is written as VIGZRMX then in the same code SOUND is written as?

- A. LFMWH
- B. LFMHW
- C. LFHWM
- D. LAHWM

Answer – A

Explanation: Write each letter opposites i.e. A = Z, B = Y, C = X and so on and then shift the code by one place to the left.

Direction (31-33): In a family there are two fathers, two mothers, one sister, one brother, two daughter, one mother-in-law, one daughter-in-law, two sister-in-law, one son, one grandfather, one grand mother and one grand daughter.

31. How many married couples are there in the family?

- A. 1.Three
- B. 2.One
- C. 3.Two
- D. 4.Four

Answer – C

Explanation: Blood Relation

32. How many female members in their family?



SSC JE ELECTRICAL MODEL PAPER 1

- A. Three
- B. Two
- C. Four
- D. One

Answer – C

33. What is the maximum number of people in the family?

- A. 8
- B. 7
- C. 5
- D. 6

Answer – D

Direction (34-35): Study the following information carefully to answer the given questions

P @ Q means P is sister of Q

P % B means P is son of Q

P \$ Q means P is mother of Q

P # Q means P is father of Q

34. Which of the following should come in place of ? to make the expression M is grandfather of S ?

U % M # R ? T # S

- A. \$
- B. %
- C. @
- D. #

Answer – C

Explanation: U son :M father: R sister: T father S

35. How is P related to O in the given expression?

V \$ O # Y @ Z % P

- A. Grandmother
- B. Sister
- C. Wife
- D. Mother



SSC JE ELECTRICAL MODEL PAPER 1

Answer – C

Explanation: V mother O father Y sister Z son P

Hence OP => Husband & wife => YZ => Children of OP

36. Statements:

Some Oranges are Apples

All apples are grapes

No grapes is Banana

Conclusions:

I. All Bananas are grapes

II. Some Oranges being Banana is a possibility

III. All grapes are apples

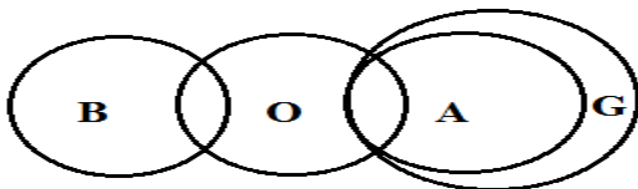
IV. Some grapes are definitely Banana

- A. Only I follows
- B. Only II follows
- C. Only III and IV follow
- D. All follow

Answer – B

Explanation:

Possibility Diagram:



37. Statements:

All Books are Pens

Some Pens are Pencils



SSC JE ELECTRICAL MODEL PAPER 1

No pencil is Marker

All Markers are Boxes

Conclusions:

I. No Book is Box

II. No Marker is Pen

III. Some Books are Boxes

IV. Some Markers are Pens

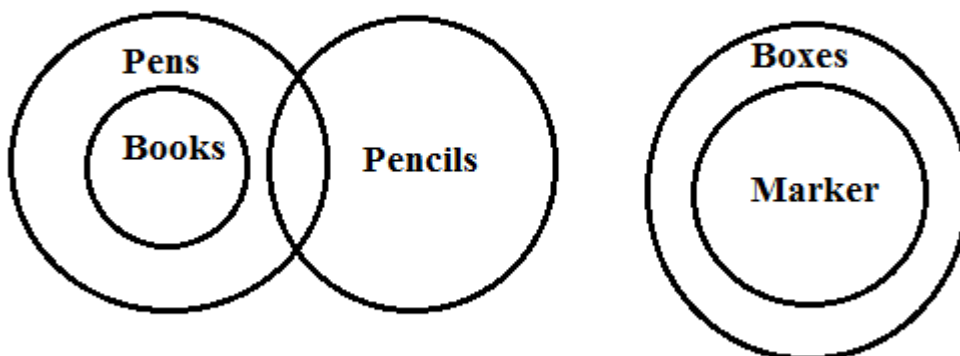
- A. Either (I) or (III) follows
- B. Either (II) or (IV) follows
- C. Both (A) and (B) follow
- D. All follow

Answer – C

Explanation:



Basic Diagram



38. Statements:

All monkeys are Donkeys

No Donkey is elephant

All elephants are Tigers

Conclusions:



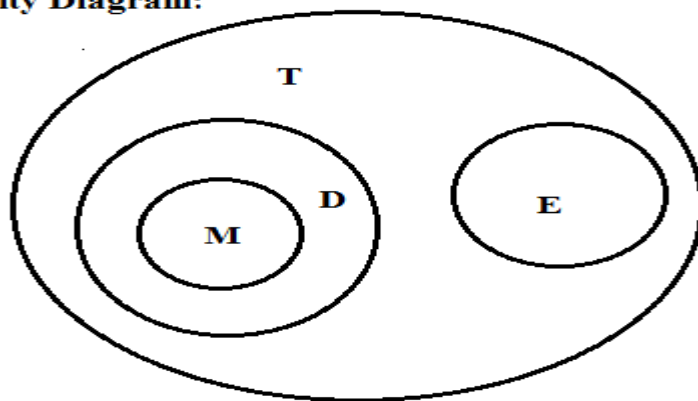
SSC JE ELECTRICAL MODEL PAPER 1

- I. No elephant is a monkey
 - II. All Donkeys being Tigers is a possibility
 - III. All Monkeys being Tigers is a possibility
 - IV. Some Donkeys are elephants
- A. Only I follows
 - B. Only II follows
 - C. Only I, II and III follow
 - D. All follow

Answer – C

Explanation:

Possibility Diagram:



39. Statements:

- All tables are Chairs
- All windows are doors
- No chair is door
- some doors are fans

Conclusions:

- I. At least some tables are windows
- II. At least some windows are fans
- III. Some fans being chairs is a possibility
- IV. All Chairs are fans



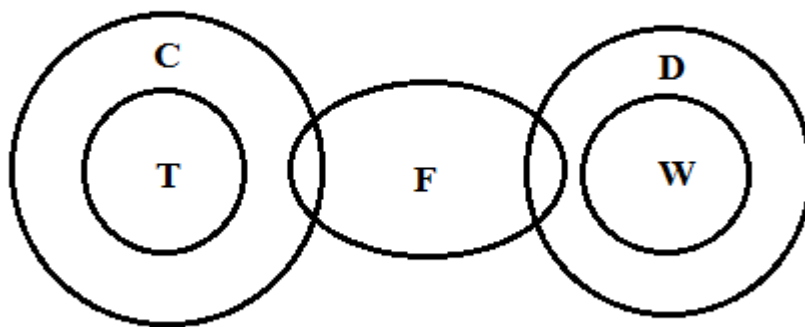
SSC JE ELECTRICAL MODEL PAPER 1

- A. Only I follows
- B. Only III follows
- C. Only I, II and III follow
- D. All follow

Answer – B

Explanation:

Possibility Diagram:



40. Statements:

All roads are cars

No car is bike

Some bikes are houses

Some buildings are roads

Conclusions:

- I. All bikes being buildings is a possibility
- II. No bike is road
- III. Some cars are buildings
- IV. All bikes are road

- A. Only I follows
- B. Either III or II follows
- C. Only I, II and III follow



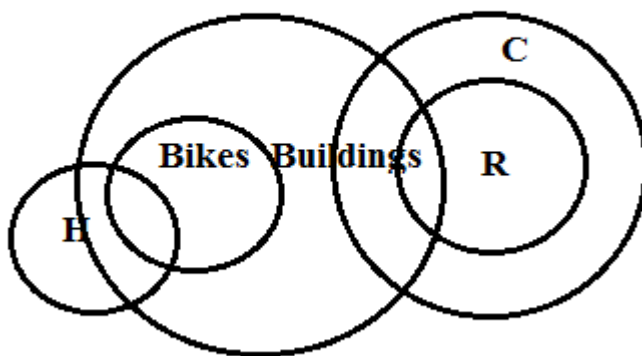
SSC JE ELECTRICAL MODEL PAPER 1

D. All follow

Answer – C

Explanation:

Possibility Diagram:



In each series, look for the degree and direction of change between the numbers. In other words, do the numbers increase or decrease, and by how much

41. Look at this series: 2, 1, (1/2), (1/4), ... What number should come next?

- A. (1/3)
- B. (1/8)
- C. (2/8)
- D. (1/16)

Answer – B

Explanation: This is a simple division series; each number is one-half of the previous number.

In other terms to say, the number is divided by 2 successively to get the next result.

$$4/2 = 2$$

$$2/2 = 1$$

$$1/2 = 1/2$$

$$(1/2)/2 = 1/4$$

$$(1/4)/2 = 1/8 \text{ and so on.}$$

42. Look at this series: 7, 10, 8, 11, 9, 12, ... What number should come next?



SSC JE ELECTRICAL MODEL PAPER 1

- A. 7
- B. 10
- C. 12
- D. 13

Answer – B

Explanation: This is a simple alternating addition and subtraction series. In the first pattern, 3 is added; in the second, 2 is subtracted.

43. Look at this series: 36, 34, 30, 28, 24, ... What number should come next?

- A. 20
- B. 22
- C. 23
- D. 26

Answer – B

Explanation: This is an alternating number subtraction series. First, 2 is subtracted, then 4, then 2, and so on.

44. Look at this series: 22, 21, 23, 22, 24, 23, ... What number should come next?

- A. 22
- B. 24
- C. 25
- D. 26

Answer – C

Explanation: In this simple alternating subtraction and addition series; 1 is subtracted, then 2 is added, and so on.

45. Look at this series: 53, 53, 40, 40, 27, 27, ... What number should come next?

- A. 12
- B. 14
- C. 27
- D. 53

Answer – B

Explanation: In this series, each number is repeated, then 13 is subtracted to arrive at the next number.

46. If DISCERNS is coded as WRHXVIMH, then how will AGO be coded as?



SSC JE ELECTRICAL MODEL PAPER 1

- A. TGB
- B. BGT
- C. DFG
- D. ZTL

Answer – D

47. In a certain code language, 639 means 'wood is hard', 657 means 'fur is soft', 135 means 'hard or soft'. Find the code for 'or'.

- A. 4
- B. 1
- C. 6
- D. 3

Answer – B

48. In a certain code language, '+' represents 'x', '-' represents '+', 'x' represents '÷' and '÷' represents '-'. Find out the answer to the following question.

$$0.0625 + 800 - 234 \times 6 = ?$$

- A. 11
- B. 89
- C. 1.25
- D. 66

Answer – B

49. Badayuni said that "Sultan got freedom from his masses and masses from the Sultan". Who among the following kings does he refer to?

- A. Alauddin Khilji
- B. Balban
- C. Iltutmish
- D. Md. Bin Tughlaq

Answer: D

50. If the letters E, D, X, S, P & O are numbered 1, 2, 3, 4, 5 & 6 respectively.

Select that combination of numbers so that letters arranged accordingly, form a meaningful word.

- A. 3532143
- B. 1356412
- C. 6121341
- D. 4321242



SSC JE ELECTRICAL MODEL PAPER 1

Answer: B

51. Which of the following countries is not a member of the Nuclear Suppliers Group (NSG)?

- A. France
- B. Russia
- C. USA
- D. Iran

Answer: D

Explanation: Iran is not a member of the Nuclear Suppliers Group (NSG).

52. Which one of the following literary works was not written by R.K. Narayan?

- A. Malgudi Days
- B. Swami and his friends
- C. Guide
- D. Gardner

Answer: D

Explanation: Gardner was not written by R.K. Narayan.

53. Who among the following was elected as the President of All India Khilafat Conference met at Delhi in 1919?

- A. Motilal Nehru
- B. Mahatma Gandhi
- C. M A Jinnah
- D. Shaukat Ali

Answer: B

Explanation: Gandhiji was elected President of the All- India Khilafat Conference which met at Delhi on November 23, 1919. They decided to withdraw all cooperation from the government if their demands were not met.

54. Which of the following Harappan sites was not located in Gujarat?

- A. Lothal
- B. Daimabad
- C. Surkotada
- D. Dholavira

Answer: B



SSC JE ELECTRICAL MODEL PAPER 1

Explanation: Daimabad is a deserted village and an archaeological site on the left bank of the Pravara River, a tributary of the Godavari River in Shrirampur taluka in Ahmednagar district of Maharashtra state in India. This site was discovered by B. P. Bopardikar in 1958.

55. On which date, Martyr's Day was observed?

- A. 23rd March
- B. 22nd March
- C. 21st March
- D. 20th March

Answer: A

Explanation: The nation is observing Shaheed Diwas or Martyr's Day on 23rd March. Each year, March 23, homage is paid to the great revolutionary fighters Bhagat Singh, Rajguru and Sukhdev who sacrificed their lives for the country.

56. Who was named as India's First Lokpal?

- A. Pinaki Chandra Ghose
- B. Anil R. Dave
- C. G. S. Singhvi
- D. Manmohan Singh Liberhan

Answer: A

57. India's First Living Culinary Arts Museum is in which state?

- A. Kerala
- B. Haryana
- C. Karnataka
- D. Madhya Pradesh

Answer: C

Explanation: The culinary museum in Welcome group Graduate School of Hotel Administration (WGSHA), Karnataka, has been listed in Limca Book of Records as India's First Living Culinary Arts Museum. The culinary art museum was opened in April 2018. The museum is spread approximately over 25,000 sq ft. It is shaped in the form of a giant pot very similar to the ones found in Harappa.

58. Holi festival was celebrated in which state?

- A. Haryana
- B. Uttar Pradesh
- C. Punjab
- D. Himachal Pradesh



SSC JE ELECTRICAL MODEL PAPER 1

Answer: C

Explanation: Hola Mohalla festival was celebrated at Anandpur Sahib Punjab from 10-12 March 2020. Hola Mohalla is a Sikh festival celebrated in the month of Phalguna, a day after Holi.

59. Which State Assembly has approved a bill on caste validity certificate?

- A. Maharastra
- B. Jharkhand
- C. Bihar
- D. Kerala

Answer: A

Explanation: Maharashtra State Assembly approved a bill on caste validity certificate. The Bill was unanimously passed by the Maharashtra state assembly on 11 March 2020. The Bill will allow gram panchayat members to submit their caste validity certificates within a year of winning elections.

60. Parivara and Talawara tribal communities belong to which state?

- A. Madhya Pradesh
- B. Kerala
- C. Karnataka
- D. Haryana

Answer: C

Explanation: Rajya Sabha approves minor changes made by Lok Sabha in the Constitution (Scheduled Tribes) Order Amendment Bill, 2019; bill includes Parivara and Talawara tribal communities of Karnataka in ST category

61. Which State/ UT government approved the implementation of "happy hour" for autorickshaws?

- A. New Delhi
- B. Maharashtra
- C. Uttar Pradesh
- D. Goa

Answer: B

Explanation: Maharashtra State government approved the implementation of "happy hour" for autorickshaws. The move was recommended by Khatua panel, which is led by retired IAS officer BC Khatua and the four-members of the panel. The government resolution stated that fares would be slashed by 15% between 12 noon and 4 pm, barring the minimum fare first 1.5 km.



SSC JE ELECTRICAL MODEL PAPER 1

62. Which mobile app has been launched by Punjab to spread awareness on coronavirus precautions?

- A. Cova Punjab
- B. Covid 19 Madad
- C. Corona Gyan
- D. Cov Punj

Answer: A

Explanation: The Punjab government launched a mobile application to spread awareness about the precautions to be taken against coronavirus. The "Cova Punjab" app has been developed by the Department of Government Reforms and Public Grievances in consultation with the Health and Family Welfare Department.

63. Which state has topped the list in the installations of solar rooftop plants?

- A. Rajasthan
- B. Tamil Nadu
- C. Madhya Pradesh
- D. Gujarat

Answer: D

Explanation: As per Government data, Gujarat has topped the list in the installations of solar rooftop plants. It is followed by Maharashtra. The aim of the installations of solar rooftop plants is to achieve renewable power generation goals. As of 2 March, a total of 79,950 systems have been installed across the country with a combined capacity of 322 MW.

64. Exercise SAREX 2020 has recently concluded in which state?

- A. Kerala
- B. Tamil Nadu
- C. Odisha
- D. Goa

Answer: D

Explanation: National level Search, and Rescue Exercise and Workshop (Exercise SAREX 2020) concluded in the sea at Vasco, Goa. The exercise was conducted by the Indian Coast Guard (ICG). It was carried out on 5-7 March.

65. Which state has recently scrapped "Shaadi Bhagya Scheme"?

- A. Kerala
- B. Karnataka
- C. Tamil Nadu



SSC JE ELECTRICAL MODEL PAPER 1

D. Telangana

Answer: B

Explanation: The BJP government in Karnataka scrapped the Shaadi Bhagya Scheme that was launched by Congress government in the state in 2013. Under the scheme, Rs 50,000 was given to Muslim brides for marriage expenses after they submitted their Aadhar and BPL cards.

66. A dedicated monitoring cell under Mission Bhagiratha was recently inaugurated in which state?

- A. Tamil Nadu
- B. Karnataka
- C. Odisha
- D. Telangana

Answer: D

Explanation: A dedicated monitoring cell was inaugurated under Mission Bhagiratha in Bhongir Circle, Telangana. It was inaugurated by the Superintending Engineer of Mission Bhagiratha. The cell invites grievances and issues in the supply of the tapped drinking water.

67. Which of the following is the correct formula for magnification while using a concave mirror?

- A. $(\text{Image distance})/(\text{Object distance})$
- B. $(\text{Object distance})/(\text{Image distance})$
- C. $(\text{Image distance})/(\text{Object distance})$
- D. $(\text{Object distance})/(\text{Image distance})$

Answer: A

68. A thermodynamic process during which the volume of the closed system in consideration remains constant is called _____.

- A. Isochoric process
- B. Isobaric process
- C. Adiabatic process
- D. Isothermal process

Answer: A

69. Which of the following is the correct order of electromagnetic radiation arranged in order of increasing frequency?

- A. Microwaves < Visible light < X-Rays < Long Radio Waves
- B. X-Rays < Microwaves < Visible light < Long Radio Waves



SSC JE ELECTRICAL MODEL PAPER 1

- C. Long Radio Waves < Microwaves < Visible light < X-Rays
- D. Long Radio Waves < X-Rays < Visible light < Microwaves

Answer: C

71. In which city was 102nd Indian Science Congress held in 2015?

- A. Mumbai
- B. Kolkata
- C. Gandhinagar
- D. New Delhi

Answer: D

72. In which city was 18th SAARC summit held in 2014?

- A. Islamabad
- B. Kathmandu
- C. New Delhi
- D. Dhaka

Answer: C

73. In which country was 6th BRICS Summit held in 2014?

- A. Russia
- B. South Africa
- C. India
- D. Brazil

Answer: A

74. In which city was UN Climate Change Summit held in 2014?

- A. Paris
- B. Brisbane
- C. New York
- D. Sydney

Answer: A

75. In which city was 9th G-20 Summit held in 2014?

- A. Soul
- B. London
- C. Saint Petersburg
- D. Brisbane

Answer: D



SSC JE ELECTRICAL MODEL PAPER 1

76. In which city was 25th ASEAN Summit held in 2014?

- A. Nay Pyi Daw
- B. Singapore
- C. Bail
- D. Kulala Lumpur

Answer: D

77. The 6th IBSA Summit was held in 2013 at ____.

- A. Brasilia
- B. New Delhi
- C. Pretoria
- D. Cape Town

Answer: D

78 .The member countries of IBSA Dialogue Forum are____.

- A. India, Brazil and South Africa
- B. India, Britain and Spain
- C. Israel, Brazil and Sweden
- D. India, Bangladesh and South Africa

Answer: A

79. The member countries of BRICS are ____.

- A. Britain, Russia, Ireland, Canada and Sweden
- B. Brazil, Russia, Indonesia, China and South Africa
- C. Brazil, Russia, India, China and South Africa
- D. Britain, Russia, India, Canada and Spain

Answer: C

80. Following 2014 Crimean crisis, the G-8 Group became G-7 Group by expelling ____.

- A. Russia
- B. Germany
- C. France
- D. Canada

Answer: B

81. Which among the following river originated in India?

- A. Ganga
- B. Sutlej



SSC JE ELECTRICAL MODEL PAPER 1

- C. Chenab
- D. Brahmaputra

Answer: C

82. Sentinelese tribe is found in which of the following States/ territories?

- A. Dadra and Nagar Haveli
- B. Goa
- C. West Bengal
- D. Andaman and Nicobar Islands

Answer: D

83. How many times a person can attempt for re-election as the President of India?

- A. Only thrice
- B. Only once
- C. Only twice
- D. Any number of times

Answer: D

84. In which generation, the development of GUIs, mouse and handheld devices were took place?

- A. Second Generation
- B. First Generation
- C. Third Generation
- D. Fourth Generation

Answer: D

85. The governor of a state is appointed by the President on the advice of _____.

- A. Prime Minister
- B. Chief Minister of the state
- C. Speaker of the state
- D. Chief Justice of High Court of the state

Answer: A

86. Which among the following is NOT a factor of Production?

- A. Bank credit
- B. Labour
- C. Land
- D. Capital



SSC JE ELECTRICAL MODEL PAPER 1

Answer: A

87. Which of the following does not involve in the study of microeconomics?

- A. Households
- B. Industries
- C. Individual consumers
- D. Economic aggregates

Answer: D

88. The stranger gas is also known as_____.

- A. Xenon
- B. Argon
- C. Helium
- D. Neon

Answer: A

89. A compact disc (CD) is a type of _____ storage media.TM

- A. Electrical
- B. Magnetic
- C. Optical
- D. None of these

Answer: C

90. The British established their first factory in Surat with the permission of _____.

- A. Jahangir
- B. Sher Shah Suri
- C. Hemu
- D. Shah Jahan

Answer: A

91. The Curiosity rover built by National Aeronautics and Space Administration (NASA) as a part of Astrobiology mission successfully landed on the planet-

- A. Mars
- B. Saturn
- C. Venus
- D. Mercury

Answer: A

92. Which of the following is not an endocrine gland?



SSC JE ELECTRICAL MODEL PAPER 1

- A. Pituitary gland
- B. Pancreas
- C. Pineal gland
- D. None of these

Answer: D

93. Which of the following is not correctly matched?

- A. Cyrus Mistry : Tata Group
- B. Sheryl Sandberg : Facebook
- C. Larry Page : Google
- D. Deepak Parekh : HFCL

Answer: D

94. Which of the following acts as both exocrine and endocrine gland?

- A. Pancreas
- B. Spleen
- C. Liver
- D. Pituitary gland

Answer: A

95. Which of the following does not produce hormone?

- A. Heart
- B. Kidney
- C. Gastro-intestinal tract
- D. None of these

Answer: D

96. Who among the following Viceroys wrote the book 'Problems of the East'?

- A. Lord Curzon
- B. Lord Clive
- C. Lord Mayo
- D. Lord Mountbatten

Answer: A

97. Which among the following Philosophical Systems expounds 'Critical Examination' or 'Solution of a problem by reflection'?

- A. Vaisheshika
- B. Samkhya



SSC JE ELECTRICAL MODEL PAPER 1

- C. Mimansa
- D. Yoga

Answer: C

98. Who among the following said about Md. Ali Jinnah that he was an 'Ambassador of Hindu-Muslim Unity'?

- A. Annie Besant
- B. Sarojini Naidu
- C. B. G. Tilak
- D. None of these

Answer: B

99. Which among the following is considered as the best rock cut temple in the world?

- A. Brihadeeswara Temple, Tanjavur
- B. Lingaraja Temple, Bhubaneswar
- C. Kailasha Temple, Ellora
- D. Kandariya Temple, Khajuraho

Answer: C

100. Which of the following is, "A device used to connect two separate Ethernet networks into one extended Ethernet."?

- A. Bridge
- B. Router
- C. Repeater
- D. Modem

Answer: A

101. Generally an electrolytic capacitor is made to provide_____.

- A. fixed capacitance
- B. variable capacitance
- C. low capacitance
- D. large value of capacitance

Answer: D

102. Voltage applied across a ceramic dielectric produces an electrostatic field 100 times greater than in air. The dielectric constant? of the ceramic equals_____.

- A. 100/3
- B. 50



SSC JE ELECTRICAL MODEL PAPER 1

- C. 100
- D. 1/100

Answer: C

103. Which of the following capacitors of identical rating will have the smallest dimensions?

- A. Ceramic capacitor
- B. Mica capacitor
- C. Aluminium foil capacitor
- D. Paper capacitor

Answer: A

104. Internal heating of capacitor is usually attributed to_____.

- A. dielectric charge
- B. plate vibration
- C. electron movement
- D. leakage resistance

Answer: D

105. During discharge of a battery_____.

- A. the voltage of cell decreases
- B. the voltage of cell increases
- C. voltage does not change
- D. None of these

Answer: A

106. Which efficiency of the battery is more?

- A. Watt hour efficiency
- B. Ampere hour efficiency
- C. Overall efficiency
- D. None of these

Answer: A

107. A wire bent into a semi-circle in the centre and straight at both ends is placed in a uniform magnetic field B pointing out of the page shown in the figure. If the wire carries current I , the force on each straight section xy and zw is _____.

- A. IB (current \times Magnetic Field)
- B. IlB (Current \times Length \times Magnetic Field)
- C. IB (Length \times Magnetic Field)



SSC JE ELECTRICAL MODEL PAPER 1

D. Zero

Answer: B

108. If three 30 μF capacitors are connected in series, the net capacitance is_____.

- A. 10 μF
- B. 60 μF
- C. 90 μF
- D. None of these

Answer: A

109. For making capacitors, it is better to select a dielectric having_____.

- A. high permittivity
- B. low permittivity
- C. permittivity same as that of air
- D. None of these

Answer: A

110. The materials having low retentivity are suitable for making ____.

- A. temporary magnets
- B. permanent magnets
- C. weak magnets
- D. None of these

Answer: A

111. In a parallel circuit operating with a source of 30 V AC, designed to carry a total current of 6 A, what happens to the protection device (fuse) when the resistance suddenly changes to 2Ω ?

- A. It closes
- B. There is no change
- C. It shorts to ground
- D. It opens

Answer: D

112. Which of the following determines total power in a series circuit?

- A. Source voltage times the current
- B. Total voltage applied to the circuit
- C. Current flowing through a switch
- D. Average of the wattage consumed by each resistor



SSC JE ELECTRICAL MODEL PAPER 1

Answer: A

113. What should be observed when connecting a voltmeter into a DC circuit?

- A. RMS
- B. Resistance
- C. Polarity
- D. Power factor

Answer: C

114. A potential divider is normally connected _____.

- A. outside the generator circuit towards the load circuit
- B. Within the generator circuit
- C. at a distance $V/100$ metres from the generator where V is the voltage to be measured in KV
- D. None of these

Answer: A

115. In a pure inductive circuit _____.

- A. The current leads applied voltage by 90 degree
- B. The current is in phase with applied voltage.
- C. The current lags applied voltage by 90 degree
- D. None of these

Answer: C

116. The average power in a pure inductive circuit is _____.

- A. 0
- B. VI
- C. $VI \cos \varphi$
- D. $\sqrt{3}VI \cos \varphi$

Answer: A

117. In a R-L series circuit the power factor P.F. is _____.

- A. Leading
- B. Lagging
- C. 0
- D. 1

Answer: A

118. The angle of a series R-L-C circuit is leading if _____.



SSC JE ELECTRICAL MODEL PAPER 1

- A. X_L
- B. $R = 0$
- C. $X_C > X_L$
- D. $X_C < X_L$

Answer: C

119. In an R-C-L series circuit, during resonance, the impedance will be ____.

- A. zero
- B. minimum
- C. maximum
- D. None of these

Answer: B

120. Kirchoff's current law (KCL) is applicable only to ____.

- A. Closed loops in a network
- B. electronic circuits
- C. junction in a network
- D. electric circuits

Answer: D

121. Flow of electrons in the circuit constitutes ____.

- A. Magnetic charge
- B. an e.m.f
- C. an electric current
- D. None of these

Answer: C

122. The material used for the magnetic circuit where high value of flux density required is ____.

- A. cast iron
- B. ferro cobalt
- C. soft steel
- D. gray cast iron

Answer: B

123. If two resistances of $10\ \Omega$ and $10\ \Omega$ are connected in parallel the equivalent resistance is ____.

- A. $15\ \Omega$



SSC JE ELECTRICAL MODEL PAPER 1

- B. $100\ \Omega$
- C. $5\ \Omega$
- D. $1\ \Omega$

Answer: C

124. Unit of magnetic flux is ____.

- A. Weber
- B. ampere-turn
- C. weber/m²
- D. coulomb

Answer: A

125. Fleming's left hand rule is used to find ____.

- A. Polarity of magnetic pole
- B. direction of flux in a solenoid
- C. direction of magnetic field due to a current carrying conductor in a magnetic field
- D. direction of force on a current carrying conductor in a magnetic field

Answer: D

126. In which of the following voltage sources is the movement of conductors in a magnetic field used to produce voltage?

- A. in a thermo couple
- B. in a zinc copper element
- C. in a D.C. generator
- D. in a transformer

Answer: C

127. The relative permeability of a material is 0.95. The material is ____.

- A. diamagnetic
- B. paramagnetic
- C. ferromagnetic
- D. None of these

Answer: A

128. The series magnet of a single phase Energy meter consists of coil of ____.

- A. thin wire of few turns
- B. thick wire of few turns
- C. thick wire of more turns



SSC JE ELECTRICAL MODEL PAPER 1

D. thin wire of more turns

Answer: B

129. The relative permeability of paramagnetic material is _____.

- A. less than unity
- B. equal to unity
- C. greater than unity
- D. None of these

Answer: C

130. Magnetic recording tape is most commonly made from _____.

- A. small particles of iron
- B. silicon-iron
- C. ferric oxide
- D. None of these

Answer: C

131. Reluctance offered by the magnetic circuit depends upon _____.

- A. nature of magnetic material
- B. length of magnetic flux path
- C. cross-sectional area of the material
- D. All options are correct

Answer: D

132. Moving iron meters can be used to measure _____.

- A. Both AC & DC
- B. Only AC
- C. Only DC
- D. None of these

Answer: B

133. A network has 10 nodes and 17 branches. The number of different node pair voltage would be

- A. 7
- B. 9
- C. 45



SSC JE ELECTRICAL MODEL PAPER 1

D. 10

Answer: C

134. Generally an electrolytic capacitor is made to provide_____.

- A. fixed capacitance
- B. variable capacitance
- C. low capacitance
- D. large value of capacitance

Answer: D

135. Voltage applied across a ceramic dielectric produces an electrostatic field 100 times greater than in air. The dielectric constant? of the ceramic equals_____.

- A. $100/3$
- B. 50
- C. 100
- D. $1/100$

Answer: C

136. Which one of the following is applicable to any network linear or non-linear, active or passive, time varying or invariant as long as Kirchhoff's laws are not violated?

- A. Tellegen's theorem
- B. Reciprocity theorem
- C. Maximum power transfer theorem
- D. Superposition theorem

Answer: A

137. In which of the following, it is not desired to attain the condition of maximum power transfer?

- A. Electronic circuits
- B. Communicational circuits
- C. Computer circuits
- D. Electric circuits

Answer: D

138. A current mirror can be used as an active load because_____.

- A. it has low AC resistance
- B. it has high AC resistance
- C. it has high DC resistance

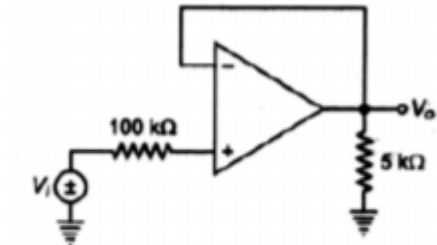


SSC JE ELECTRICAL MODEL PAPER 1

D. it has low DC resistance

Answer: B

139. In the below given network, the ideal closed loop voltage gain is _____.



- A. 1
B. -1
C. ∞
D. 50

140. Which of the following is essential for the reciprocity theorem to be applicable?

- A. Linearity
B. Bilateralism
C. No initial history
D. All options are correct

Answer: D

141. If the capacitor of a single phase motor is short circuited, the motor will ____.

- A. start
B. not start
C. start with jerks
D. start and then stop

Answer: B

142. The speed of the rotating magnetic field in an induction motor is known as the ____.

- A. slip speed
B. effective speed
C. shaft speed
D. synchronous speed

Answer: D

143. When the frequency of the rotor of an induction motor is small, it can be measured by ____.

- A. galvanometer
B. d.c. moving coil milli-voltmeter



SSC JE ELECTRICAL MODEL PAPER 1

- C. d.c. moving coil ammeter
- D. a.c. voltmeter

Answer: B

144. The value of the capacitor in a capacitor start motor controls the_____.

- A. starting torque
- B. speed of the motor
- C. efficiency
- D. None of these

Answer: A

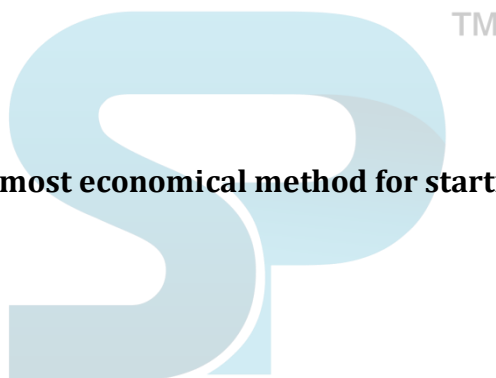
145. In the below given torque/speed characteristics of an induction motor, stable region is _____.

- A. X
- B. Y
- C. Z
- D. W

Answer: D

146. Which of the following is most economical method for starting single-phase motor?

- A. Capacitor start method
- B. Split-phase method
- C. Induction-start method
- D. Resistance-start method



Answer: A

147. What is the use of the circuit shown in the figure below?

- A. To reduce the starting current to a very low
- B. To achieve a smooth starting
- C. To attain a higher starting torque
- D. To attain a higher maximum torque

Answer: B

148. Which of the following motors is represented by the characteristics curve shown below?

- A. D.C. shunt motor
- B. D.C. series motor
- C. D.C. compound motor
- D. Asynchronous motor



SSC JE ELECTRICAL MODEL PAPER 1

Answer: D

149. For a 100% efficient transformer, the primary winding has 1000 turns and the secondary 100 turns. If the power input to the above transformer is 1000 watts, the power output is_____.

- A. 1000 watts
- B. 100 watts
- C. 10 watts
- D. 10 kW

Answer: A

150. What is the efficiency of transformer compared with that of electrical motors of the same power?

- A. Much smaller
- B. Somewhat smaller
- C. About same
- D. Much higher

Answer: D

151. In a common emitter amplifier, the un by passed emitter resistance provides _____.

- A. voltage-shunt feedback
- B. current series feedback
- C. negative-voltage feedback
- D. positive-current feedback

Answer: C

152. Which input yields natural response?

- A. step input
- B. sinusoidal input
- C. impulse input
- D. ramp input

Answer: C

153. The voltage of a circuit is measured by a voltmeter having input impedance comparable with the output impedance of the circuit thereby causing error in voltage measurement. This error may be called as_____.

- A. gross error
- B. random error
- C. error caused by misuse of instrument



SSC JE ELECTRICAL MODEL PAPER 1

D. error caused by loading effect

Answer: D

154. Which of the following options is an Active transducer?

- A. photo emissive cell
- B. photo voltaic cell
- C. selsyn
- D. photo emissive cell, photo voltaic cell and selsyn

Answer: B

155. Un-bonded strain gauges are ____.

- A. exclusively used for transducer applications
- B. exclusively used for stress analysis
- C. used for unbounded strains only
- D. None of these

Answer: A

156. Dynamometer type moving coil instruments are provided with ____.

- A. eddy current damping
- B. pneumatic damping
- C. fluid friction damping
- D. electrostatic damping

Answer: B

157. Voltmeter is a galvanometer with ____.

- A. high resistance
- B. low resistance
- C. both low and high resistance
- D. uncertain resistance

Ans. A

158. Strain gauge rosettes are used when ____.

- A. the direction of hoop stress is not known
- B. the direction of principal stress is not known
- C. the direction of principal stress is known
- D. the direction of longitudinal stress is not known

Answer: B



SSC JE ELECTRICAL MODEL PAPER 1

159. The dead time of an instrument refers to_____.

- A. large change of input quantity for which there is no output.
- B. the time encountered when the instrument has to wait for some reactions to take place.
- C. the time before the instrument begins to response after the quantity has altered.
- D. retardation or delay in the response of an instrument to a change in the input signal.

Answer: C

160. One input terminal of high gain comparator circuit is grounded and a sinusoidal voltage is applied to the other input. The output of comparator will be_____.

- A. a sinusoidal
- B. a full rectified sinusoidal
- C. a half rectified sinusoidal
- D. a square wave

Answer: D

161. A minimum-phase system with no zeros has a phase-angle of - 270° at gain crossover frequency. The system is_____.

- A. stable
- B. unstable
- C. marginally stable
- D. conditionally stable

Answer: B

162. Transfer function of a system is $G(s) = \frac{K}{s^2(1+T)}$. This open-loop system is_____.

- A. stable
- B. unstable
- C. marginally stable
- D. conditionally stable

Answer: B

163. In a closed-loop system in which the output is the speed of a motor, the output rate control can be used to_____.

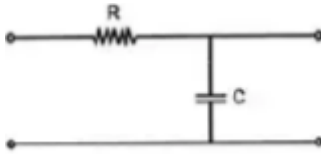
- A. limit the speed of the motor
- B. limit the torque output of motor
- C. limit the acceleration of the motor
- D. reduce the damping of the system

Answer: C



SSC JE ELECTRICAL MODEL PAPER 1

164. If an input signal with non-zero direct current (dc) component is applied to a low pass RC network, then dc component in the output signal will be _____.



- A. the same as that in the input
- B. less than that in the input
- C. more than that in the input
- D. zero

Answer: A

165. An OP AMP has an offset voltage of 1 Mv and is ideal in all other respects. If this OP AMP is used in the circuit shown in the figure, the output voltage will be approximately _____.

- A. 3 V
- B. 2 V
- C. 1 V
- D. 3.5 V

Answer: C

166. A freshly painted layer may be dried electronically by _____.

- A. convective heating
- B. induction heating
- C. dielectric heating
- D. emissive heating

Answer: C

167. Two heaters, rated at 1000 W, 250 V each are connected in series across a 250 V, 50 Hz ac mains. The total power drawn from the supply would be _____ watt.

- A. 1000
- B. 500
- C. 250
- D. 2000

Ans. B

168. What is the maximum length of the flexible conduit in motor installation?

- A. Less than 1.25 m
- B. Less than 2.25 m



SSC JE ELECTRICAL MODEL PAPER 1

- C. Less than 3.5 m
- D. can exceed not more than 5 m.

Answer: A

169. Which among these fuses is very fast in operation?

- A. Semiconductor fuses
- B. High rupturing capacity type
- C. Cartridge type
- D. Kit Kat type

Answer: A

170. What is the factor of safety used for current ratings in a power installation?

- A. 1
- B. 1.5
- C. 1.75
- D. 2

Answer: D

171. Which among these is a method of wiring?

- A. Joint box
- B. Tee system
- C. Loop in system

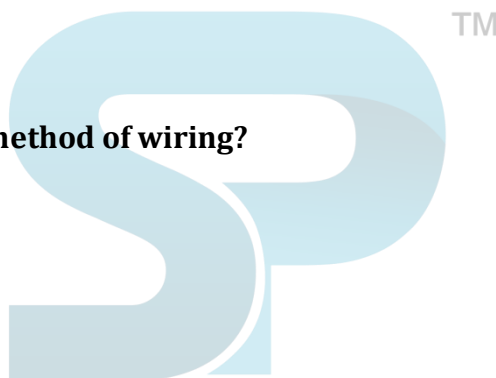
- A. Only A
- B. Only B
- C. Only A and C
- D. A, B and C

Answer: D

172. Which among these is a part of distribution system?

- A. Feeders
- B. Distributors
- C. Service mains

- A. Only A
- B. Only B
- C. Only C





SSC JE ELECTRICAL MODEL PAPER 1

D. A, B and C

Answer: D

173. What is the maximum span up to which the wooden poles can be used?

A. 20 m

B. 50 m

C. 60 m

D. 100 m

Answer: C

174. For what voltage is the H-type of poles used?

A. 22 kV

B. 130 kV

C. 11 kV

D. All options are correct

Answer: B

175. To prevent the decaying owing to snow and rain, the wooden poles are protected by _____ cap at the top.

A. Aluminium

B. Zinc

C. Cement

A. Only A

B. Only B

C. Only C

D. A, B and C

Answer: D

176. Steel rail poles of height 13 meters are used for transmission purpose of ____ voltage.

A. 33 kV

B. 11 kV

C. 22 kV

D. Both 33 kV and 11 kV

Answer: A



SSC JE ELECTRICAL MODEL PAPER 1

177. The squirrel-cage winding of a single-phase motor is placed in the_____.

- A. armature
- B. stator
- C. rotor
- D. field

Answer: C

178. NEMA standards rate motors according to_____.

- A. frame number
- B. horsepower
- C. voltage
- D. weight

Answer: A

179. Which of the following motors is most suitable for signaling devices and timer?

- A. D.C. series motor
- B. D.C. shunt motor
- C. Two phase induction motor
- D. Reluctance motor

Answer: D

180. The purpose of skewing of rotor slots in induction motor is_____.

- A. to reduce the magnetic hum of the motor
- B. to increase the distribution factor
- C. to reduce the locking tendency of rotor
- D. to increase the breadth factor

Answer: C

181. In an induction motor, if the rotor resistance is equal to stand-still reactance then the maximum torque is_____.

- A. less than starting torque
- B. equal to starting torque
- C. more than starting torque
- D. None of these

Answer: B

182. The m.m.f. produced by a single phase winding is_____.

- A. pulsating and stationary



SSC JE ELECTRICAL MODEL PAPER 1

- B. pulsating and rotating
- C. constant in amplitude and stationary
- D. constant in amplitude and rotating

Answer: A

183. Usually wide and very sensitive speed control is required in case of_____.

- A. Reciprocating pumps
- B. Colliery winders
- C. Centrifugal blowers
- D. Lathe machines

Answer: B

184. Inter-poles are used in_____.

- A. lap wound machines
- B. wave wound machines
- C. both lap and wave wound machines
- D. None of these

Answer: C

185. For the production of induced e.m.f. field system of an electric machine_____.

- A. must be on stator
- B. may be on stator or rotor
- C. must be on rotor
- D. None of these

Answer: B

186. The number of conductors of the compensating winding in a D.C. machine _____.

- A. is always more than the number of armature conductors per pole
- B. is always less than the number of armature conductors per pole
- C. may be less or more than the number of armature conductors per pole
- D. None of these

Answer: B

187. Two D.C. machines 500 kW each are tested by Hopkinson testing method. The power input would be _____.

- A. 500 kW
- B. 100 kW
- C. 1000 kW



SSC JE ELECTRICAL MODEL PAPER 1

D. None of these

Answer: B

188. In a D.C. machine, how are the commutating pole winding connected?

- A. In series with the shunt winding
- B. Parallel to the shunt winding
- C. In series with the armature winding
- D. Parallel to the armature winding

Answer: A

189. In motor circuit static frequency changers are used for _____.

- A. improved cooling
- B. Power factor improvement
- C. reversal of direction
- D. speed regulation

Answer: D

190. In case of travelling cranes, the motor preferred for boom hoist is _____.

- A. slip ring induction motor
- B. squirrel cage induction motor
- C. synchronous motor
- D. single phase motor

Answer: A

191. Light duty cranes are generally used in _____.

- A. automobile workshops
- B. pumping stations
- C. power houses
- D. All options are correct

Answer: D

192. 15 minutes rated motors are suitable for _____.

- A. Light duty cranes
- B. Medium duty cranes
- C. Heavy duty cranes
- D. All options are correct

Answer: D



SSC JE ELECTRICAL MODEL PAPER 1

193. Free running and coasting periods are generally long in case of ____.

- A. Urban service
- B. Sub-urban service
- C. Main-line service
- D. All options are correct

Answer: C

194. Arc blow is a welding defect which is encountered in ____.

- A. arc welding using d.c. current
- B. arc welding using a.c. current
- C. gas welding
- D. thermit welding

Answer: B

195. Portion of the installed reserve kept in operable condition but not placed in service to supply the peak load is known as ____.

- A. Operating reserve
- B. Spinning reserve
- C. Cold reserve
- D. Hot reserve

Answer: C

196. The transmission lines which feed different sub-stations represent ____.

- A. primary transmission
- B. secondary transmission
- C. primary distribution
- D. secondary distribution

Answer: C

197. Transmitting power at high voltage requires more ____.

- A. maintenance and protection of the equipment
- B. faster controls for minimizing the arcing of contacts
- C. larger controls for minimizing the arcing of contacts
- D. All options are correct

Answer: D

198. The conductors used for transmitting power must have following characteristics.

- A. It should have low value of specific resistance.



SSC JE ELECTRICAL MODEL PAPER 1

- B. It should be light in weight and not brittle
- C. It should have low cost and high tensile strength
- D. All options are correct

Answer: D

199. Copper conductors are generally used for transmission lines because it _____.

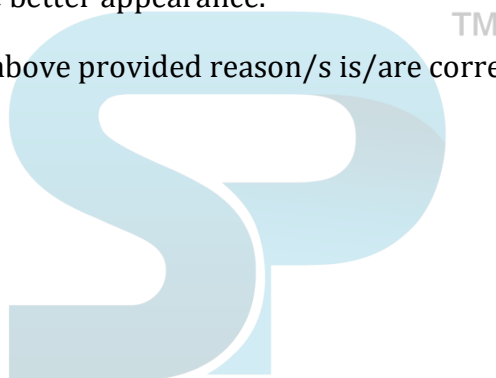
- A. has longer life and high conductivity
- B. is strong enough to allow long spans
- C. requires more support
- D. requires more insulators

Answer: A

200. Steel poles are generally used for transmission lines because

- A. it has more mechanical strength and more life.
 - B. it occupies less space and give better appearance.
 - C. It has high cost. Which of the above provided reason/s is/are correct.
- A. Only A
 - B. Only B
 - C. Only C
 - D. Both A and B

Answer: D





SSC JE ELECTRICAL MODEL PAPER 1

Stay Connected With SPNotifier



TM



[SSC JE Roles and Responsibilities](#)

[SSC JE Salary and Perks](#)

[SSC JE Career Growth](#)

[SSC JE Document Verification](#)