

**RRB Mumbai Junior Engineer Solved paper-5 (2007)**

**Directions Q: 1-2:** In these questions, select suitable word/phrases to fill in blanks 1. He

deals\_\_\_\_\_ grocery nowadays.

1. out 2. in 3. with 4. for

**Answer: 2**

2. He is popular\_\_\_\_\_ his subordinates

1. through 2. with 3. within 4. in

**Answer: 2**

**Directions Q: 3**

-

4: In these equations, select a word which is opposite in

meaning to the given word in

Capital letters.

3. F

INALLY

1. Lately 2. Timely 3. Usually 4. Initially

**Answer: 4**

4. PERMIT

1. Check 2. Disallow 3. Decline 4. Allow

**Answer:2**

**Directions (Q.Nos. 5**

-

7): In following questions a word has been written four

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different ways out of which

only one is correctly

spelt. Find the correctly spelt word.

5. A) Occasonal B) Occassional C). Occasional D) Ocassional

Answer: C

6. A). Arearrs B) . Arierrs C) Arrears D) Arriers

Answer: C

7. A) Warranty B) Warrantey C) Waranty D) Warantey

Answer: A Directions Q: 8

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10: In each of the following questions, a sentence has

been divided into three parts and

they are marked (1), (2) and (3). Find out the part in which there is an error mark its

number as your

answer. Mark (4) as your answer if t

here is no error.

8. Not only he/but also his son were blamed for the act and rightly so/No error (1) (2) (3)

(4)

Answer: (2)

9. Shanta is a student / whom we all expect / will stand first in the lass / No error

(1) (2) (3) (4)

Answer: (2)

10. I a

m obliged with you / and your entire family / for showing kindness to us / No error

(1) (2) (3) (4)

Answer: (1)

11. The earth orbits around the sun making one revolution

1. every day 2. every month 3. every year 4. every ten years

Answer:3

12. Who

among the following won the Nobel Prize in Physics?

1. C.V. Raman 2. J.C. Bose 3. R.N. Tagore 4. None of these

Answer: 1

13. In which state is Bhakra

-

Nangal dam located?

1. Punjab 2. Uttar Pradesh 3. Maharashtra 4. Uttaranchal

Answer: 1

14. What is

the voltage of domestic electric supply in India?

1. 220 Volts AC 2. 220 Volts DC 3. 440 Volts AC 4. None of these

Answer:1 15. Which of the following is the capital of the state of Uttaranchal? 1. Allahabad 2. Haridwar

3. Dehradun 4. Ranchi

Answer:

3

16. The kuchipudi dance originated in

---

1. Andhra Pradesh 2. Tamil Nadu 3. Kerala 4. Karnataka

Answer: 1

17. Which of the following gases is lightest?

1. Nitrogen 2. Carbon dioxide 3. Hydrogen 4. Oxygen

Answer: 3

18. Which of the following does not fit into the series: 1, 3, 7, 15, 27, 63, 127?

1. 7 2. 63 3. 27 4. 15

Answer: 3

19. Which of the following is different from the other three?

1. CBUV 2. YXTU 3. RQOP 4. JIML

Answer: 4

20. If the first day of a year

(which is not a leap year) is Friday, then what will

be the last day of that

year?

1. Saturday 2. Friday 3. Monday 4. Tuesday

Answer: 2

21. The National flower of India is

1. Rose 2. Marigold 3. Lotus 4. sun flower

Answer: 3

22. Which of the following is the highest Civilian Award of India?

1. Padma Vibhushan 2. Ashok Chakra 3. Bharat Ratna 4. Param vir Chakra

Answer: 3

23. Which of the following planet is nearest to the Sun?

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1. Mercury 2. Earth 3. Jupiter 4. Venus

Answer: 1

24. In a code language

HOUSE is written as INVRF. How will CROWD be written in that language?

1. DQPVE 2. DQPVK 3. DQVPE 4. DQEOPV

Answer: 1

25. Arrange the following words in a logical order:

I. Cotton II. Cloth III. Suit IV. Thread

1. I, II, IV, III 2. I, IV, II,

III 3. II, I, IV, III 4. IV, I, II, III

Answer: 2

26. What is related to WOLF in the same way as PIT is related to TIP? 1. FOWL 2.

BLOW 3. FLOW 4. GLOW

Answer: 3

Directions Q: 27 to 29 In

these questions, which alternative will come in place

of the question mark?

27. FED : MKI :: PON : ?

1. WUS 2. IHG 3. MNO 4. WVU

Answer: 1 28. K/T : 11/20 :: J/R : ?

1. 10/8 2. 10/18 3. 11/19 4. 5/9

Answer: 2

29. Which of the following will come in

---

place of the question mark in the series

given below

KNZ, MKX, OHV, QET, ?

1. SAR 2. SAQ 3. SBR 4. RAR

Answer: 3

Directions Q: 30

-

34: In these questions, what will come in place of the question marks?

30.  $22222/? = 11$

1. 20202 2. 2022 3. 222 4.

None of these

Answer: 4

31.  $3848 / 16 + 9 = ?$

1. 240.5 2. 249.5 3. 24.05 4. 33.5

Answer: 2

32.  $9/4$

-

$?/16 = ?$

1. 80 2. 36 3. 20 4.  $2\frac{1}{4}$

3. fuses 4. All of these

Answer: 3

45. The main function of a switch is to safely

1. Break the c

---

ircuit

2. Make the circuit
3. Make and break the circuit
4. Regulate the current flow in the circuit

Answer: 3

46. In house wiring employing looping in and looping out system, neutral is looped in and out from

1. ceiling rose
2. lamp holder
3. sock

et

4. All of these

Answer: 4

47. Electrical fires should only be extinguished by the use of

1. water
2. carbon tetra chloride fire extinguisher
3. foam type fire extinguisher
4. Anyone of these

Answer: 4 48. Heavy current in dc circuits can be measured with the aid of

1. CT in line
2. shunt resistance in series with meter
3. shunt resistance in parallel with meter
4. None of these

Answer: 3

---



49. Hysteresis and eddy current errors will be least in

st in

1. M.I. instruments
2. Dynamometer instrument
3. M.C. Instruments
4. All of these

Answer: 2

50. In a pure resistive circuit,

1. current is in phase with the voltage by 90 degree
2. current lags behind the voltage by 90 degree
3. current leads the voltage by 90 degree
4. current can lead or lag the voltage by 90 degree

Answer: 1

51. By heating a conducting material, the conductivity of the material

1. Increases
2. Decreases
3. Remains the same
4. May increase or decrease

Answer: 1

52. In

an N

-

Type semiconductor the minority carriers are

1. electrons
2. holes
3. free electrons
4. None of these

Answer: 2

53. The relative permeability for a superconductor is

---

1. infinity 2. zero 3. unity 4. positive

Answer: 3

54. Universal Motor is used in

1. A.C 2. D.C 3. AC and DC 4. None of these

Answer: 3

55. Synchronous Motor is

1. Self Started 2. To start using another motor 3. Squirrel eage type 4. None of

These

Answer: 2

56. In India, the domestic supply of voltage is

1. 250

-

300V 2. 110

-

220V 3. 220

-

230V 4. 400

-

420V

Answer: 3

57. The supply frequency in India is

1. 50Hz 2. 40Hz 3. 25Hz 4. 60Hz

Answer: 1

58. Which winding in a transformer has more number of turns?

---

1. Primary winding
2. Secondary winding
3. High voltage winding
4. Low voltage winding

Answer: 3

59. Iron core of power transformer is laminated

1. to reduce copper losses
2. to reduce hysteresis losses
3. to reduce eddy current losses
4. Both (1) and (3)

Answer: 2

60. In a transformer, hysteresis losses can be reduced

1. by reducing the thickness of the iron core laminations
2. by controlling silicon content of the steel laminations
3. by reducing the load on the transformer
4. None of these

Answer: 1

61. Why Lubrication

is done

1. To Increase the speed
2. To Prevent Friction between the Mating Parts
3. To avoid heat
4. None of These

Answer: 2

62. The Height of switch board fixed is usually

---

1) 3 Meters 2) 9 Meters 3) 1.5 Meters 4) 0.25 Meters

Answer : 3

63. In a c

iling fan employing capacitor run motor

1. primary winding surrounds the secondary winding
2. secondary winding surrounds the primary winding
3. Both are usual arrangements
4. None of them are usual Arrangements

Answer: 3

64. The zenor diode will re

gulate so long as it is kept in

1. forward conduction
2. idle conduction
3. reverse conduction
4. None of these

Answer: 1 65. In radio communication the medium of communication is

1. antenna 2. radar 3. space 4. satellite

Answer: 2

66. The sound is

characterized by \_\_ and amplitude

1. velocity 2. pitch 3. frequency 4. medium

Answer: 2

67. The LED light is mainly emitted because

1. diode emits light when heated
-

2. recombination of charge takes place

3. it follows the heating laws

4. None of these

Answer: 2

68. Generally bridge rectifiers are preferred because

1. they require less input

2. they require big size of transformer

3. they require less peak inverse voltage

4. None of these

Answer: 3

69. The common base configurati

on amplifier is used

1. in low frequency circuitry

2. in very high frequency circuitry

3. in medium frequently

4. None of these

Answer: 2

71. The FET can be used as

1. capacitor 2. inductor 3. variable resistance 4. None of these

Answer: 3 72. The

force which controls the deflecting force is known as

1. controlling force

2. deflecting force

3. damping force

---

4. None of these

Answer: 3

73. The moving coil type instruments are best suited for

1. dc Measurements

2. ac Measurements

3. ac/dc meas

urements

4. power factor measurements

Answer: 2

74. The scale of hot wire instrument is

1. even

2. uneven

3. crowded in the beginning

4. crowded in the end

Answer: 3

75. The

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Cells convert light falling directly in to electric current

1. Photo Voltaic 2. Photo 3. Vacuum 4. gas filled

Answer: 1

76. As the current flows, the

-----

is setup around coil

1. Magnetic flux

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2. Electric flux

3. Resonance

4. Amplitude

Answer: 1

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