

#GEPCO

#Junior_Engineer

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Islamic

1). The Sin mentioned in the Quran, which will never forgive ?

Shirk✓✓

2). First moazin of Islam?

Hazrat Bilal (RA) ✓✓

3). Safi ullah is the title of ?

Khalid ibn Al-Walid ✓✓

Current Affairs

4). Chairman NAB?

Justice R Javed Iqbal ✓✓

5). Chairman FBR?

Sabbar Zadi✓✓

6). Speaker of Punjab assembly?

Pervaiz Elahi✓✓

7). Governor Sindh?

Imran Ismail ✓✓

Pak Studies

8). The binding forces of Pakistan are ?

Islamic ideology ✓✓

9). Definition of state ?

Population, sovereignty , government, constitution ✓✓

10). Pakistan is a sovereign ?

Islamic Republic ✓✓

11). No of provinces of Pakistan after independence ?

Ans 5 ✓✓

IT

12). MS DOS stands for?

Microsoft disk operating system ✓✓

13). In Mircrosoft Window graphic App is

Paint. ✓✓

14). In MS word, To send letter to many customers?

Mail merge ✓✓

15). Header and footer is used in the document ?

To allow page headers and footers to appear on document when it is printed ✓

16). Landscape and portrait are ?

Paper Orientation ✓✓

Quantitative

18). $(-6)*(-2)=+12$ ✓✓

19). $(x-2)(x-3) = x^2-5x+6$. ✓✓

20). $(90)^2 -(70)^2 = 3200$ ✓✓

21). 120 men complete a certain piece of work in 90 days... How many men required to complete the work in 40 days?

270 men ✓✓

22) Two Angles are when they add up to 180 degree

A) Supplementary Angle ✓✓

Subject

23). In shunt type ohmmeter, full scale deflection current indicator is Marked

Infinity ✓✓

24). Two bulbs rated at 25W , 110 V and 100 W 110 V are connected in series to a 220 V supply what will happen to the circuit?

25 W bulb will burn out ✓✓

25). Application of ASCR?

26). Value of back emf in a dc motor is maximum at...

No Load. ✓✓

27). Thyristors di/dt protection is provided through the use of.....

L in series with Thyristor ✓✓

28). Thyristors dv/dt protection is provided through the use of.....

RC across Thyristor ✓✓

29). Class A Amplifier has how many transistors?

Two ✓✓

30). A cell supplies a current of 0.9A through an external resistor of 2 ohms and a current of 0.3A through an external resistor of 7 ohms. What is the internal resistance of the resistor?

0.5 Ohms ✓✓

31). DC motor back emf equation is given by

$V = E_b + I_a R_a$ ✓✓

32). Semiconductor has which type of bond?

Covalent Bond ✓✓

33). Common semiconductor material is?

Silicon ✓✓

34). If emitter and collector are reverse biased then? (cut-off, saturation, active, inverted)

35). Multilayer and 3 terminals device?

TRIAC ✓✓

36). SCR is

PNPN ✓✓

37). Location of zener region can be controlled by??

Dropping Level ✓✓

38). Relationship b/w Frequency and Synchronous Speed

$f = N_s P / 120$ ✓✓

39). In a transformer core flux is proportional to?

40). Speed of DC motor is?

Inversely proportional to flux per pole ✓

41). Maximum flux produce in a core of Transformer is.....?

Directly proportional to supply frequency ✓✓

42). Three resistors of 1,2,3 ohm respectively connected in a triangle, and the cell of 1.5V is connected across 3 Ohm resistor what will be the current?

1 ✓✓

43). Three Resistors in Series Dissipate 10 W together. If Now these are Connected in Parallel then total Power Dissipated will be

90W ✓✓

44). In a shunt dc motor takes current of 5A at 100V supply, its field resistance is 50 ohm, and armature resistance is 0.2ohm, what will be its rotor output?

300W ✓✓

45). Two equal resistors are connected in series with a supply , if these resistors are connected parallel , then power dissipated?

Four Times ✓✓

46). The rotor of synchronous motor is excited with direct current when the motor is.....

Approach Synchronous speed ✓✓

47). Find Application of Speed control of D.C motor

SCR ✓✓

48). Armature reaction in dc generator can be increase by increasing?

Armature current ✓✓

49). The current in coil of resistance 90 ohm, is to be reduce by 90% the other resistance should be

10 ✓✓

50). Current gain of Darlington pair consisting of Q1 and Q2?

$B1 * B2$ ✓✓

51). Crystal diode used as?

Rectifier ✓✓

52). Crystal diode is device??

Non Linear ✓✓

53). The most common use of rectifier diodes in:

DC Motors ✓✓

54). Current Voltage characteristics of the TRIAC is

Symmetrical ✓✓

55). Thyristor can turn on with Minimum input current that current is called

Trigger Current ✓✓

56). The greatest percentage of heat loss in a DC machine is due to the_____?

Copper loss ✓✓

57). Which diode cant handle much reverse voltage?

Power diode / signal diode ✓✓

58). In two watt meter method, if p.f is 0.5, the reading on one of the two meters is?

0 ✓✓

59). If p.f in two watt meter method is 1, readings on meters are

Identical ✓✓

60). Where controllable switch is turned on and switches off at zero voltage zero current is

Quasi resonant ✓✓

61). In AC, variable frequency drive (VFD) output to the load??

Variable frequency and adjustable voltage ✓✓

62). In a single phase rotary converter the number of slip rings will be

Two ✓✓

63). In n channel FET when ($V_g < V_s$), for conduction the condition is:

$V_s > V_d$ ✓✓

64). In power converter to be more specific ac to dc and dc to ac

Inverter ✓✓

65). Rotor of induction motor rotates ??

In direction of stator flux ✓✓

66). Latched on by control signal must be turned off by external circuit

Thyristor?

67). N similar resistors each of resistance is r. When connected in parallel their total resistance is equivalent to R. Now when these resistors are connected in parallel what will be the total resistance?

$N^2 R$ ✓✓

68). how to increase the range of voltmeter?

Series multiplier???

69). For the same rating, p.f. of single phase induction motor is..... That of 3-Phase induction motor

70). A Heater of 2000W and a fan of 1000W are connected in series... The resistance of Heater is??

Less than that of fan ✓✓

71). When cells are arranged in series??

EMF increase ✓✓

72). When the number of resistance are connected in parallel, the total resistance is.....?

Less than the smallest resistance ✓✓

73). Time taken by Diode changes from reverse to forward bias is

1 Forward recovery time

2 Revers recovery time

74). Two lamps

1. 100W 200V

2. 40W 200V

are connected in Series then Tatal resistance will be

1400 Ohms ✓✓

75). The doping level of zener diode is..... Of crystal diode???

More than ✓✓✓

76). When resistance are connected in parallel, the current divide itself in...?

Invers ratio of resistance ✓✓

77). Silicon semiconductor has a forward voltage drop is?

0.7 ✓✓

78). The ripple factor of half wave rectifier is.....?

1.21 ✓✓

79). Clamper circuit consists of capacitor and diodes, arrangement of capacitor and diode with respect to load is..????

Diode is in parallel and capacitor in series. ✓✓

80). The most commonly used semiconductor material is?

Silicon ✓✓

81). Induction wattmeter can measure?

Ac power only ✓✓

82). Which of the following is not a part of clamper circuit

Inductor ✓✓