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| Paper Type | : Whole Testpaper |
| Test Date | : 6 April 2008 |
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ENGINEERS INDIA LIMITED PAPER ON 6TH APRIL,2008

Hai, This is Naresh Gurram {B.Tech (EEE) (SBIT, Khammam, AP)} with the help of my friend M. Bhaskar here I am submitting EIL question paper, we wrote the test on 6th April 08.

Here we are Posting the qns which we remembered .Friends prepare the basics thoroughly since the tech. paper covered all the topics which are related to our engineering subjects like, T, CONTROL SYSTEMS, ELECTRICAL MACHINES,

POWER SYSTEM (max qns),

MEASUREMENTS,

POWER ELECTRONICS,

APTITUDE (2 to 3 qns), & GEN PHYSICS (ie mechanical engg qns)

General knowledge & GEN ENGLISH (3 or 4 qns),

Questions: 150

Duration: 2 h

It consists of two sections

I. General knowledge & current affairs

II. Technical paper (different for different streams)

One important point is , in 2007 Eil paper , most of the qns are based on measurements & Instrumentation but in 2008 ,most of the qns are from

Power systems. So don't depend on one subject. The qns are simple, only 20 % qns require simple analysis. But for wrong ans $\frac{1}{4}$ -ve is deducted. And the cut off is also a bit high ie varies from 100-110.

Section - I

1. First women Prime minister in the world.....

a) S.Bandarunaike b).....

2. In the following countries which is not included in SARC?

a) India b) Pakistan c) Afghanistan d) Srilanka

3. The No of judges is in the Supreme Court sit in front of main justice

- a) 36 b) 24 c) 30 d) 28
4. The % of forests in India
- a) 6% b) 19% c) 22.5% d) 28%
5. On which date & year Indian constitution came into force....?
6. Which state having highest costal line In India?
- a) Orissa b) Karnataka c) Andhra Pradesh d) Kerala
7. The No of spokes in Ashoka chakra.....
- a) 36 b) 24 c) 30 d) 28
8. In which state 'sun temple' is located?
9. In India which crop depends on mainly on rainfall?
- a) Paddy b) wheat c) barja d)....
10. From which form government gets more Income?
- a) direct taxes b) indirect taxes c) interests d).....
11. Which income is not shared by state govt. from central govt.
- a) i/c tax b).....
12. The first Indian educational satellite launched by ISRO is
- a) EDSATILL b) EDUSAT c) EDUSALLL d) SATEDUCATION }
13. In which place Indian Institute of ocean Technology is located?
- a) Mumbai b) Hyderabad c) Bangalore d) Chennai
14. The fast Bowler who claims the hat trick wickets in ODI match.
15. Who became the captain of Indian team at the youngest age?
16. In the following which is not the function of vitamins
- a) to give energy b) In digestion c).....
17. Who got the 'raman megasis' award?
- a) M.Swaminathan b).....
18. The 2006 commonwealth games are conducted in
- a) London b) Melbourne c) Switzerland d).....
19. On which matter recently Benajeer Butto appears in News?
20. On which day we celebrate the youth day?
- a) jan 9 b) jan 12 c) jan 24 d) jan 31
21. world health day march 12 / april 24 / oct 15.....
22. The first deputy PM of India
- a) sardhar patel b) Rajendra Prasad c).....
- 23 'Geetanjali' is written by Tagore / Rajendra Prasad / sardhar patel

24. The famous Orissa dancer.....
25. The parliament 'Nityanidhi' belongs to
 a) Nepal b) c) Bangladesh d)....
26. The famous Indian who spoke ' jai javan jai kisan '
 a) sarjioni devi b) Indira Gandhi c) Rajaram d).....

Up to 50.

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Section - II

51. The resistance of earth wire in ohm is
 a) 1 b) 20 c) 100 d).....
52. In which connection the distribution T/F is connected?
 a) Δ / Y b) Y / Δ c) Δ / Δ d) Y / Y
53. Skin effect is proportional
 a) f b) f^2 c) doesn't depend on f d).....
54. A 3P supply is connected in Y connected Resistance. If one of the resistors is removed then the % of reduced load is
 a) $33 \frac{1}{3}$ b) 50 c) $66 \frac{2}{3}$ d) 75
55. A 25MVA 3300/400V T/F is termed as per winding is
 a) primary 3300V & Secondary 400V
 b) primary 3300V & low voltage winding 400V
 c) High voltage winding 3300V & Secondary 400V
 d) High voltage winding 3300V & low voltage winding 400V
56. T/F oil is useful for
 a) protection & cooling b).... c).....
57. Buchholz relay is used
 a) protection T/F b) oil T/F c) Air core T/F d).....
58. Resistor switching is used in which type Circuit Breaker?
 a) oil filled CB b) Air blast CB c) Gas filled CB d).....
59. Comparing to AC transmission, corona & R in DC transmission is.....
 a) lower b) higher c) same d)
60. Form factor is the ratio of
 a) peak to avg b) rms to avg c).... d).....
61. To transmit the Power which must be present...?

- a) Reactance b) Resistance c) Capacitance d) none of above
62. If the characteristic Impedance is equal to load Impedance then.....
- a) voltage will be increased b) power transmission is zero c) d) max. power is transmission to load
63. In general the conductor used in transmission system is
- a) cu b) ACSR c) d).....
64. In EHV tranm. The conductors are
- a) Cu rods b) Cu bars with Si c) Cu tube with Si plate d).....
65. The normal highest generated voltage in India is
- a) 6.6KV b) 132KV c) 11KV d).....
- 66 From the point of economy, the voltage of transm. is.....
- a) small b) medium c) high d) very small
- 67 In general the insulation of conductor depends on
- a) lighting Voltage b) switching V. c) surge vol. d).....
68. the max. power will be transferred if
- a) sending end vol. is high b) receiving end v is high c)..... d) corona loss is least
69. By which compensation the stability is increased
- a) shunt compns b) series compn c) .. d).....
70. Meggar is used for measuring
- a) low resistance b) medium resi c) high & insulation resis
71. Moving Iron instruments are applicable with
- a) DC only b) AC only c) DC & AC
72. Meggar is used to find the resistance in
- a) short ckt condition b) O/C cond c) at high resistance
73. Inductance is measured by
- a) weins bridge b) Schering c) Maxwell's bridge d).....
74. low resistance is measured by.....
- a) resistance box b) Anderson bridge c) Kelvin-double brdg d)....
75. Induction type 1-p wattmeter reads
- a) true value b) apparent value c) volt ampere value d).....
76. The string chat is used for
- a) To measure Insulation b) To decide the distance b/w towers c).... d)..

77. The string effcy in AC sys is 80% Then for same power, the string effcy in dc sys is
- a) less than 80% b) 80% c) more than 80% d) zero

78. The machine with same rating, with increase in voltage then
- a) size increases b) cost increases c)..... d).....
79. The temperature rise in the sys, which leads to
- a) Increases stress & length b) increases stress but decreases length c) Decreases stress & increase length d) decrease stress & length
80. The min. distance from cable to foundation of Building is
- a) 1cm b) 10cm c) 100cm d)1000cm
81. In single core cable which is not present
- a) sheath b) steel armouring c)...
82. The component which is the ore of lead.
- a) ceramic b) citric c).....
83. To absorb the lightning surges which of the following is used...?
- a) Breather b) Conservator c) Horn Caps d)....
84. The coefficient of reflection in open ended transmission is
- a) -1 b) 0 c) α d) 1
85. For 50KVA & 132KV base voltage base voltage, the p.u. impedance is 0.4 ohm then for 100KVA & 132 KV base voltage then the p.u impedance isohm
- a) 0.4 b) 0.8 c) 0.2 d) 1.6
86. According to underground cables
- a) stress b/w sheath & conductor is high b) inrush of core & conductor c)..... d)...
87. The corona effect is more in
- a) summer b) winter c) dry weather d) humidity weather
88. One joule cycle is
- a).... b).....
89. One Q. depends on energy meter, ie which measures power in general (not exactly.....)
- a) ampere hour meter b) volt-ampere meter c) watt-hour meter d).....
90. In radial network the source is fed from
- a) One end b) both ends c) at central d)
91. In Indicating instrument some error is shown when meter is in full scale deflection, then error is
- a) same for half scale def. b) same at any deflection c) less than full-scale def. d) half at half scale def.
92. The reactive power at the load end
- a) Proportional to sending end vol. b) Proportional to line vol drop. c) Proportional to

line reactive vol drop d).....

93. Which of the following is high speed turbine

a) wind b) steam c) hydro d).....

94. The steady state stability limit is max. when.....

a) low regulation voltage b) high sending end voltage c) low line reactance
d).....

95. Synchronous M/C with under excitation with reactive power absorption , acts as

a) synch. Motor b) synch gen c) synchr capacitor d).....

96. Q based on pettier ▲leie what's the ratio of resistance something
like.....

97. At the time of Arc extension ,the arc quenching at

a) zero vol b) zero current c) maxi vol d) maxi current

98. Over excited operation of Syncr M/C is for....

a) lead compensation b) lag cmp. c) lead lag com. d).....

99. A 10KVA T/F having cu loss at full load is 1600W, when operated at half load the cu loss
would be in W

a) 800 b)1600 c) 200 d) 400

100. The rating of syncs gen is 75KW at 0.8 pf means.....

a) The m/c delivers 75kw to lagging loads only
b) The supply for gen is 75kw at 0.8 power factor
c) The rating of gen is 75kw and gives 0.8 pf lagging
d)

101. One Q depends on armature reaction.....what is the cause of demagnetization.....

102. The skin effect is minimum when the conductor is in the shape of.....

a) circular b) flat c) oval d) hallow

103. Damper bars used in syn gen is to ...

a) reduce the losses b) produce the induction action c) reduce unbalances d).....

104. The o/p of controller is given to...

a) sensor b) amplifier c) processor d)....

105. PID controller is used for which type of compensation.....

a) lead comp. b) lag com. c) lead lag com. d).....

106. One simple Q based on Root locus.....

107. The gain margin or phase margin r calculated to find the.....

a) time response b) f resp. c)..... d).....

108. In a 3p full converter the conducting angle b/w two diodes is

- a) 60o b) 90o c) 120o d) 120o

109. To fed the RL Load ,How many components are in 1p inverter ...

- a) 2 diodes b) 2 thy 2 D c) 2 Thy d).....

110. One Simple Q on overlapping of two thyr

111. Two more Q on Basics of PE

113. According to Thyr wnich of the foll is correct?

- a) holding curnt > latching crnt

- b) holding curnt < latching crnt

- c)

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149.

150.

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EIL PAPER ON 6th APRIL AT DELHI

Hi Friends !! I am Amit and have attanded the EIL paper on 6 April 2008. This placement paper I am also sharing with you as there was no paper for the Civil Engineering or the good Aptitude Paper. The paper was not so simple as the other examination that I gave perviously. The civil paper was also as the par as the GATE. The paper was of objective type with 4 multiple type answer and there was 1/4 negative marking.

APTITUDE PAPER

I am writing the question as I remember.

1. Who was the first deputy prime minister of India.

Option -1. Gulzari lal nanda 2. Sardar Patal 3. Jagjivan Ram

2. What type the Indian Economy is

1. Socialist 2. Developed 3. mixed 4. Captalist

3. Which country is land locked

1. Angola 2. Zimbabwe 3. Tanzania 4. Nigeria

4. Who got the Ramon Magsaysay Award 2007 this year. there are few names I don't remember.

5. Who was the youngest captain in the Indian Cricket?

1. Nawab Pataudi 2. Sachin Tendulkar 3. Lala Amarnath

6. Who among these is an Odissi Dancer.

1. Hema Malini 2. Megha Panigrahietc there are also few names.

7. Term "Roll On" comes in which game ?

1. Cricket 2. Tennis 3. Golf 4. Chess

8. Which has the longest coastline ?

1. Karnataka 2. Kerala 3. Tamil Nadu 4. Maharashtra

9. In which the Sun Temple is situated

1. Orissa 2. Madhya Pradesh 3. UP

10. Who is the main God in the Rig Veda

1. Agni 2. Indra 3. Pashupati 4. Surya

11. Which tax is not shared by the central govt. with the state govt.

1. Income tax 2. Excise Dutyetc.

There are also some Reasoning questions but they are hardly 4 or 5. and they are very simple with no quantitative questions.

CIVIL ENGINEERING

The civil paper was tough and you can compare with it to the GATE paper. the numericals that are given were formula based and you can do if you know the formula.

1. What is the Permissible absorption of the first class brick?

1. 15% 2. 20% 3. 25% 4. 10%

2. If the load is in the central line of the rivet group then what would be the force in the rivet

1. tension 2. bending 3. Pure shear 4. shear and tension

3. there was a numerical question on the transition curve length and was straight formula based/

4. There was a numerical of the superelevation but it was not straight formula based.

5. There was also a question on the design of the scissor crossing.

6. What is the maximum conflict point in the two way road crossing with two lanes .

1. 32 2. 12 3. 24 4. 20 the correct answer is 32.

7. the oxygen sag curve is due to
 1. Deficient in oxygen 2. bod 3. COD
- 8 . There was also a very simple question on the BOD.
9. there was a numerical no the design of the grit chamber.
- 10 there was also a question on the grit chamber.
11. If the void ratio of a soil is 0.7 and the thickness is 3 m and if the void ratio becomes 0.9 then what would be the thickness of the soil
- 12 Equipotential line and stream line intersect with each other
 1 orthogonally 2 form square 3. bend
- 13 In the cantilever beam the cubica parabola due to bending moment
 1. Udl 2 Point load 3 triangular load there are also few question from the dynamics of the 12th class
14. what is the min grade of conc. in the IS 456 2000.

there are question from all the fields you can think of and there level are very tough I think the cut off would not 110 as said before by the senior.

I want to share with you that the next day there was university test of mine and I could not perform well in that Because of the EIL

BYE take care!!!!

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EIL PAPER ON 6th APRIL AT BANGALORE

Hi friends, This is shiva, I am from instrumentation background. I had attended for the Engineers India Limited (EIL) exam on 6th April, 2008 in Bangalore . Before that I want to reveal one thing, before few days I have searched for the eil papers in freshersworld, but I cant get anything, so I am uploading this after I attended for the exam. I think it may be useful for anyone of freshersworld visitors.....
 Getting into the details.....

The entire test comprises of two sections, they are

1. General Awareness

2. Technical paper

Total 2hrs time for the test.

In **whole test paper** there is no aptitude questions n one more imp thing is negative marking is there, for every wrong answer 1/4th mark will be deducted. The paper comprises of 150 questions, 50 are General awareness and remaining 100 are technical questions. All are multiple choice questions.

The **General Awareness paper** is fully comprises of General Knowledge. Candidates those who have sound knowledge in the general knowledge can answer the paper easily. Since I am very poor at GK, I attempted it very poor, Some of the questions which I remembered in them are.....

1. Who was Ramansay award winner in the yr 2006?
2. In the yr 2006 commonwealth games are held in?
a) Melbourne b)Malasia etc
3. Under the chief judge of the supreme court, how may judges are there?
a)28 b)24 c)26 d)32
4. In below names, which musician was deaf?
Some names of the musicians are given
5. Who was the first deputy prime minister of India ?
a)morarji desai b)charan c)s.patel etc
6. Who was the first woman prime minister in the world?
Some names of women prime minsters are given.
7. Who is the writer of Gitanjali?
Ans: Rabindranath Tagore
8. Who said first “Jai Kisan, Jai Javan”?
a)jawaharlal Nehru b)mahatma Gandhi c)Indira Gandhi d)
9. Where is the OPEC head office located?
a) Geneva b) Vietnam c)Singapore d).....
10. In which state in India the sun temple located?
a) kerala b)Madhya Pradesh c) orissa d) Andhra pradesh
- 11 How many spokes are there in the ashoka chakra in Indian flag?
a)24 b)26 c)28 d)22 ans: 24
12. Who was the present secretary for United Nations?
13. Who was the only Indian have the name viceroy during the british rule?
Some names of freedom fighters are given.
14. How much percent of forests are there in India ?
a)22% b)19% c)25% d)30%
15. The term “Roll In” is used in which game?
a)tennis b)golf c)hockey d).....
16. In which form Government will get the more profit than any other?
a)Direct taxes b)Indirect taxes c)exise tax d)estate tax
17. Name the fast bowler in cricketer who take the hatrick?
a)kapil dev b) Some names of the cricketers are given.
18. In which year the “Dakshina Gangotri“ was established?
a)1982-83 b)1983-84 c)1985-86 d)1991-92

Some more questions are given on current affairs, if u have the habit of reading newspaper then that questions will be easy. These are some questions from general awareness. (50 questions in this section).

Coming to the **Technical paper**, it will consist of 100 questions. Since I am from instrumentation background.

The paper consists of questions fromTransducers,Digital Electronics, Telecommunications and Telemetry, Analog Electronics, Electronic Devices and Circuits, Process control, Industrial Instrumentaion. But more questions came from Transducers, Process Control, Industrial Instrumentation.

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