



Teachingninja.in



Latest Govt Job updates



Private Job updates



Free Mock tests available



Visit - teachingninja.in

GSECL
Vidyut Sahayak
Plant Attendant
Previous Year Paper
(Electrical) 01 Jul 2018



Question No.1

1.00

Bookmark ☐

નીચેમાંથી નિદેશર્થ વાક્ય કયું છે ?

- ☒ વરસાદના દિવસો આવી ગયા છે - (Alternative 1)
- ☐ વરસાદના દિવસો જલ્દી આવશે એવું લાગે છે - (Alternative 2)
- ☐ હવે તો વરસાદના દિવસો આવવા જોઈએ - (Alternative 3)
- ☐ વરસાદના દિવસો આવે તો સારું - (Alternative 4)

Question No.2

1.00

Bookmark ☐

એક જ અર્થઘટન કરતી કેટલી કહેવતો નીચેના ઉદાહરણ તરીકે આપવામાં આવી છે?

1. પારકે ભાણે મોટો લાડુ
2. દૂરથી ડુંગર રળિયામણાં
3. માથા કરતાં પાઘડી મોટી
4. આપકી લાપસી

- ☐ કુલ 2 - (Alternative 2)
- ☐ માત્ર 1 - (Alternative 1)
- ☒ કુલ 3 - (Alternative 3)
- ☐ કુલ 4 - (Alternative 4)

Question No.3

1.00

Bookmark ☐

આજ્ઞા' શબ્દ ને તદ્વિત પ્રત્યય લગાડતાં કયો શબ્દ બને?

- ☐ આજ્ઞાળુ - (Alternative 1)
- ☐ આજ્ઞાધીન - (Alternative 2)
- ☒ આજ્ઞાકારી - (Alternative 3)
- ☐ અનુજ્ઞા - (Alternative 4)

Question No.4

1.00

Bookmark ☐

ભલે કુશળ હોય પણ વધુ સંખ્યામાં લોકો ભેગા થાય તો કામ બગડે - ના અર્થ ની મૂળ કહેવત કઈ?

- ☐ ઝાઝા હાથ રળિયામણા - (Alternative 2)
- ☒ ઝાઝી સુચાણીએ વેતર વંદે - (Alternative 1)
- ☐ રાત થોડીને વેશ ઝાઝા - (Alternative 3)
- ☐ એકને હાથે કામ સારું થાય. - (Alternative 4)

Question No.5

1.00

Bookmark ☐

રૂબરૂ મળ્યા તુલ્ય માની પધારશોજી અને હું કેવળ તમારા માન ખાતર જ આવીશ.' આપેલ ઉદાહરણમાં કયા ક્રમ માં કયા નિપાત નો ઉપયોગ કરાયો છે.

- ☐ ભારવાચક, સીમાવાચક, વિનયવાચક - (Alternative 2)
- ☐ સીમાવાચક, ભારવાચક, વિનયવાચક - (Alternative 1)
- ☐ વાક્યમાં માત્ર કોઈ નિપાત છે જ નહીં. - (Alternative 3)
- ☒ વિનયવાચક, સીમાવાચક, ભારવાચક - (Alternative 4)

Question No.6

1.00

Bookmark ☐

જ્યાં જ્યાં નજર મારી ઠરે, યાદી ભરી ત્યાં આપની. પંક્તિમાં કુલ આટલા છંદ/ છંદો નો ઉપયોગ કરાયો નથી.

1. ચોપાઈ છંદ
2. શિખરિણી છંદ
3. વસંતતિલકા
4. હરિગીત છંદ

<div><div><div><div><div></div><div>1,2 અને 3 - (Alternative 1)</div></div><div><div></div><div>3 અને 4 - (Alternative 2)</div></div><div><div></div><div>2 અને 4 - (Alternative 3)</div></div><div><div></div><div>માત્ર 4 - (Alternative 4)</div></div></div></div></div>		
Question No.7	1.00	Bookmark <input type="checkbox"/>
<p>ધરતી પર વરદાનની જેમ ચાંદની ઉભરી રહી છે, વૃક્ષો ઋતુઓની રાહ જોતાં રહે છે . અહીં ક્યા ક્યા અલંકારો નો ઉપયોગ કરાયો છે?</p> <div><div><div><div></div><div>ઉપમા અને સજ્જવારોપણ અલંકાર - (Alternative 3)</div></div><div><div></div><div>ઉત્પ્રેક્ષા અને ઉપમા અલંકાર - (Alternative 2)</div></div><div><div></div><div>એક પણ નહિ - (Alternative 4)</div></div><div><div></div><div>રૂપક અલંકાર - (Alternative 1)</div></div></div></div>		
Question No.8	1.00	Bookmark <input type="checkbox"/>
<p>ભાવવાચક અને વ્યક્તિવાચક, બન્ને સંજ્ઞા સહિતનું ઉદાહરણ આપેલ વિકલ્પોમાંથી કયું છે?</p> <div><div><div><div></div><div>અમિતને મળેલી નિષ્ફળતા એ જાણે તેને હતાશામાં કેદ કરી લીધો હતો. - (Alternative 2)</div></div><div><div></div><div>તેણે આવેશમાં કઠોર નિર્ણય લઇ લીધો હતો. - (Alternative 1)</div></div><div><div></div><div>ઝેર તો પીવા પડે છે જાણી જાણી, પણ પરિવર્તન જ આ જગતનો નિયમ છે. - (Alternative 4)</div></div><div><div></div><div>લોકોનું ટોળું હિંસક થયું પણ હર્ષદભાઈ માત્ર જોતા જ રહ્યાં. - (Alternative 3)</div></div></div></div>		
Question No.9	1.00	Bookmark <input type="checkbox"/>
<p>નીચેના પૈકી કયો વિકલ્પ 'નિનાદ' નો સમાનાર્થી નથી ?</p> <div><div><div><div></div><div>શાંત - (Alternative 1)</div></div><div><div></div><div>અવાજ - (Alternative 2)</div></div><div><div></div><div>ધ્વનિ - (Alternative 3)</div></div><div><div></div><div>સ્વ - (Alternative 4)</div></div></div></div>		
Question No.10	1.00	Bookmark <input type="checkbox"/>
<p>નીચે માંથી કયો શબ્દ 'અસ્ત્ર' નો સમાનાર્થી છે?</p> <div><div><div><div></div><div>એક પ્રકારના વસ્ત્રો - (Alternative 4)</div></div><div><div></div><div>ફેકીને મારવાનું વાનું હથિયાર - (Alternative 3)</div></div><div><div></div><div>આનાથી દાઢી કરાય - (Alternative 2)</div></div><div><div></div><div>હાથમાં પકડી ને વાપરવાનું હથિયાર - (Alternative 1)</div></div></div></div>		
GENERAL KNOWLEDGE - GENERAL KNOWLEDGE		
Question No.1	1.00	Bookmark <input type="checkbox"/>
<p>Who was appointed as the Chairman-cum-Managing Director of Coal India Limited in May 2018?</p> <div><div><div><div></div><div>V K Nambiar - (Alternative 2)</div></div><div><div></div><div>T S Vijayan - (Alternative 1)</div></div><div><div></div><div>Anil Kumar Jha - (Alternative 3)</div></div><div><div></div><div>Chandan Kumar Dey - (Alternative 4)</div></div></div></div>		
Question No.2	1.00	Bookmark <input type="checkbox"/>
<p>The Economic Survey 2018 has pegged FY 19 GDP growth at</p> <div><div><div><div></div><div>6-6.5% - (Alternative 1)</div></div><div><div></div><div>7.5-8% - (Alternative 3)</div></div><div><div></div><div>5-5.5% - (Alternative 4)</div></div><div><div></div><div>7-7.5% - (Alternative 2)</div></div></div></div>		

<p>Question No.3</p> <p>When was FDI introduced in India?</p> <p><input checked="" type="radio"/> 1991 - (Alternative 2)</p> <p><input type="radio"/> 1996 - (Alternative 3)</p> <p><input type="radio"/> 2001 - (Alternative 1)</p> <p><input type="radio"/> 2005 - (Alternative 4)</p>	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.4</p> <p>What was the important point revealed under the Queen Victoria Proclamation?</p> <p><input type="radio"/> Free education for people up to High School level - (Alternative 4)</p> <p><input type="radio"/> Rights being given to natives rulers to collect taxes - (Alternative 3)</p> <p><input checked="" type="radio"/> Perpetual support for native princes - (Alternative 1)</p> <p><input type="radio"/> Adoption of kingdoms without male successors - (Alternative 2)</p>	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.5</p> <p>Yajnasri Satkarni who recovered Malwa from the Shaka rulers belonged to which dynasty?</p> <p><input type="radio"/> Sungas - (Alternative 1)</p> <p><input checked="" type="radio"/> Satvahana - (Alternative 2)</p> <p><input type="radio"/> Guptas - (Alternative 3)</p> <p><input type="radio"/> Mauryan - (Alternative 4)</p>	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.6</p> <p>Which gland initiates production of lymphocytes, antibodies and is posterior to breast-bone between the lungs?</p> <p><input type="radio"/> Gonads - (Alternative 2)</p> <p><input checked="" type="radio"/> Thymus - (Alternative 1)</p> <p><input type="radio"/> Adrenal gland - (Alternative 3)</p> <p><input type="radio"/> Thyroid - (Alternative 4)</p>	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.7</p> <p>May 8th is observed as :</p> <p><input type="radio"/> Labour Day - (Alternative 4)</p> <p><input type="radio"/> UNO DAY - (Alternative 1)</p> <p><input type="radio"/> WTO DAY - (Alternative 2)</p> <p><input checked="" type="radio"/> Red Cross Day - (Alternative 3)</p>	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.8</p> <p>Where is Fort William and Victoria Memorial the popular historical destinations located at?</p> <p><input type="radio"/> Jaipur - (Alternative 4)</p> <p><input checked="" type="radio"/> Kolkata - (Alternative 3)</p> <p><input type="radio"/> New Delhi - (Alternative 1)</p> <p><input type="radio"/> Chennai - (Alternative 2)</p>	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.9</p> <p>Which country ranks first among the major countries emitting carbon-di-oxide?</p> <p><input type="radio"/> India - (Alternative 1)</p> <p><input type="radio"/> Russia - (Alternative 3)</p> <p><input checked="" type="radio"/> China - (Alternative 2)</p> <p><input type="radio"/> U.S.A. - (Alternative 4)</p>	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>

<p>Question No.10</p> <p>Bansagar Project is not related to one of the following States:</p> <ul style="list-style-type: none"><input type="radio"/> Madhya Pradesh - (Alternative 3)<input checked="" type="radio"/> West Bengal - (Alternative 4)<input type="radio"/> Bihar - (Alternative 1)<input type="radio"/> Uttar Pradesh - (Alternative 2)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
ENGLISH KNOWLEDGE - ENGLISH KNOWLEDGE	
<p>Question No.1</p> <p>Choose the alternative that expresses the meaning of the idiom given in capital letters: Tell us what EGGED YOU to become a cine actor</p> <ul style="list-style-type: none"><input type="radio"/> hindered - (Alternative 4)<input type="radio"/> discouraged - (Alternative 1)<input checked="" type="radio"/> urged - (Alternative 2)<input type="radio"/> dampened - (Alternative 3)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.2</p> <p>Choose the alternative that can substitute the given expression: An individual who does not think or behave like everyone else, but has independent, unusual opinions—</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Maverick - (Alternative 1)<input type="radio"/> Matriarch - (Alternative 3)<input type="radio"/> Prodigy - (Alternative 4)<input type="radio"/> Hermit - (Alternative 2)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.3</p> <p>Find the Antonym of the given word: BANTER</p> <ul style="list-style-type: none"><input type="radio"/> Ridicule - (Alternative 4)<input checked="" type="radio"/> Flattery - (Alternative 3)<input type="radio"/> Jeering - (Alternative 2)<input type="radio"/> Teasing - (Alternative 1)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.4</p> <p>.....American andEuropean visited our College for giving guest lecture recently.</p> <ul style="list-style-type: none"><input checked="" type="radio"/> An, A - (Alternative 4)<input type="radio"/> An, An - (Alternative 1)<input type="radio"/> A, An - (Alternative 3)<input type="radio"/> The , The - (Alternative 2)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.5</p> <p>Manjula and Ramnath(1) / are married (2) /and he has been married for 25 years (3) / No error (4).</p> <ul style="list-style-type: none"><input type="radio"/> are married - (Alternative 2)<input checked="" type="radio"/> and he has been married for 25 years. - (Alternative 3)<input type="radio"/> Manjula and Ramnath - (Alternative 1)<input type="radio"/> No error. - (Alternative 4)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.6</p> <p>Choose the alternative which is an improvement for the words given in BLOCK letters. : I am keeping these fruits in a special box to PREVENT SPOILING OF DAMP in rainy season.</p>	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>

<div><div><div><input type="radio"/> prevent them from spoiling of damp - (Alternative 1)</div><div><input type="radio"/> prevent them from spoiling by damp - (Alternative 2)</div><div><input type="radio"/> no improvement - (Alternative 4)</div><div><input type="radio"/> prevent them being spoiled by damp - (Alternative 3)</div></div></div>	
<div><div>Question No.7</div><div>1.00</div><div>Bookmark <input type="checkbox"/></div><div>Find the word spelt correctly.</div><div><div><div><input type="radio"/> Foreeignner - (Alternative 4)</div><div><input type="radio"/> Committees - (Alternative 2)</div><div><input type="radio"/> Achivement - (Alternative 1)</div><div><input type="radio"/> Boquet - (Alternative 3)</div></div></div></div>	
<div><div>Question No.8</div><div>1.00</div><div>Bookmark <input type="checkbox"/></div><div>In the following question, the 1st and the last part of the sentence/passage are numbered 1 and 6. The rest of the sentence/passage is split into four parts and named P, Q, R and S. These four parts are not given in the proper order. Read the sentence and find out which of the four combinations is correct.</div><div>1. Smart phones and computers have assumed enormous importance nowadays.</div><div>P. This shows that these have become all powerful.</div><div>Q. So it is with many other things where these are indispensable.</div><div>R. Bank Accounting, airline booking are all computer controlled.</div><div>S. In such a situation, computer breakdown means the breakdown of the system it controls.</div><div>6. Such is our dependence on computers.</div><div><div><div><input type="radio"/> PQRS - (Alternative 2)</div><div><input type="radio"/> RPQS - (Alternative 1)</div><div><input type="radio"/> RQSP - (Alternative 4)</div><div><input type="radio"/> SQPR - (Alternative 3)</div></div></div></div>	
<div><div>Question No.9</div><div>1.00</div><div>Bookmark <input type="checkbox"/></div><div>Find the Synonym of the given word:</div><div>GUSHING</div><div><div><div><input type="radio"/> Frozen - (Alternative 3)</div><div><input type="radio"/> Stagnant - (Alternative 2)</div><div><input type="radio"/> Improve - (Alternative 4)</div><div><input type="radio"/> Spouting - (Alternative 1)</div></div></div></div>	
<div><div>Question No.10</div><div>1.00</div><div>Bookmark <input type="checkbox"/></div><div>Many people prefer to read books the library.</div><div><div><div><input type="radio"/> on - (Alternative 3)</div><div><input type="radio"/> in - (Alternative 2)</div><div><input type="radio"/> with - (Alternative 4)</div><div><input type="radio"/> at - (Alternative 1)</div></div></div></div>	
COMPUTER KNOWLEDGE - COMPUTER KNOWLEDGE	
<div><div>Question No.1</div><div>1.00</div><div>Bookmark <input type="checkbox"/></div><div>The first row and second column in MS Excel is referred as _____</div><div><div><div><input type="radio"/> B1 - (Alternative 2)</div><div><input type="radio"/> B2 - (Alternative 4)</div><div><input type="radio"/> A2 - (Alternative 3)</div><div><input type="radio"/> A1 - (Alternative 1)</div></div></div></div>	
<div><div>Question No.2</div><div>1.00</div><div>Bookmark <input type="checkbox"/></div><div>What is the first software to be loaded into computer memory, when the computer is switched ON?</div></div>	

- ☒ **Operating System - (Alternative 1)**
- ☐ Languages like C, C++ etc - (Alternative 4)
- ☐ MS Office - (Alternative 2)
- ☐ Anti-virus software - (Alternative 3)

Question No.3

1.00

Bookmark ☐

What is the type of Network commonly used to connect computers in a small area within a building, office or campus?

- ☒ **LAN - (Alternative 1)**
- ☐ WAN - (Alternative 2)
- ☐ MAN - (Alternative 3)
- ☐ WSN - (Alternative 4)

Question No.4

1.00

Bookmark ☐

If a multimedia file is delivered on a computer but not saved, how the file can be viewed?

- ☐ Media playback - (Alternative 2)
- ☐ This file can not be viewed if not saved - (Alternative 4)
- ☒ **Real-time streaming - (Alternative 3)**
- ☐ Progressive download - (Alternative 1)

Question No.5

1.00

Bookmark ☐

Which is the fundamental building block of a CPU in a computer?

- ☐ Processor - (Alternative 1)
- ☐ Motherboard - (Alternative 2)
- ☒ **ALU - (Alternative 3)**
- ☐ RAM - (Alternative 4)

Question No.6

1.00

Bookmark ☐

In which generation of computers, transistors were used?

- ☐ Fifth Generation - (Alternative 4)
- ☐ Fourth Generation - (Alternative 3)
- ☒ **Second Generation - (Alternative 1)**
- ☐ First Generation - (Alternative 2)

Question No.7

1.00

Bookmark ☐

What is the abbreviation of URL?

- ☐ Unidentified Re-Loader - (Alternative 4)
- ☐ Unified Resource locator - (Alternative 1)
- ☒ **Uniform Resource locator - (Alternative 2)**
- ☐ Unique Resource locator - (Alternative 3)

Question No.8

1.00

Bookmark ☐

Statement 1: The Primary Key is used to uniquely identify the records in a database.
Statement 2: The Foreign Key is used to link two or more tables.

- ☐ Only statement 1 is true - (Alternative 1)
- ☐ Only statement 2 is true - (Alternative 2)
- ☒ **Both statement 1 and statement 2 are true - (Alternative 3)**
- ☐ None of the given statements are true. - (Alternative 4)

Question No.9

1.00

Bookmark ☐

What is the extension for MS Word files ? <div><input type="radio"/> .text - (Alternative 3) <input type="radio"/> .pdf - (Alternative 2) <input type="radio"/> .txt - (Alternative 1) <input checked="" type="radio"/> .doc or .docx - (Alternative 4)</div>		
Question No.10	1.00	Bookmark <input type="checkbox"/>
The software that corrupts the computer without user's knowledge is known as ____ <div><input type="radio"/> Cookies - (Alternative 3) <input type="radio"/> Anti Virus - (Alternative 2) <input checked="" type="radio"/> Virus - (Alternative 1) <input type="radio"/> Web application - (Alternative 4)</div>		
ELECTRICAL ENGINEERING - ELECTRICAL ENGINEERING		
Question No.1	1.00	Bookmark <input type="checkbox"/>
Which of the following terminals does not belong to the MOSFET? <div><input checked="" type="radio"/> Base - (Alternative 3) <input type="radio"/> Source - (Alternative 4) <input type="radio"/> Gate - (Alternative 2) <input type="radio"/> Drain - (Alternative 1)</div>		
Question No.2	1.00	Bookmark <input type="checkbox"/>
The load voltage of a chopper can be controlled by varying the _____ <div><input type="radio"/> Firing angle - (Alternative 2) <input type="radio"/> Extinction angle - (Alternative 4) <input checked="" type="radio"/> Duty cycle - (Alternative 1) <input type="radio"/> Reactor position - (Alternative 3)</div>		
Question No.3	1.00	Bookmark <input type="checkbox"/>
In a SCR based converter, the freewheeling diode is used to _____ <div><input type="radio"/> Add to the conduction current of thyristors - (Alternative 1) <input checked="" type="radio"/> Conduct current during the OFF period of the SCR - (Alternative 3) <input type="radio"/> Protect the SCR by providing a shunt path - (Alternative 4) <input type="radio"/> Oppose the SCR conduction - (Alternative 2)</div>		
Question No.4	1.00	Bookmark <input type="checkbox"/>
The fact that a conductor carries more current on the surface as compared to core, is known as : <div><input checked="" type="radio"/> skin effect - (Alternative 1) <input type="radio"/> unsymmetrical fault - (Alternative 4) <input type="radio"/> permeability - (Alternative 3) <input type="radio"/> corona - (Alternative 2)</div>		
Question No.5	1.00	Bookmark <input type="checkbox"/>
As the load is increased the speed of DC shunt motor will _____ <div><input type="radio"/> Reduce rapidly - (Alternative 4) <input type="radio"/> Increase slightly - (Alternative 2) <input type="radio"/> Increase proportionately - (Alternative 3) <input checked="" type="radio"/> Reduce slightly - (Alternative 1)</div>		

<p>Question No.6</p> <p>A system with characteristic equation $s^3+14s^2+56s+k=0$ will be stable if</p> <ul style="list-style-type: none"><input type="radio"/> $10 > k > 660$ - (Alternative 3)<input checked="" type="radio"/> $0 < k < 784$ - (Alternative 1)<input type="radio"/> $1 < k < 64$ - (Alternative 2)<input type="radio"/> $k=660$ - (Alternative 4)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.7</p> <p>For the same excitation voltage and winding currents, the auto transformer gives _____</p> <ul style="list-style-type: none"><input type="radio"/> Half of the output of two winding transformer - (Alternative 3)<input type="radio"/> Less output than two winding transformer - (Alternative 1)<input checked="" type="radio"/> More than the output of the two winding transformer - (Alternative 4)<input type="radio"/> Equal to the output of two winding transformer - (Alternative 2)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.8</p> <p>The chances of corona are maximum during _____</p> <ul style="list-style-type: none"><input checked="" type="radio"/> humid weather - (Alternative 4)<input type="radio"/> dry weather - (Alternative 3)<input type="radio"/> summer heat - (Alternative 1)<input type="radio"/> winter - (Alternative 2)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.9</p> <p>In a step down chopper, if $V_s = 100$ V and the chopper is operated at a duty cycle of 75%. Find the output voltage.</p> <ul style="list-style-type: none"><input type="radio"/> 25V - (Alternative 3)<input type="radio"/> 10V - (Alternative 4)<input type="radio"/> 100V - (Alternative 1)<input checked="" type="radio"/> 75V - (Alternative 2)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.10</p> <p>Ferrites are :</p> <ul style="list-style-type: none"><input type="radio"/> Ferromagnetic material - (Alternative 1)<input checked="" type="radio"/> Ferrimagnetic material - (Alternative 2)<input type="radio"/> Anti-ferromagnetic material - (Alternative 3)<input type="radio"/> Diamagnetic material - (Alternative 4)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.11</p> <p>Superposition theorem can be applied only to circuits having _____</p> <ul style="list-style-type: none"><input type="radio"/> resistive elements - (Alternative 1)<input type="radio"/> passive elements - (Alternative 2)<input checked="" type="radio"/> linear bilateral elements - (Alternative 4)<input type="radio"/> non-linear elements - (Alternative 3)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.12</p> <p>Which one of the following is not a vectored interrupt?</p> <ul style="list-style-type: none"><input type="radio"/> TRAP - (Alternative 1)<input type="radio"/> RST 7.5 - (Alternative 3)<input checked="" type="radio"/> INTR - (Alternative 2)<input type="radio"/> RST 3 - (Alternative 4)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>

Question No.13	1.00
Which logic gate is similar to the function of two series switches ? <input type="radio"/> OR gate - (Alternative 2) <input type="radio"/> NAND gate - (Alternative 3) <input checked="" type="radio"/> AND gate - (Alternative 1) <input type="radio"/> NOR gate - (Alternative 4)	Bookmark <input type="checkbox"/>
Question No.14	1.00
Which among the following represents the precise condition of reciprocity for transmission parameters ? <input type="radio"/> $AB - CD = 1$ - (Alternative 1) <input checked="" type="radio"/> $AD - BC = 1$ - (Alternative 2) <input type="radio"/> $AC - BD = 1$ - (Alternative 3) <input type="radio"/> None of the above - (Alternative 4)	Bookmark <input type="checkbox"/>
Question No.15	1.00
Transmission efficiency increases as _____ <input type="radio"/> voltage decreases but power factor increases - (Alternative 4) <input type="radio"/> voltage increases but power factor decreases - (Alternative 3) <input type="radio"/> voltage and power factor both decrease - (Alternative 2) <input checked="" type="radio"/> voltage and power factor both increase - (Alternative 1)	Bookmark <input type="checkbox"/>
Question No.16	1.00
A 230V dc motor has an armature circuit resistance of 0.6 ohm. If the full load armature current is 30A and the no load armature current is 4A, the change in back emf from no load to full load will be <input type="radio"/> 32.2V - (Alternative 3) <input type="radio"/> 64V - (Alternative 4) <input type="radio"/> 1.5V - (Alternative 1) <input checked="" type="radio"/> 15.6V - (Alternative 2)	Bookmark <input type="checkbox"/>
Question No.17	1.00
The skin effect of a conductor will reduce as the _____ <input type="radio"/> permeability of conductor material increases - (Alternative 3) <input type="radio"/> diameter increases - (Alternative 1) <input type="radio"/> frequency increases - (Alternative 2) <input checked="" type="radio"/> resistivity of conductor material increases - (Alternative 4)	Bookmark <input type="checkbox"/>
Question No.18	1.00
With feedback system <input checked="" type="radio"/> the transient response decays more quickly - (Alternative 4) <input type="radio"/> the transient response decays slowly - (Alternative 3) <input type="radio"/> the transient response decays at a constant rate - (Alternative 2) <input type="radio"/> the transient response get magnified - (Alternative 1)	Bookmark <input type="checkbox"/>
Question No.19	1.00
Open circuit test on a transformer yields _____ <input type="radio"/> Leakage of reactance - (Alternative 4) <input type="radio"/> Sum of core and copper losses - (Alternative 3) <input type="radio"/> Copper losses - (Alternative 2) <input checked="" type="radio"/> Core losses - (Alternative 1)	Bookmark <input type="checkbox"/>

Question No.20	1.00
The slip speed of an induction motor depends upon _____ <input type="radio"/> Armature Current - (Alternative 1) <input type="radio"/> Eddy Currents - (Alternative 4) <input type="radio"/> Core losses - (Alternative 2) <input checked="" type="radio"/> Mechanical load - (Alternative 3)	Bookmark <input type="checkbox"/>
Question No.21	1.00
Synchronous motor can operate at _____ <input type="radio"/> Leading power factor only - (Alternative 2) <input type="radio"/> Unity power factor only - (Alternative 3) <input type="radio"/> Lagging power factor only - (Alternative 1) <input checked="" type="radio"/> Lagging, leading and unity power factor only - (Alternative 4)	Bookmark <input type="checkbox"/>
Question No.22	1.00
When alternating current passes through a conductor _____ <input checked="" type="radio"/> portion of conductor near the surface carries more current as compared to the core - (Alternative 2) <input type="radio"/> portion of conductor near the surface carries less current as compared to the core - (Alternative 3) <input type="radio"/> entire current passes through the core of the conductor - (Alternative 4) <input type="radio"/> it remains uniformly distributed throughout the section of the conductor - (Alternative 1)	Bookmark <input type="checkbox"/>
Question No.23	1.00
Power input to a transformer at no load and rated voltage consists of _____ <input type="radio"/> Eddy current loss - (Alternative 1) <input type="radio"/> Copper loss - (Alternative 3) <input type="radio"/> Hysteresis loss - (Alternative 2) <input checked="" type="radio"/> Core loss - (Alternative 4)	Bookmark <input type="checkbox"/>
Question No.24	1.00
The combination of AND function and NOT function results in <input type="radio"/> Inversion - (Alternative 2) <input type="radio"/> NOR gate - (Alternative 4) <input type="radio"/> OR gate - (Alternative 1) <input checked="" type="radio"/> NAND gate - (Alternative 3)	Bookmark <input type="checkbox"/>
Question No.25	1.00
The most commonly used insulating material for low and medium voltage cables is _____ <input type="radio"/> Porcelain - (Alternative 2) <input checked="" type="radio"/> PVC - (Alternative 3) <input type="radio"/> Polyethylene - (Alternative 1) <input type="radio"/> Vulcanized rubber - (Alternative 4)	Bookmark <input type="checkbox"/>
Question No.26	1.00
In a semi-conductor diode, the barrier offers opposition to <input checked="" type="radio"/> Majority carriers in both regions - (Alternative 3) <input type="radio"/> Majority as well as minority carriers in both region - (Alternative 4) <input type="radio"/> Free electrons in N-region only - (Alternative 2) <input type="radio"/> Holes in P region only - (Alternative 1)	Bookmark <input type="checkbox"/>

<p>Question No.27</p> <p>A bridge used for the measurement of capacitance is</p> <ul style="list-style-type: none"><input checked="" type="radio"/> Schering bridge - (Alternative 4)<input type="radio"/> Wein bridge - (Alternative 2)<input type="radio"/> Wheatstone bridge - (Alternative 1)<input type="radio"/> Maxwell Bridge - (Alternative 3)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.28</p> <p>In Zener diode, the breakdown is due to Zener, has doping</p> <ul style="list-style-type: none"><input type="radio"/> Moderate - (Alternative 2)<input checked="" type="radio"/> High - (Alternative 3)<input type="radio"/> Low - (Alternative 4)<input type="radio"/> Lowest - (Alternative 1)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.29</p> <p>In an ideal op-amp the output impedance is</p> <ul style="list-style-type: none"><input type="radio"/> infinite - (Alternative 3)<input type="radio"/> 50 ohm - (Alternative 1)<input checked="" type="radio"/> zero - (Alternative 4)<input type="radio"/> 100 ohm - (Alternative 2)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.30</p> <p>The magnitude of the induced e.m.f. in a conductor depends on the _____</p> <ul style="list-style-type: none"><input type="radio"/> Flux density of the magnetic field - (Alternative 1)<input type="radio"/> Amount of flux linkages - (Alternative 3)<input checked="" type="radio"/> Rate of change of flux-linkages - (Alternative 4)<input type="radio"/> Amount of flux cut - (Alternative 2)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.31</p> <p>Time constant of an inductive circuit _____</p> <ul style="list-style-type: none"><input checked="" type="radio"/> increases with increase of inductance and decrease of resistance - (Alternative 1)<input type="radio"/> increases with the increase of inductance and the increase of resistance - (Alternative 2)<input type="radio"/> increases with decrease of inductance and decrease of resistance - (Alternative 3)<input type="radio"/> increases with decrease of inductance and increase of resistance - (Alternative 4)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.32</p> <p>The bundling of conductor is done primarily to _____</p> <ul style="list-style-type: none"><input type="radio"/> reduce radio interference - (Alternative 4)<input checked="" type="radio"/> reduce reactance - (Alternative 1)<input type="radio"/> increase radio interference - (Alternative 3)<input type="radio"/> increase reactance - (Alternative 2)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>
<p>Question No.33</p> <p>E.M.F can be induced in a circuit by _____</p> <ul style="list-style-type: none"><input type="radio"/> Changing magnetic flux density - (Alternative 1)<input type="radio"/> Changing area of circuit - (Alternative 2)<input type="radio"/> Changing the angle - (Alternative 3)<input checked="" type="radio"/> All of above - (Alternative 4)	<p>1.00</p> <p>Bookmark <input type="checkbox"/></p>

Question No.34	1.00
What is an ideal value of attenuation for the frequencies in pass band especially for a cascade configuration?	Bookmark <input type="checkbox"/>
<input checked="" type="radio"/> Zero - (Alternative 1) <input type="radio"/> Unity - (Alternative 2) <input type="radio"/> Unpredictable - (Alternative 4) <input type="radio"/> Infinity - (Alternative 3)	
Question No.35	1.00
A relay used on long transmission lines is _____	Bookmark <input type="checkbox"/>
<input type="radio"/> impedance relay - (Alternative 3) <input type="radio"/> reactance relay - (Alternative 2) <input type="radio"/> No relay is used - (Alternative 4) <input checked="" type="radio"/> mho's relay - (Alternative 1)	
Question No.36	1.00
The power transmitted will be maximum when _____	Bookmark <input type="checkbox"/>
<input type="radio"/> Corona losses are least - (Alternative 4) <input type="radio"/> Receiving end voltage is more - (Alternative 2) <input type="radio"/> Reactance is high - (Alternative 3) <input checked="" type="radio"/> Sending end voltage is more - (Alternative 1)	
Question No.37	1.00
Maxwell bridge is used to measure	Bookmark <input type="checkbox"/>
<input checked="" type="radio"/> Inductance - (Alternative 2) <input type="radio"/> Capacitance - (Alternative 3) <input type="radio"/> Resistance - (Alternative 1) <input type="radio"/> Frequency - (Alternative 4)	
Question No.38	1.00
Which of the following types of instruments cannot be used for D.C ?	Bookmark <input type="checkbox"/>
<input checked="" type="radio"/> Induction type - (Alternative 4) <input type="radio"/> Moving iron-attraction type - (Alternative 1) <input type="radio"/> Moving coil-permanent magnet type - (Alternative 2) <input type="radio"/> Hot-wire type - (Alternative 3)	
Question No.39	1.00
Which distribution system is more reliable ?	Bookmark <input type="checkbox"/>
<input type="radio"/> All are equally reliable - (Alternative 4) <input type="radio"/> Tree system - (Alternative 2) <input checked="" type="radio"/> Ring main system - (Alternative 1) <input type="radio"/> Radial system - (Alternative 3)	
Question No.40	1.00
If current in a conductor increases then according to Lenz's law self-induced voltage will _____	Bookmark <input type="checkbox"/>
<input type="radio"/> Tend to decrease the amount of current - (Alternative 2) <input type="radio"/> Aid the applied voltage - (Alternative 4) <input type="radio"/> Aid the increasing current - (Alternative 1) <input checked="" type="radio"/> Produce current opposite to the increasing current - (Alternative 3)	

Question No.41	1.00
A toggle operation is used _____	Bookmark <input type="checkbox"/>
<input type="radio"/> with a flip-flop and a gate circuit - (Alternative 4)	
<input type="radio"/> with a gate circuit - (Alternative 3)	
<input type="radio"/> without a flip-flop - (Alternative 1)	
<input type="radio"/> with a flip-flop - (Alternative 2)	
Question No.42	1.00
The motor used in household refrigerators is _____	Bookmark <input type="checkbox"/>
<input type="radio"/> DC Series motor - (Alternative 1)	
<input type="radio"/> DC Shunt motor - (Alternative 2)	
<input type="radio"/> Universal motor - (Alternative 3)	
<input type="radio"/> Single phase Induction motor - (Alternative 4)	
Question No.43	1.00
The number of interrupt lines in 8085 is _____	Bookmark <input type="checkbox"/>
<input type="radio"/> 5 - (Alternative 4)	
<input type="radio"/> 3 - (Alternative 2)	
<input type="radio"/> 2 - (Alternative 1)	
<input type="radio"/> 4 - (Alternative 3)	
Question No.44	1.00
Which DC motor is generally preferred for cranes and hoists?	Bookmark <input type="checkbox"/>
<input type="radio"/> DC Shunt motor - (Alternative 2)	
<input type="radio"/> Cumulatively compounded motor - (Alternative 3)	
<input type="radio"/> DC Series motor - (Alternative 1)	
<input type="radio"/> Differentially compounded motor - (Alternative 4)	
Question No.45	1.00
A fetch cycle is the _____	Bookmark <input type="checkbox"/>
<input type="radio"/> auxiliary part of the instruction cycle - (Alternative 4)	
<input type="radio"/> intermediate part of the instruction cycle - (Alternative 3)	
<input type="radio"/> first part of the instruction cycle - (Alternative 1)	
<input type="radio"/> last part of the instruction cycle - (Alternative 2)	
Question No.46	1.00
In a open loop system the control action	Bookmark <input type="checkbox"/>
<input type="radio"/> depends on the input signal - (Alternative 1)	
<input type="radio"/> depends on system variables - (Alternative 2)	
<input type="radio"/> is independent of the output - (Alternative 4)	
<input type="radio"/> depends on size of the system - (Alternative 3)	
Question No.47	1.00
Which among the following condition is true at the resonance?	Bookmark <input type="checkbox"/>
<input type="radio"/> $X_c > X_L$ - (Alternative 1)	
<input type="radio"/> $X_c = X_L$ - (Alternative 2)	
<input type="radio"/> $X_c < X_L$ - (Alternative 3)	
<input type="radio"/> None of the above - (Alternative 4)	

Question No.48	1.00
Bookmark <input type="checkbox"/>	
In a NPN transistor if the emitter junction is reverse biased and collector junction is also reverse biased, the transistor will operate in	
<input type="radio"/> Cut-off region - (Alternative 3)	
<input type="radio"/> Saturation region - (Alternative 2)	
<input type="radio"/> Inverted region - (Alternative 4)	
<input type="radio"/> Active region - (Alternative 1)	
Question No.49	1.00
Bookmark <input type="checkbox"/>	
According to Boolean algebra $1+A+B+C$ is equal to	
<input type="radio"/> $A+B+C$ - (Alternative 1)	
<input type="radio"/> $1+ABC$ - (Alternative 3)	
<input type="radio"/> 1 - (Alternative 4)	
<input type="radio"/> ABC - (Alternative 2)	
Question No.50	1.00
Bookmark <input type="checkbox"/>	
For maximum power transfer, internal resistance of source should be	
<input type="radio"/> equal to load resistance - (Alternative 1)	
<input type="radio"/> less than the load resistance - (Alternative 2)	
<input type="radio"/> greater than the load resistance - (Alternative 3)	
<input type="radio"/> none of the above - (Alternative 4)	
Question No.51	1.00
Bookmark <input type="checkbox"/>	
Kirchhoff's law is applicable to _____	
<input type="radio"/> DC circuits only - (Alternative 2)	
<input type="radio"/> Passive networks only - (Alternative 4)	
<input type="radio"/> AC circuits only - (Alternative 1)	
<input type="radio"/> AC as well as DC circuits - (Alternative 3)	
Question No.52	1.00
Bookmark <input type="checkbox"/>	
Example for Hard magnet are :	
<input type="radio"/> Alnico - (Alternative 4)	
<input type="radio"/> 45 Permalloy - (Alternative 1)	
<input type="radio"/> Fe-Pd - (Alternative 3)	
<input type="radio"/> CrO_2 - (Alternative 2)	
Question No.53	1.00
Bookmark <input type="checkbox"/>	
What would be the value of power factor for series RLC circuit under the resonance phenomenon?	
<input type="radio"/> Infinity - (Alternative 4)	
<input type="radio"/> 1 - (Alternative 3)	
<input type="radio"/> 0.5 - (Alternative 2)	
<input type="radio"/> 0 - (Alternative 1)	
Question No.54	1.00
Bookmark <input type="checkbox"/>	
In a two wattmeter method if power factor is 0.5, then one of the wattmeters will read	
<input type="radio"/> $W/2$ - (Alternative 2)	
<input type="radio"/> $W/\sqrt{3}$ - (Alternative 4)	
<input type="radio"/> $W/\sqrt{2}$ - (Alternative 3)	

☐ Zero - (Alternative 1)

Question No.55

1.00

Bookmark ☐

In DC generators the polarity of the interpoles _____

- ☐ is opposite to that of the main pole ahead - (Alternative 3)
- ☒ is the same as that of the main pole ahead - (Alternative 1)
- ☐ is neutral as these poles do not play part in generating e.m.f - (Alternative 4)
- ☐ is the same as that of the immediately preceding pole - (Alternative 2)

Question No.56

1.00

Bookmark ☐

In squirrel cage induction motor, the rotor slots are usually given slight skew in order to

- ☒ reduce magnetic hum - (Alternative 4)
- ☐ reduce accumulation of dirt and dust - (Alternative 3)
- ☐ reduce eddy currents - (Alternative 2)
- ☐ reduce windage losses - (Alternative 1)

Question No.57

1.00

Bookmark ☐

Which motor should not be started on no-load ?

- ☐ DC Shunt motor - (Alternative 2)
- ☒ DC Series motor - (Alternative 1)
- ☐ Synchronous motor - (Alternative 3)
- ☐ Induction motor - (Alternative 4)

Question No.58

1.00

Bookmark ☐

In case the field of a synchronous motor is under excited, the power factor will be

- ☐ zero - (Alternative 3)
- ☐ leading - (Alternative 1)
- ☐ unity - (Alternative 4)
- ☒ lagging - (Alternative 2)

Question No.59

1.00

Bookmark ☐

The input and output signals for CE amplifier are always

- ☐ equal - (Alternative 1)
- ☐ negative - (Alternative 4)
- ☒ out of phase - (Alternative 3)
- ☐ inphase - (Alternative 2)

Question No.60

1.00

Bookmark ☐

The Laplace transform of a unity function is _____

- ☐ 1 - (Alternative 2)
- ☐ s - (Alternative 4)
- ☐ zero - (Alternative 1)
- ☒ 1/s - (Alternative 3)