1) Using smanagedBean in a java bean file a) creates and manages the object used in the application b) with a name, is mandatory (zoruniu) c) manages the sessions in a java file. d) specifies the scope of the bean-Which one is true? 4) < f : validateRegex pattern= "\we([-+,]\we)*0\we([-.]\we)*/.\we([-.]\we)** /> Which input is proper for this pathern? a) ayilmas.sehotmail-com.tr-a b) ahmet.yilmaxwhotmail.com. c) abmet yilmarshotmail.com d) ahmet shotmail+com, tr.a 5) Which attribute of a command button is used for event handling? a) action b) actionListener c) event 6) Which of the followings is for parameter passing in which for dask a) ef:setPropertyActionListener by wheationListener 71 a manu (font-family : Verdana) Tont-weight : bold; fout-size : Aspay which of the followings must be used for the above can atvis for al «A class" menu" of ea class="style.css" href="sspu" va class="styleshest" hoef="hyperlinks at which of the followings is Tales for multithreadings a) there level threads are faster to creats and sapage than Perset Lauri A shread is the smallest part of a process at In simple core systems, provesses run parallel. "actionListaner" is responsible for method calling and event handling was absolutable value-talk yell! war-tate COLUMN TELEPROPER VIOLENCE PROPERTY CONTRACTOR OF THE PERSON NAMED IN COLUMN TO PERSON NAMED IN

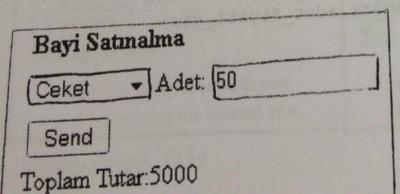
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is in-whitel pages, escape-"false" attribute is used for
a) Converting the shtal code to the output text.
b) Displaying an sheel code on the page.
e) Preventing (Sulemen) the escape node of shroutputtents in a web page
of Interpreting the string as an ahrel code.
Place FormableThread; implements Formable (
      ti - new Thread(this, "Child Thread");
      system out printing Constr of Child thread. " - th perManellin
      System out printing before Child thread start "le
      t start | | // Start the thread
      System out printin("After Child throat start");)
         for lint 1 = 2; 1 = 0; 1 - ) d
             System out printle ("Child Didwad: " a 18)
             Thread elespines)
            System out println ("After Child thread alsep for $207);]
        ) catch (InterruptedEnception a) 100
         System out printle ("Child thread interrupted "Frill"
public class finals !
   public static void main (String args (1) )
        new EuropableThreadliff
             System out printing wain thread, he also
          System out printle "After Male along for interest
         PURSUE OUT BE DESIGNATED THREE CHARGES OF
what he the possible output of the show rode?
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```
public void stateannus; swant) (
           ages the stream
           adde Plyatt att
                             (detAdet atr());
                (UetComponent():getAttributes(),get("adet_flyat1");
           adet_fiyati_int = Integer_____ (adet_fiyati_etr);
          if ("He's equals("ek"))(
               ir (coket cadet int)
                  may="Yetorals stok";
               18618
                   Foundamentar inte
                   mag-"Stoktan duauldu";)
          wise if (urun.equals("qm"))(
              if (domlek-adet int)
                  mag-"Yetersis stok";
              else!
                 teplamTutar_int=
                  mag="Stoktan dusuldu"; }
          elsei
              if(pantolon<adet int)
                  msg-"Yetersiz stok";
              else(
                  toplamTutar int-
                  msg="Stoktan dusuldu"; }}}}
  9. Fill in the blanks according to the outputs. (15p)
                                                                  How Many Days Old Are You?
                                   How Many Days Old Are You?
  How Many Days Old Are You?
                                   Year of Birth
  Year of Birth
                                                                   Year of Birth: 1950
                                   Current Year. 1
  Current Year:
                                                                   Current Year: 2015
                                    Calculate
   Calculate
                                                                    Calculate
                                   Your age in days:
  Your age in days.
                                                                   Your age in days:23725
    · Hease enter your birth year
                                      · Please enter your birth year
    . The ase enter the current year
                                      · Current year must be of 4 digits
 index.xhtml file
                 value="Year of Birth:"/>
                   ="Please enter your birth year"
value=
validatorMessage="Birth year must be equal or fewer than 4 digits">
```

maximum=

```
1. Which of the below lines belongs to Inline CSS? (4p)
 a)  This is a text 
 b) b) b) ref="style.css" rel="stylesheet" type="text/css">
 c) <div id="container" style="width:500px">
 d) <a href="#" class="menu"> Menu1 </a>
 2. 
   Month
   Savings
   Savings for holiday!
  January
   $100
   $50
 February
   $80
Draw this table on the space above. (10p)
```

- 3. Why the post method is more secure than the get method? Explain with examples as well. (10p)
- 4. Explain what the below code does when it runs. (8p) <h:button value="#{a.x}" outcome="b"/>
- 5. Explain how do we decide which CSS type should be used in an XHTML application? (8p)
- 6. Write a pattern which fits the pattern rule below.(5p) <f:validateRegex pattern="\w+([-+.']\w+)*@\w+([-.]\w+)*\.\w+[-]\w"/>
- 7. <h:outputText value="<h:panelGrid>A</h:panelGrid>'What is the output of this XHTML code?(5p)
- 8. Fill in the blanks according to the outputs. (35p)



Ed (Primary Eay, Auto Increment)	name	Furnies	
	John	Adams	
2	Mary	Stone	
	Tom	Stein	
4:	Marc	Jacobe	

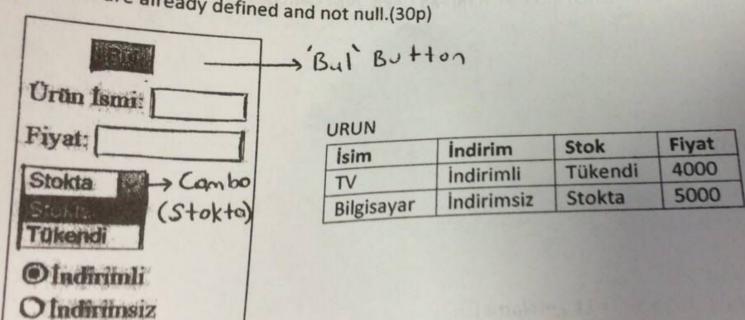
1880038 (4005)				
id (Primary Sey)	nane			
	Calculusi	1	4	
	Calculus2		4	
	Physics		3	2
5	Introduction to Programming			1

```
According to the lecturers and lessons tables above, which of the following
  But commands gives the lecturer id of the Physics Lesson?
  s) select lecturers id from lecturers where lessons name- Thymics
  b) select Id from lecturers where lessons name-'Physics' and
  lecturers.id=lessons.lecturer_id
  of select lecturers id from lecturers, lessons where lessons mame. Physics
  and lecturers id-lessons lecturer id
   do select id from lecturers, lessons where lessons mase- Physics' and
   14: According to the tables in Question 13, what is the size of the outrot
   resultset after numning the SQL statement below?
   select lessons id, lessons name, lecturers name, surname from lecturers
   lacturers id-lessons lecturer_id al las b) lx4 c) 4x4 d) 4x5
   cultrepeat value-" (1) " var-"c">
   W/slivepests
   amagagedhead
   public class A (
  private String[] arrayl-["a","b","c","d"];
  public String[] geth() (
  PATER STRANGS
  pulle void setB()( })
 output of this application is abod. So, what is the code is try bloom
 space marked with [312
 s; *(s) b) *(s.b) c) *(a.array1) d) *(b.array1)
14: In the 15, question, what is the code in the black spare extend and
s) *{R.Artsyl} b) *[c] c) *{a.b} d) *[c.errsyl]
37) Before using EQL statements, which objects must be the A. II. in ...
bull or not and throw Equanception if they are suite
```

- 6) A user =
- (A) FacesContext.getCurrentInstance().getExternalContext().getSessionMap().get("userData");

What does the code above do? (10p)

7) When the button is clicked, the information about the most expensive product (ürün) in URUN table will be displayed in the f displayed in the form below. Write the JSF code of this application. Assume that the datasource and connection objects are already defined and not null.(30p)



```
2) Define multi-threading, multi-tasking and multi-processing? (200)
     3) Write the output of the code below. Assume that after each thread sleep, IVM switch
     thread.(15p)
    class A extends Thread {
     private int x = 0;
     public void run() {
       X++;
       System.out.println("A:x:"+x);}}
     class B implements Runnable {
     private int x = 0:
     Thread t1;
       B() {
        t1 = new Thread(this,"Child Thread");
        System.out.println("Constr of Child thread: " + t1.getName());
        System.out.println("Before Child thread start");
        System.out.println("After Child thread start");}
     public void run() {
       System.out.println("B:x:"+x);}}
     public static void main(String args[]) throws Exception {
    public class Test {
      B imprun = new B();
      Thread.sleep(1000);
      Thread t2 = new Thread(imprun);
     t2.start();
     Thread.sleep(1000);
     for(int i = 2; i > 0; i--) {
     System.out.println("Before sleep: " + i);
     Thread.sleep(1000);
    System.out.println("After sleep");}
    At3 = new A();
   t3.start();
   Thread.sleep(1000);
   At4 = new A();
   t4.start();
  Thread.sleep(1000); }}
4) What does the SQL statement below do? (10p)
"select city,count(*) from APP.CUSTOMER group by city"
5) When the button is clicked the selected checkboxes are listed in the same page. Write the
pplication. (15p)
☐ Java ☐ C# ☐ PHP ☐ ASP
```

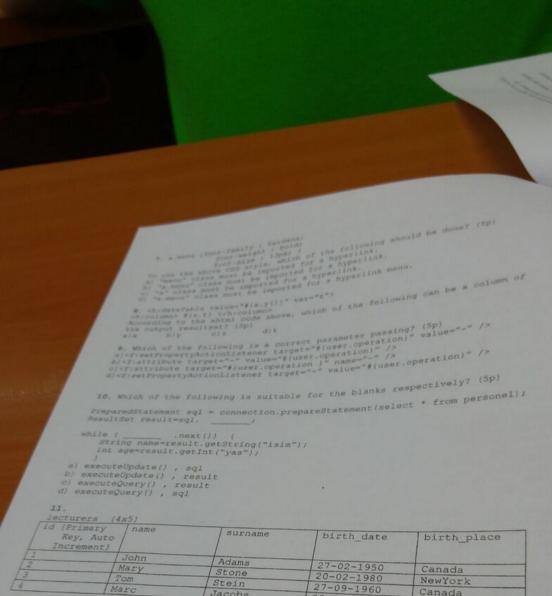
1) Using smanagedBean in a java bean file a) creates and manages the object used in the application b) with a name, is mandatory (zoruniu) c) manages the sessions in a java filed) specifies the scope of the bean-Which one is true? 4) <foralidateRegex pattern= "\we([-+, ']\we)*0\we([-.]\we)*/.\we([-.]\we)** /> Which input is proper for this pattern? a) ayilmas.sehotmail-com.tr-a b) ahmet.yilmar@hotmail.com. c) abmet yilmarehotmail.com d) ahmet shotmail+com, tr.a 5) Which attribute of a command button is used for event handling? a) action b) actionListener c) event 6) Which of the followings is for parameter passing in which for dask al efisetPropertyActionListener b) wheationListener 71 a manu (font-family : Verdana) Tont-weight : bold; fout-size : Abpay which of the followings must be used for the above the atyle for a) «A class "menu" on class-"style.css" hret-"menu" va classe styleshest heef-hyperlinks at which of the followings is Tales for multithreadings a) there level threads are faster to creats and mapage than Percel Land A shread is the smallest part of a process at In single clum systems, processes run parallel. "actionListator" is responsible for method calling and south handling was absolutable value-tale, yet in warehold COLUMN TELEFORM STATE STATE OF STATE OF

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a) Converting the shtal code to the output text.
b) pisplaying an sheel code on the page.
a) Dreventing (Colemen) the escape node of shroutputtests in a web page
of Interpreting the string as an ahrel code.
Place FormableThread; implements Finnable (
      ti - new Thread(this, "Child Thread");
      system out printing Constr of Child thread, " - tl perMane[[1]]
      System out printin("before Child thread start");
      ti startill // Start the thread
      System out printin("After Child throat start"):)
         for lint 1 = 2; 1 = 0; 1 - ) d
             Dyster out printle ("Child Direct. " a 19)
             Thread elespines)
            System out println ("After Child thread alsep for $5071)
        ) catch (InterruptedEnception a) 100
         System out printle ("Child thread interrupted NIVIS)
public class finals 4
   public static void main(String args (1) )
       new EurovahleThgeadliff:
             System out printing water through the May
          System out printle "After Male along for annual
         PURSUE OF RESIDENCE STREET CONTRACTOR
what he the possible output of the show rode?
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DA (Primary Ery. Auto Increment)	name	surnane	
	John	Adams	
	Mary	Stone	
	Ton	Stein	
4	Marc	Jacobs	

id (Primary	name		
Key)	Calculusi	4	
	Calculus2	4	
	Physics	3	2
*	Introduction to Programming		

```
According to the lecturers and lessons tables above, which of the following
  But commands gives the lecturer id of the Physics lesson?
  s) select lecturers id from lecturers where lessons name- Thymics
  b) select Id from lecturers where lessons name-'Physics' and
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  and lecturers.id-lessons.lecturer_id
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   lecturers id-lessons lecturer id al les b) led c) 4x4 d) 4x5
   end/repeat value-" (1) " var-"c">
   attrapedieso
   public class A (
  grissis String[] arrayl-["a","b","c","d"];
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 output of this application is abod. So, what is the code is try bloom
 space merked with [177
 # #(s) b) #(s.b) c) #(a.array1) d) #(b.array1)
147 In the 15, question, what is the code in the black apara extend and
s) $ [N. Array1] b) $ [c] c) $ (a.b) d) $ [c. array1]
37) Before using EQL statements, which objects must be the a like the
Bull or not and throw Equanception if they are multi-
```

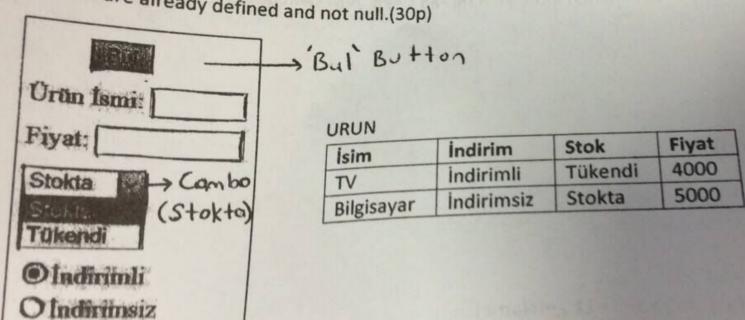


-	/ Marc	Jacobs	27-09-1	960	Canada
lessons (4x	5)		02-02-1	965	Londra
ld (Primary Kev)	/ name				
- ney!	catculusi		lecturer_id	credit	s semester
	/ Calculus2	1		4	- 1
	Physics Introduction t	2		4	1
	Programming	0 3		5	2

- 6) A user =
- (A) FacesContext.getCurrentInstance().getExternalContext().getSessionMap().get("userData");

What does the code above do? (10p)

7) When the button is clicked, the information about the most expensive product (ürün) in URUN table will be displayed in the f displayed in the form below. Write the JSF code of this application. Assume that the datasource and connection objects are already defined and not null.(30p)



and lecturers idelessons from lecturers where lessons name. Physics' and lecturers idelessons from lecturers where lessons name. Physics' and lecturers idelessons from lecturers where lessons name. Physics' and lecturers idelessons from lecturers where lessons name. Physics' and lecturers idelessons ideless 12. According to the tables in Question 11, what is the size of the resultset after running the SQL statement below? (Sp) elect lessons.id, lessons.name, lecturers.name, surname from lecturers, same, 13. According to the tables in Question 11, what are the sizes of the lecturers and lessons table respectively after running the SQL statement below? (5p) delete from lessons where lecturers id-lessons.lecturer_id and lecturers.surname= 'Jacobs' a) 3x5 , 3x5 b) 4x5 , 3x5 c) 4x5 , 4x5 d) 3x5 , 4x5 14. Below write the SQL statement that will change the surname of the lecturer who teaches Calculus!, from 'Adams' to 'Adam' . (Use tables in Question II) (Use "in" keyword in your SQL statement) (10p) 15. The code below gets the parameter from xhtml file. So which line can be written in the xhtml page? (5p) public void attrListener(ActionEvent event){
 nickname =(String)event.getComponent().getAttributes().get("username");} a) <f:attribute name="username" value="ABC" />
b) <f:attribute target="username" name="ABC" />
c) <f:setPropertyActionListener target="username" value="ABC" />
d) <f:setPropertyActionListener value="username" target="ABC" />

16. A user can make choices from the book categories and when the button is clicked the selected categories are listed in the same page. Write the java and whill code of this programme. (20p)

Book Categories

Arts History Science

ve and List

```
1. Which method must be overrided by a class that implements the Runnable
a) void run()
                       (b) public void run()
c) public void start() d) void run(int priority)
2. Which cannot directly cause a thread to stop executing? (5p)
a) Calling notify() method on an object.
b) Calling the wait() method on an object.
c) Calling the SetPriority() method on a Thread object.
d) Calling sleep () method on an object.
3. class X implements Runnable {
    public static void main(String args[])
       /* Missing code? */
    public void run() (}
Which of the following code is suitable for the Missing code to start a
thread ? (5p)
 a) Thread t = new Thread(X);
 b) Thread t = new Thread(X);
    t.start();
 c)) X run = new X();
    Thread t = new Thread(run);
    t.start();
 d) Thread t = new Thread();
    x.run();
4. Which of the following is false for user level threads? (5p)
a) They are faster than kernel level threads to create and manage.
b) They can run on any operating system.
(c) They are specific to the operating system.
d) The user can prioritize these threads.
5. Which of the following code is suitable for the Missing code to start a
 thread ? (5p)
   public class SchedDemo extends Thread(
      SchedDemo (String name) {
       super (name); }
      public void run () {
      public static void main (String() args)
          /* Missing code? */ ) )
a) Thread-t-new Thread(new SchedDemo());
b) new SchedDemo ("SchedDemo") . start ();
 Thread t = new Thread(SchedDemo("SchedDemo"));
 d) Thread t = new Thread(SchedDemo("SchedDemo"));
6. Cookies were originally designed for
 a) Client-side programming ( Both a and b
                              d) None of the mentioned
 b) Server-side programming
```

imza Select wstor customeri Public void run() {| attended of the "Missing code" to start a thread?

Write the appropriate code instead of the "Missing code" to start a thread? class X implements Runnable (public static void main (string args []) 10. According to the price of each customer. (10p) Chiboly thread to = new thread (x); Chi Porm 1 hil 10. According to the price of each customer. t. Start (); The code helow gets the parameter from an which line can written in the written i ic void attriistener (ActionEvent event) (getAttributes () .get ("username") ;)

Il dickname = (String) event .get (omponent) 12. Write the java and the occupant method for meaning and the occupant when the buttons are clicked.

12. Write the java and the occupant method for meaning and the occupant of the occupant 2009/12/12 b) It setproperty Action Listener Value "Asername" target "username" target "usernam 2008/09/02 c) Lt: setproperty Actionuistener value "username" target and Latisetproperty Actionuistener value "username" target and Latisetproperty Actionuistener value and Latisetproperty va public void attribistener (ActionEvent event), g 2008/09/02 and peration button the decide runs and setter methods. Duttons are chicked.

Subtraction reed to write the getter and setter methods not need to write the getter and setter methods. 11. The code below gets the parameter with the withten in the whim page? 2008/09/03 (a) A : attribute name, "username" values "ABC" | 7 ; attribute targets "username" name. "ABC" subtraction need to write the getter and setter methods.

```
7. a.menu (font-family : Verdana)

font-weight : bold;

font-size : 13px; )

To use the above CSS style, which of the following aboutd be done? [88]

"menu" class must be imported for a hyperlink.

"a" class must be imported for a hyperlink.
"a" class must be imported for a hyperlink.
"a" class must be imported for a hyperlink.

"a.menu" class must be imported for a hyperlink menu.

hidstanan.
                     9. Which of the following is a correct parameter passing? (5p)
a) < f:setPropertyActionListener target="#{user.operation}" value=""" / $
b) < f:attribute target="-" value="#{user.operation}" />
c) < f:attribute target="#{user.operation}" />
d) < f:setPropertyActionListener target="-" value="#{user.operation}" / $
          10. Which of the following is suitable for the blanks respectively? (50)
        PreparedStatement sql = connection.prepareStatement(select * from persone));
ResultSet result=sql
      ResultSet result=sql.
    while (
        String name=result.getString("isim");
        int age=result.getInt("yas");
a) executeUpdate() , sql
) executeUpdate() , result
executeQuery() , result executeQuery() , sql
imary (4x5)
              name
, Auto
                                            surname
ment)
                                                                          birth date
                                                                                                           birth place
         Mary
                                        Adams
        Tom
                                       Stone
                                                                       27-02-1950
20-02-1980
      Marc
                                     Stein
                                                                                                           Canada
                                                                     27-09-1960
02-02-1965
                                     Jacobs
                                                                                                          NewYork
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Calculusi
                                                         lecturer_id
alculus2
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troduction to
gramming
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o the lecturers and lessons tables above, which of the following will output the lecturer name of the Physics lesson? (5p) s) select lecturers.name from lecturers, lessons where lessons.name='Physics' and lecturers.id=lessons.lecturer id
b) select lessons.name from lecturers, lessons where lessons.name='Physics' and lecturers.id=lessons.lecturer id
c) select lecturers.name from lecturers where lessons.name='Physics' and lecturers.id=lessons.id
d) select lecturers.name from lecturers where lessons.name='Physics' and select lecturers.name from lecturers where lessons.name='Physics' and decturers.id=lessons.lecturer id 12. According to the tables in Question 11, what is the size of the output resultset after running the SQL statement below? (5p) select lessons.id, lessons.name, lecturers.name, surname from lecturers, lessons where lecturers.id=lessons.lecturer_id d) 4x5 d) 3x4 d) 4x5 13. According to the tables in Question 11, what are the sizes of the lecturers and lessons table respectively after running the SQL statement below? (5p) delete from lessons where lecturers.id=lessons.lecturer_id and lecturers.surname= 'Jacobs' 14. Below write the SQL statement that will change the surname of the ecturer who teaches Calculus, from 'Adams' to 'Adam' . (Use tables in the ecturer who teaches Calculus, from SQL statement) (10p) uestion 11) (Use "in" keyword in your SQL statement) (10p)

The code below gets the parameter from xhtml file. So which line ten in the xhtml page? (5p)

nickname = (String) event.getComponent().getAttributes().get("

attribute name="username" value="ABC" /> attribute target="username" name="ABC" />

setPropertyActionListener target="username" value="ABC" / etPropertyActionListener value="username" target="ABC"

ser can make choices from the book categories and wh the selected categories are listed in the same pag this programme, (20p)