

Series ONS

SET-4

Code No. **89**

Roll No.

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Candidates must write the Code on the title page of the answer-book.

- Please check that this question paper contains **11** printed pages.
- Code number given on the right hand side of the question paper should be written on the title page of the answer-book by the candidate.
- Please check that this question paper contains **7** questions.
- **Please write down the Serial Number of the question before attempting it.**
- 15 minute time has been allotted to read this question paper. The question paper will be distributed at 10.15 a.m. From 10.15 a.m. to 10.30 a.m., the students will read the question paper only and will not write any answer on the answer-book during this period.

MULTIMEDIA AND WEB TECHNOLOGY

Time allowed : 3 hours

Maximum Marks : 70

Note :

- (i) *All questions are **compulsory**.*
- (ii) *Answer the questions after carefully reading the text.*

1. (a) Observe the table APPS of a Database named Android Apps given below carefully and answer the questions that follow :

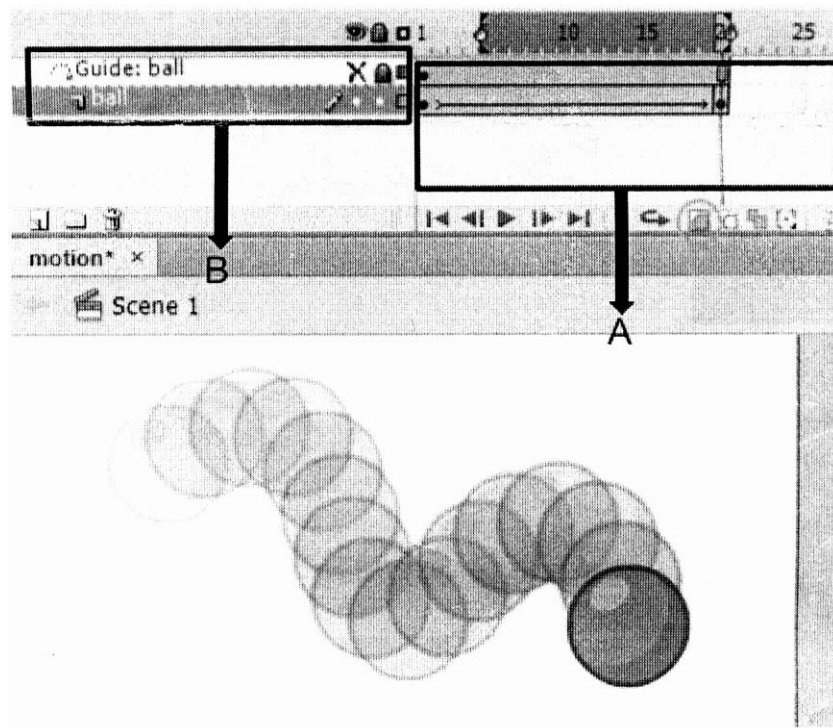
Table : APPS

AppName	AppCode	AppUsers	AppUse
Instagram	101	300000	Social Media
Google Play Music	102	150000	Free Music
Viber	103	2000	Free Calls
Dropbox	104	350000	Free Storage
Ola Cabs	105	900	Taxi Booking

- (i) Name the two attributes that have the text data type in the above table. 1
- (ii) Which attribute can act as the primary key for the table APPS ? 1
- (iii) A new attribute named AppDesc needs to be added to the above table that will store the complete description of the App utility. Suggest the most appropriate data type that should be used for this new attribute keeping in mind that the description can be more than 2000 characters. 1
- (iv) What will be the extension of the table APPS created in Access ? 1
- (v) Both AppCode and AppUsers attributes contain numbers but there is one major difference in their data type. Explain. 1
- (b) Sahitya is preparing for his Medical Entrance Exams and wants to be able to connect and conduct a live classroom session with two of his classmates located in different areas of the city. He wants to allow all participants to communicate by simultaneous two-way video and audio transmissions. Which of the following multimedia technologies will help him avail this service : 1
- (i) Video Telephony
- (ii) Video Conferencing
- (iii) Video on Demand
- (c) Enumerate any two applications of multimedia in entertainment. 2
- (d) Name any two popular image file formats. 2

2. Answer the following questions based on Macromedia Flash :

(a) Study the figure given below and answer the questions that follow :



- (i) Name the feature depicted in the above scenario. 1
 - (ii) Name the area marked by label A. 1
 - (iii) Observe the area marked by label B and name the types of layers used in creating the above animation. 1
 - (iv) Observe the area marked by label B, will the content of the "Guide:ball" be shown in the final animation ? Justify. 1
- (b) Differentiate between the two types of sounds available in flash. 2

(c) Observe the image given below and do as directed :

4



- The graphic on the left hand side shows the position and size for frame 1.
- The graphic on the right hand side shows the position and size for frame 30.
- The triangle graphic used in the animation is saved in the flash library.

Write the procedure and property settings for animating the above scenario assuming the color of the object remains the same.

3. Answer the following questions based on HTML :

- (a) Fill in the blanks with structural tags to complete the basic structure of a HTML file.

2

<_____>

<HEAD>

<_____>.....</TITLE>

<_____>

<BODY>

.....

</BODY>

<_____>


- (b) Write the HTML code to generate the web page in the format as shown. 8
Consider the following points while writing the HTML code :

- (i) The title of the web page is “Dances in India”.
- (ii) The page background colour is silver.
- (iii) The heading is in “Curlz MT” Font and “red” in colour.
- (iv) The line is Green in colour and its width covers 75% of the webpage.
- (v) The image used is dance.jpg.
- (vi) The font used for rest of the page is “Lucida Bright” in “blue” colour.
- (vii) The bulleted list items Classical Dances, Folk Dances and Popular Dance Forms are hyperlinked to the pages classical.html, folk.html and popular.html respectively.
- (viii) Use an email link to the email id “doi@csoi.com” in the last line.

DANCES IN INDIA

There are almost as many well established dance forms in India as the number of states. In fact some of the states have more than one dance forms that are popular and some dances span across multiple states and regions. Some of the most popular ones are :

- Classical Dances
 - A. Bharatnatyam
 - B. Kathak
 - C. Kathakali
 - D. Odissi
- Folk Dances
- Popular Dance Forms
 - A. Film Dances
 - B. Indo Western Style



Important Dance Festivals

Festival Name	Venue	Festival Month
Hampi Dance Utsav	Karnataka	October
Khajuraho Dance Festival	Khajuraho	February
Konark Dance Festival	Konark Sun Temple	December

To register for these music festivals write to doi@csoi.com

4. Answer the following questions based on ASP :

- (a) The Request.Form command is used to collect values from a form with method : **1**
- (1) post (2) get
- (3) both (1) and (2) (4) neither (1) nor (2)
- (b) How many Global.asa files can an ASP application have ? Which one of the following events is a standard Global.asa event ? **2**
- (1) Session_Id
- (2) Application_OnStart
- (3) Session_Start
- (4) Global.asa does not have any standard events
- (c) Give the output of the following statements : **3**
- (i) Response.write(10 MOD 3-5 + 4)
- (ii) Response.write(LEN("APPS DAILY"))
- (iii) Response.write(MONTHNAME(5) & DAY(DATE))
- (d) Name the object used for the following : **4**
- (i) To control information sent from the client to the server.
- (ii) To obtain information about an error condition that has occurred in the script.
- (iii) To access properties and methods on the server.
- (iv) To share information among all users of a given application.

5. Answer the following questions based on ASP :

- (a) What is a recordSet ? 1
(b) Study the code given below and answer the questions that follow :

```
<HTML>
<BODY>
<CENTER><H1>BLOOM CARDS</H1></CENTER>
<HR>
<%
    DIM myad=Server.CreatingObject("MSWC.AdRotator")
%>
<P ALIGN="LEFT"> <%=myad.AdvertisementGet("myads.txt") %>
    Cards for all occasions - birthdays, anniversaries and
    marriages
</BODY>
</TITLE>
```

- (i) What is the significance of the delimiters <% %> in the above code ? 1
(ii) Expand MSWC. 1
(iii) Name any one ASP component apart from Ad Rotator. 1
(iv) Point out 4 errors in the above code and correct them. 1
(c) Study the code given below : 2

```
<%
Set FileObj=Server.CreateObject("_____.FileSystemObject")
Set nfile=_____.OpenTextFile("lines.txt")
DO WHILE NOT newsfile._____
    S=nfile.ReadLine
    IF RIGHT (S,1)= "a" THEN
        Response.Write(S & "<BR>")
    END IF
LOOP
nfile._____
%>
```

- (i) Fill in the blanks to complete the above code fragment that reads 2
the text in the file lines.txt and displays lines ending with the
alphabet "a" on the web page.
(ii) Name any two alternate methods used for reading a text file apart 2
from ReadLine.

6. Answer the following questions based on VBScript :

(a) Name the interface element for which the given event is appropriate : **1**

(i) OnClick

(ii) OnChange

(b) Study the code given below and answer the questions that follow :

```
<HTML>
<BODY>
  <SCRIPT LANGUAGE="VBScript">
    SUB Change (X,Y)
      X= X + X
      Y=Y * Y
      DOCUMENT.WRITE(X & Y & "<BR>")
    END SUB
    P=2
    Q=3
    DOCUMENT.WRITE(P & Q & "<BR>")
    Change P,Q
    Change Q,P
  </SCRIPT>
</BODY>
</HTML>
```

(i) How many times will the function Change gets executed ? **1**

(ii) What is the role of the operator & in the statement **1**
DOCUMENT.WRITE(X & Y & "'
'") ?

(iii) Give the output of the above code. **3**

(c) Write the HTML code to generate the following form : **4**

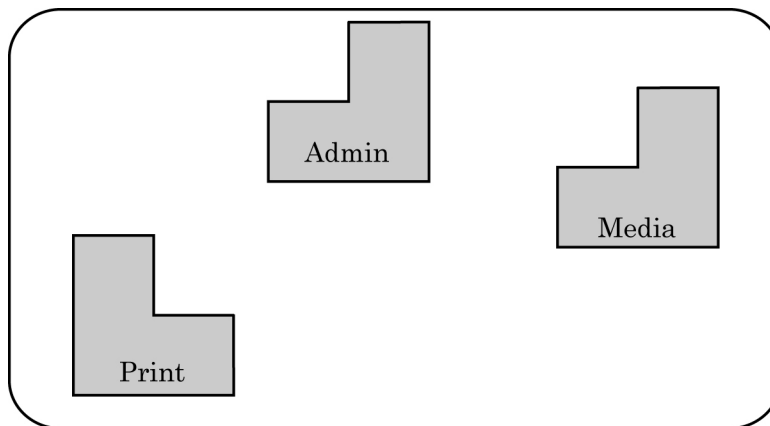
Smart Package Fee	
Enter Child's Program	<input type="text"/>
Total Fee	<input type="text"/>
<input type="button" value="CALCULATE"/>	

Write the VBScript code to display the Total Fee as :

- 12000 for IIT Program
- 10000 for Medical Program
- 0 otherwise

on the click of the **CALCULATE** button. The user inputs the child's program in the top text box and the Total Fee should be displayed in the bottom text box.

7. (a) Which of the following is not open source software ? 1
- (i) MS Office
- (ii) Linux Operating System
- (iii) Chrome web browser
- (b) Name the protocol to be used in the following situations : 2
- (1) For transmitting files on the World Wide Web
- (2) For sending and receiving e-mails
- (c) Differentiate between GSM and CDMA. 2
- (d) Futurz Solutions is in the process of setting up their new campus in Gurgaon. As a network expert, you are expected to help the institution by studying the physical locations of various blocks and the number of computers to be installed. On the basis of the given information, provide the best possible answers for the queries (i) to (v) to help them in the planning phase.



Block to Block distances (in mtrs.) :

Place From	Place To	Distance
Admin Block	Media Block	20 m
Print Block	Media Block	80 m
Print Block	Admin Block	35 m

Expected number of computers in each block :

Block	No. of Computers
Admin Block	60
Media Block	25
Print Block	45

- (i) Draw the most appropriate cable layout to connect all three blocks for efficient communication. 1
- (ii) Name the topology formed by the above cable layout. 1
- (iii) Name the block that is most suitable to house the server for this campus with a suitable reason. 1
- (iv) Which type of network, out of the following, is formed by connecting the computers of this office to their campus in another country ? 1
 - WAN
 - LAN
 - MAN

- (v) Which wireless channel out of the following should be chosen by the Company Management to connect to their campus in another country ? **1**
- Infrared
 - Microwave
 - Satellite