SUMMATIVE ASSESSMENT - II

INFORMATION TECHNOLOGY

निर्दिष्ट समय : 1 घंटा
Time allowed : 1 hour

अधिकतम अंक : 30
Maximum Marks : 30

Note: This question paper includes questions on IT applications in domains such as Business, Education and Governance.
1. (a) A small IT company “Quick Solutions” was launched by Manmeet. A client “Swift Movers” gave an assignment to “Quick Solutions” to prepare a presentation to market its transport business more effectively. During the discussion with “Swift Movers”, Manmeet noted certain requirements. These requirements and the features which can be used to meet these requirements are given below. Help Manmeet by selecting the most suitable feature(s)/option.

(i) During the slide show, the slides of the presentation should advance automatically. For this, time has to be set for each slide.

   (a) Slide Show
   (b) Rehearse Timings
   (c) Set up slide show
   (d) Use rehearsed timings

(ii) The presentation should have a slide showing a movie clip of road traffic.

   (a) Insert → Picture
   (b) Insert → Clip art
   (c) Insert → Movie
   (d) Custom Animation

(iii) Animation effects should be added to contents of certain slides.

   (a) Slide Show
   (b) Custom Animation
   (c) Slide Transition
   (d) Insert → Animation
(iv) The compressed version of the slides should be printed and given to the manager of “Swift Movers”.
(a) Print → Handouts
(b) Print → Slides
(c) Print → Notes Pages
(d) Print → Outline View

(v) A particular image (Logo of Swift Movers) should appear at the top left corner of every slide. Where should Manmeet insert this image, so that it automatically appears on each new slide?
(a) Each Slide
(b) Background
(c) Master Slide
(d) Slide Show

(b) Mrs. Rama Sethi is the Principal of “Vidya Kaushal” School. During a presentation on the revision of syllabus, she noticed some points for possible improvements. She told a class X student, Iqbal, to make these improvements. The noted improvements and the related problems are mentioned below. Help Iqbal by writing the solutions to the mentioned problems:

(i) There should be some animation effect when slides advance during the slide show. Which feature of presentation package should be used for this? How can the same effect be applied to all the slides together?

(ii) Each slide should have some hints to the speaker which should not be visible during presentation delivery but should be printable with respective slides. Where should Iqbal write these hints in the presentation? Also write how can he print the slides with added hints. How can he print the slides without hints?

(iii) The last slide should have hyperlinks to some educational web-sites. How can text be added which when clicked, takes to the web-sites?
2. (a) Sonal wants to create a Social Science tutorial web-page using HTML. Through this tutorial she wants to teach about Parliamentary System. She wants to include the following information in the web-page:

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Component</th>
<th>Image</th>
<th>Link</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>President</td>
<td>Pres.jpg</td>
<td>Pres.html</td>
</tr>
<tr>
<td>2.</td>
<td>Lok Sabha</td>
<td>LSabha.jpg</td>
<td>LSabha.html</td>
</tr>
<tr>
<td>3.</td>
<td>Rajya Sabha</td>
<td>RSabha.jpg</td>
<td>RSabha.html</td>
</tr>
</tbody>
</table>

You are required to help Sonal by telling her the right options for the questions given below:

(i) Which tag should she use to insert the images in web-page?
(a) `<IMG>`
(b) `<PIC>`
(c) `<SRC>`
(d) `<JPG>`

(ii) Which of the following tags should be used to include the hyperlinks?
(a) `<HR>`
(b) `<A>`
(c) `<HTML>`
(d) `<Table>`

(iii) Which of the following tags should be used, so that the names of the components appear in bold?
(a) `<BIG>`
(b) `<BOLD>`
(c) `<B>`
(d) `<BR>`
(b) Identify at least 4 tags (Other than \texttt{<HTML>}, \texttt{<HEAD>}, \texttt{<BODY>}, \texttt{<TITLE>}), which have been used to create the following part of a web-page in HTML:

<table>
<thead>
<tr>
<th>National Festivals of India</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Republic Day - 26th January</td>
</tr>
<tr>
<td>B. Independence Day - 15th August</td>
</tr>
<tr>
<td>C. Gandhi Jayanti - 2nd October</td>
</tr>
</tbody>
</table>

(c) Write complete HTML code to generate the following web-page.
Features of the page are given below the figure.

![Bhagat Singh](image.jpg)

\textbf{Shahid Bhagat Singh}

\textbf{Born}: 28/09/1907  
\textbf{Martyrdom Day}: 23/03/1931

Bhagat Singh was one of the most influential revolutionaries of Indian independence movement

\textbf{Features}:

(i) Title of the page is "Freedom Fighters"
(ii) Background color of the page is "beige"
(iii) The color of the horizontal rule is Red.
(iv) The image inserted is "SBS.bmp"

\textbf{(Note}: Leader Bhagat Singh's name in Hindi is a part of image)
3. (a) Mohini, a student of class X, received an email from an unknown sender saying “Congratulations! You have won a lottery of ₹ 1,00,00,000. Click the link below to provide your account information to claim your money”.

Why should she not click such links? What should she do upon getting such unwanted emails?

(b) “Prepare Education Society” plans to start a new school in a rural area. Mr. David has been appointed as its IT Officer and is given the charge of setting and maintaining computer infrastructure in the school. Mr. David has the following concerns regarding the computer infrastructure set-up:

(i) The area where the new school is to be located has irregular power supply.

(ii) Care needs to be taken to safeguard the office infrastructure against any kind of stealing or physical damage.

(iii) The system should remain protected from malware (virus etc.), which may find its way from students’ pen drives and from Internet.

Suggest suitable measures to overcome each of the above given concerns.

4. (a) Maninder is the Information Officer with a rural development centre in Jaipur (Rajasthan). Identify the IT tools/Operational skills/Application packages required to perform the following functions, which he has to perform as part of his duty:

(i) To prepare text documents for the proposed schemes and implemented schemes for rural welfare in an Indian language and English.

(ii) To keep record of the financial data of the center. She also has to represent this data graphically.

(iii) To ensure easy restoration of data in case of data loss.
(b) To type text in an Indian language, you have to make certain language settings in your computer. After that you can easily type in an Indian script लिपि using your normal keyboard. The INSCRIPT keyboard layout with Roman script keys and corresponding देवनागरी script keys is given below:

The above keyboard layout is very helpful in typing in Devnagari script that is used for languages such as Hindi, Marathi, Sanskrit. For example, to type सत्यमेव we have to press the keys mld/csb.

Mohan works for an Advertisement company and for an advertisement he has to type सत्यमेव जयते. Which keys should he press for this after making suitable settings?