

ST.ARNOLDS CENTRAL SCHOOL,PUNE  
PRE-BOARD-1,2018-19  
SUBJECT:COMPUTER

STD:X

MM:40

General Instructions:

- (i) The question paper consists of 16 questions.  
(ii) All questions are compulsory; however internal choice has been given in few questions.

SECTION-A

1. Multiple Choice Questions:

- (i) Which one of the following is an e-shopping website? (5)  
a) Flip kart  
b) Snap deal  
c) Amazon  
d) All of these
- (ii) A link used to navigate or open other web pages on a website on internet is called \_\_\_\_\_.  
a) Higher link  
b) Heterolink  
c) Hyperlink  
d) None of these
- (iii) Which statement(s) true about XML?  
a) It is not case sensitive.  
b) It is similar to other programming language like C&C++  
c) It is used for defining own tags.  
d) It is not at all helpful in data storage and data sharing.
- (iv) \_\_\_\_\_ is a program which makes you view the information on World Wide Web.  
a) Web server  
b) Web browser  
c) Web host  
d) None of these
- (v) \_\_\_\_\_ is a program that appears harmless but actually performs Malicious functions.  
a) Worms  
b) Trojan horse  
c) Virus  
d) None of these

2. What is HTTP?

3. What is ICT?

4. What is Data Island?

5. What is linking?

6. What is container tag?

(1)

(1)

(1)

(1)

(1)

SECTION-B

7. What is the purpose of antivirus? (2)
8. What is a primary key in a table? (2)
9. What is the purpose of web browser? Give example of web browsers? (2)
10. Mention any two benefits of ICT in Education? (2)

Or

A table named "Customer" has following columns:

Custid, Name, City, Mobile no

Identify which column(s) cannot be specified as primary key and why? (2)

11. Hari, a web designer in a company named "International designers" has just created a Webpage in which different sections of of the webpage are linked and can be traversed by clicking on the text as "Top", "Middle" and "Bottom". Is it internal linking or external linking and why? Additionally tell him about the suitable tag and its attribute(s) to open another webpage named "second.html" by clicking on the text "Next". (3)
12. Write any three main characteristic of XML? (3)
13. How email address and URL are different from each other? Explain with suitable Example? (3)
14. Discuss the role of spyware as a threat to information security? Define the following:  
(i) Virus (ii) Hacker (iii) Cracker (3)

OR

What is the need to take the data backup? Discuss online backup briefly?

15. Write the HTML code to generate the following web page with the given below Specifications: (5)
  - (a) Bordered table should have background color in pink.
  - (b) Table's header row with a heading "INCOME TAX SLABS 2017-18" should spread over four cells.
  - (c) After heading row, first cell of next row should spread over five rows with an image named "it.jpg" stored in d: drive.
  - (d) Set the space between the cell wall and the cell content to 10 pixels and set the space between the cells to 10 pixels.
  - (e) At the bottom of the page, a link to next page is there which is linked to another webpage named "next.html".

Income Range	Tax %
0 - 250000	0%
250001 - 500000	10%
500001 - 1000000	20%
>1000000	30%

16. Attempt any one question out of the given two:

(5)

- a) Sahiba, a website designer with "International Designers Pvt. Ltd." has written the following code. Observe the code given below and answer the following questions:

```

<company>
  <employee eid=1>
    <name>Albert</name>
    <dept deptid="d1">Computer</dept>
  </employee>
  <employee eid=2>
    <name>Manisha</name>
    <dept deptid="d2">Accounts</dept>
  </employee>
</company>

```

- Are these tags part of HTML code or XML code?
- Identify the root element.
- Mention any two child elements.
- Mention any two attributes.
- An xml document can have more than one root element. Is it true or false?

OR

- b) Veena, a class X student has recently completed her HTML course and just started learning XML. Help her in the following:
- Mention her any one main difference between HTML and XML.
  - She has been told that "All major browsers have a built-in XML parser to access and manipulate XML". Is this statement right or wrong?
  - Explain her purpose of comments in XML document.
  - Tell her the syntax to put comments in XML documents.
  - Explain her meaning of well-formed XML documents.