

Program: BIT

FM : 100

Subject: IFA Code: BIT 111

PM : 50

Level: BIT 1st Semester (1st Year) **SET 'A'**

Time: 3 hrs.

Attempt All Questions (Group A)

MCQ (1x30=30)

1. The Internet was originally a project of which agency?
 - a) ARPA
 - b) NSF
 - c) NSA
 - d) DARPA
2. The computer jargon - WWW, stands for
 - a) World area network
 - b) Wide area network
 - c) Web area network
 - d) World wide web
3. The process of transferring files from internet to your computer is called
 - a) Uploading
 - b) Forwarding
 - c) Downloading
 - d) FTP
4. Internet which is accessed by transmitting digital data over wires of a local telephone network is provided by
 - a) Leased line
 - b) Digital subscriber line
 - c) Digital signal line
 - d) Land line
5. MAC address have size of
 - a) 32 bits
 - b) 48 bits
 - c) 64 bits
 - d) 128 bits
6. Data communication system spanning states, countries, or the whole world is
 - a) LAN
 - b) WAN
 - c) MAN
 - d) None of the mentioned
7. The functionalities of presentation layer includes
 - a) Data compression
 - b) Data encryption
 - c) Data description
 - d) All of the mentioned
8. The number of layers in Internet protocol stack
 - a) 5
 - b) 7
 - c) 6
 - d) None of the mentioned
9. Internet layer in TCP/IP model is equivalent to _____ in OSI model
 - a) Application layer
 - b) Transport layer
 - c) Network layer
 - d) Session layer
10. In computer, communication media includes
 - a) standard telephone lines
 - b) coaxial cables
 - c) microwave transmission
 - d) all of these
11. Switch operates in _____ layer in OSI model.
 - a) Application layer
 - b) Data Link layer
 - c) Network layer
 - d) Session layer
12. UDP is _____
 - a) Connectionless protocol
 - b) Connection oriented protocol
 - c) Wireless protocol
 - d) None of above
13. Which of the following is not generic TLD?
 - a) .com
 - b) .mil
 - c) .uk
 - d) .mil

- b. <table>, <caption>, <tr>, <th>, <td>
c. <table>, <p>, ,
d. None of the above mentioned
14. Broadcast is the communication where a piece of information is
a) sent from one point to another point
b) sent from one point to all other points
c) sent from one or more points to a set of other points
d) all of the above
15. Which of the following is true for Domain?
a) Peer-to-peer network
b) No centralized administration
c) No Data security
d) Client/server network
16. Which of the following is CSS id selector?
a. #idname
b. .idname
c. div p
d. None of the above mentioned
17. How do you select all p elements which are inside a div element?
a. div p
b. div + p
c. p div
d. div.p
18. What is the correct html for referring to an external stylesheet?
a. <stylesheet>style.css</stylesheet>
b. <style></style>
c. <link rel= "stylesheet" type="text/css" href="style.css">
d. None of above
19. What is the correct HTML for adding color?
a. <p style= "color: red">
b. < p color= "red">
c. <p text-color= "red">
d. All of the above mentioned
20. Which of the following html indicates ordered list?
a. <list>
b.
c.
d. <dl>
21. Which of the following tag is used to mark the beginning of heading tag?
a. <heading>
b. <header>
c. All <h1> to <h6>
d. None of above
22. Which of the following is correct html comment?
a. <!--this is comment -->
b. /* this is comment */
c. <--his is comment !-->
d. None of the above mentioned
23. Which of the following elements are table elements?
a. <table>, <tr>, <td>, <dd>
- b. <table>, <caption>, <tr>, <th>, <td>
c. <table>, <p>, ,
d. None of the above mentioned
24. Which of the following php statement/statements will store 111 in variable num?
i) int \$num = 111;
ii) int mum = 111;
iii) \$num = 111;
iv) 111 = \$num;
a. Both i) and ii)
b. All of the mentioned
c. Only iii)
d. Only i)
25. What will be the output of the following php code?

```
<?php
$num = 1;
$num1 = 2;
print $num . "+" . $num1;
?>
```


a) 3
b) 1+2
c) 1.+2
d) Error
26. What will be the output of the following php code?

```
<?php
$num = "1";
$num1 = "2";
print $num+$num1;
?>
```


a.3
b. 1+2
c. Error
d. 12
27. A PHP script should start with ____ and end with ____
a) < php >
b) < ? php ?>
c) <? ?>
d) <?php ?>
28. Which of the following is not true for Workgroup?
a) Client/server network
b) No centralized administration
c) No Data security
d) Peer-to-peer network
29. Transmission media which can be used in LAN is
a) Satellite
b) microwave
c) coaxial cable
d) fiber optics
30. IPv4 addresses have size of
a) 32 bits
b) 48 bits
c) 64 bits
d) 128 bits



Texas
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Pre Board Test-2074

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Level: BIT 1st Semester (1st Year) SET 'B'

Time: 3 hrs.

Attempt All Questions (Group A)

MCQ (1x30=30)

1. The process of transferring files from your computer to the internet is called
 - e) Uploading
 - f) Forwarding
 - g) Downloading
 - h) FTP
2. In internet terminology IP means
 - a) Internet Provider
 - b) Internet Protocol
 - c) Internet Procedure
 - d) Internet Processor
3. Which one of the following is not search engine?
 - a) Bing
 - b) Google
 - c) Yahoo
 - d) Windows
4. URL means _____
 - a) Address of the resource on the web
 - b) Term used to describe Website
 - c) Term used to get online program
 - d) None of these
5. IPv4 addresses have size of
 - e) 32 bits
 - f) 48 bits
 - g) 64 bits
 - h) 128 bits
6. Data communication system within a building or campus is
 - a) LAN
 - b) WAN
 - c) MAN
 - d) None of the mentioned
7. In Internet protocol stack, when data is sent from device A to device B, the 5th layer to receive data at B is
 - a) Application layer
 - b) Transport layer
 - c) Link layer
 - d) Session layer
8. The number of layers in ISO OSI reference model
 - a) 5
 - b) 7
 - c) 6
 - d) None of the mentioned
9. Application layer in TCP/IP model is equivalent to _____ in OSI model
 - a) Application layer
 - b) Presentation layer
 - c) Session layer
 - d) All of above
10. Transmission media which can be used in LAN is
 - a) Satellite
 - b) microwave
 - c) coaxial cable
 - d) fiber optics
11. Routers operate in _____ layer in OSI model.
 - a) Application layer
 - b) Transport layer
 - c) Network layer
 - d) Session layer
12. TCP is _____
 - a) Connectionless protocol

- b) Connection oriented protocol
c) Wireless protocol
d) None of above
13. Which of the following is/are Generic TLDs?
a) .com
b) .org
c) .mil
d) All of above
14. Multicast is the communication where a piece of information is
a) sent from one point to another point
b) sent from one point to all other points
c) sent from one or more points to a set of other points
d) all of the above
15. Which of the following is not true for Workgroup?
a) Client/server network
b) No centralized administration
c) No Data security
d) Peer-to-peer network
16. Who is making web standard
a. Mozilla
b. Microsoft
c. The World Wide Web Consortium
d. Google
17. How do you select all h1 elements which are inside a div element?
a. div h1
b. div + h1
c. h1 div
d. div.h1
18. What is the correct html for referring to an internal stylesheet?
a. <stylesheet>style.css</stylesheet>
b. <style></style>
c. <link rel="stylesheet" type="text/css" href="style.css">
d. None of above
19. What is the correct HTML for adding background color?
a. <body style= "background: red">
b. <body style= "background-color: red">
c. <body bgcolor= "red">
d. All of above
20. Nested table indicates of
a. all html elements
b. table inside a table cell
c. paragraph and images
d. None of the above mentioned
21. What is the correct HTML for creating a hyperlink?
a.
b.
c.
d. None of above
22. Which of the following tag is used to indicate html end tag?
a. *
b. \
c. <
d. /
23. Which of the following elements are table elements?
a. <table>, <tr>, <td>, <dd>
b. <table>, <caption>, <tr>, <th>, <td>
c. <table>, <p>, ,
d. None of above
24. What is acronym for PHP.
i) Personal Hypertext Page
ii) Hypertext Preprocessor
iii) Pretext Hypertext Processor
iv) Preprocessor Home Page
25. PHP files have a default file extension of _____
a) .html
b) .xml
c) .php
d) .ph
26. A PHP script should start with ____ and end with ____
a) < php >
b) < ? php ?>
c) <? ?>
d) <?php ?>
27. Which of the following is not a PHP code editor?
a) Notepad
b) Notepad++
c) Adobe Dreamweaver
d) Microsoft Word
28. Which of the following must be installed on your computer so as to run PHP script?
i) Adobe Dreamweaver
ii) PHP
iii) Apache
iv) IIS

a) All of the mentioned.
b) Only ii)
c) ii) and iii)
d) ii), iii) and iv)
29. Which version of PHP introduced Try/catch Exception?
a) PHP 4
b) PHP 5
c) PHP 5.3
d) PHP 6
30. We can use ____ to comment a single line?
i) /?
ii) //
iii) #
iv) /* */
a) Only ii)
b) i), iii) and iv)
c) Both ii) and iii)
d) Both ii) and iv)

SET “A”**GROUP ‘B’****Long Questions****(2 × 20 =40)****Attempt any two questions:**

1. A. Explain the concept of layered task. Explain the OSI reference model in brief with proper diagram. [2+8]
B. What is client/server model? Explain different client/server architecture. [1+9]
2. A. What is nested table? Explain the term border, frame, rules, width, height, cellpadding, cellspacing, rowspan and colspan with syntax. [10]
B: Write a complete HTML code that outputs following: [10]

SN	Name	Subjects with marks			Total
		English	D. Math	WSD	
1	Ram Bahadur	70	60	80	210
2	Hari Bahadur	50	40	70	160
3	Shyam Bahadu	70	80	90	240
4	Gita Kumari	40	50	60	150

16. Fig: Result Sheet

3. Explain database management system. Write a sample MySQL queries to select, insert, update and delete.

GROUP ‘C’**Short Question (6 × 5 =30)****Attempt any six questions:**

4. What is computer network? Write advantages and disadvantages of computer network.
5. What is RPC? Explain different terms associated with RPC.
6. What is domain and workgroup? Write advantages and disadvantages of workgroup in brief.
7. Explain point-to-point and multipoint communication concept with proper diagrams. Explain simplex, half-duplex and full-duplex mechanism briefly.
8. Write short notes on:
 - a. WWW
 - b. HTTP
9. What is CSS? Explain all types of CSS with proper syntax.
10. What are common list elements used in HTML? Explain all type list elements with syntax
11. Differentiate between database management system (DBMS) and relational database management system (RDBMS).

THE EN

BIT – IFA
SET “B”

GROUP ‘B’

Long Questions

(2 × 20 =40)

Attempt any two questions:

1. A. Explain the TCP/IP model. Mention its differences with OSI model with proper diagram.[6+4]
B. Explain the terms www and its operation. Write about history of internet. [5+5=10]
2. A. What is client/server model? Explain different client/server architecture. [1+9]
B. Explain about LAN,MAN,WAN and discuss two topologies. [10]
3. A: What are common lists used in html? Explain all common lists with attributes and value used. [10]
B: Write a complete HTML code that outputs following: [10]

SN	Name	Subjects with marks		
		English	D. Math	WSD
1	Ram Bahadur	70	60	80
2	Hari Bahadur	50	40	70
3	Shyam Bahadu	70	80	90
4	Gita Kumari	40	50	60
Total		230	230	300

Fig: Result Sheet

GROUP ‘C’

Short Question

(6 × 5 =30)

Attempt any six questions:

4. What is Internet and Intranet? Explain different types of network based on the geographical span.
5. What is IP telephony? Explain VoIP.
6. What is domain and workgroup? Differentiate these two terms.
7. Write short note on:
 - a. DNS
 - b. URL
8. What is nested table? Explain rowspan and colspan with suitable example.
9. What is CSS? What are common types of CSS selectors? Explain with example.
10. Define operator. List operator types in PHP with proper example.
11. Define Array. List and define all array types with example.

THE END