

B-53

Roll No.....

Total No. of Questions : 18]

[Total No. of Printed Pages : 4

XIIARJKUT23

9153

IT/ITES

(Vocational)

Time : 2.30 Hours]

[Maximum Marks : 60

(LONG ANSWER TYPE QUESTIONS) 5 each

1. Discuss Entrepreneurship and qualities of a successful entrepreneur.

Or

Discuss about 'Green Jobs'. What are the green jobs available in solid waste management sector ?

2. Discuss 'Software Testing'. Define Unit Testing, Black Box Testing and White Box Testing.

Or

Discuss briefly 'Software Engineering' and list the phases of SDLC.

3. What steps should be taken to prevent 'Cyber Crime' ?

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Turn Over

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(2)

Or

What are the positive effects of technology on Health of Humans ?

(SHORT ANSWER TYPE QUESTIONS) 3 each

4. What steps should be taken to overcome 'Personality Disorders' ?
5. How can we maintain 'Positive Attitude' ?
6. Discuss about the 'Beta Version of a Software'.
7. What is Air Pollution and jobs available in 'Solar and Wind Energy' Sector ?
8. Write few features of Linux Operating System.
9. What is Cloud Computing ?
10. Define the terms :
 - (a) Copyright
 - (b) Patent
 - (c) Trademark

(VERY SHORT ANSWER TYPE QUESTIONS) 2 each

11. What is the difference between 'Listening' and 'Active Listening' ?
12. What do you mean by 'Self-motivation' ?
13. What is the need for 'Software Engineering' ?
14. Write down the Syntax for 'The For Loop' in Python.

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15. Name any *two* programming languages used for web development.

16. List few features of 'Smart Phone'

17. Name any *two* operating systems used in Mobile Phones.

(MULTIPLE CHOICE QUESTIONS)

1 each

18. (i) Libre calc and MS Excel are :

- ☒ (A) Spread Sheets (B) Presentation S/W
(C) Operating Systems (D) None of these

(ii) A software is used to display information in the form of a slide show.

- (A) Spreadsheet (B) Web Browser
☒ (C) Presentation (D) Operating System

(iii) Black box testing is also known as

- ☒ (A) Functional Testing (B) Complete Testing
(C) Halfway Testing (D) Unit Testing

(iv) A software engineer is a person who applies the principles of software engineering to design a software ☒ (True/False)

(v) Comments are non-executable statements to a program in Python. ☒ (True/False)

(vi) Repetitive execution of the same block of code over and over is referred to as

(A) Scripting

☒ (B) Iteration

(C) Compilation

(D) Debugging

(vii) Which of the following is not a HTML Tag ?

(A)

(B) <body>

(C) <center>

☒ (D) break

(viii) Which of the following HTML Tag is used for unordered list ?

(A) <u>

(B) <tr>

☒ (C)

(D) <p>

(ix) The SMS stands for :

(A) Smart Mobile Services

(B) Small Mobile Services

☒ (C) Short Message Services

(D) System Message Services

(x) Criminal activity that involves a computer, network devices or a network is called cybercrime.

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Total No. of Questions : 27]

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IT/ITES

(Vocational)



Time : 2.30 Hours]

[Maximum Marks : 60

SECTION-A

(MULTIPLE CHOICE QUESTIONS)

1 each

1. Which menu option will you click on to insert shapes and images ?

(A) Format

(B) Edit

(C) Tools

✓ (D) Insert

2. The ability to act in a situation before others do is :

(A) Interpersonal skills

✓ (B) Initiative

(C) Perseverance

(D) None of these

3. Which of these is not a type of testing ?

(A) Black Box

(B) Grey Box

(C) White Box

✓ (D) Red Box

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Turn Over

(2)

4. Black box testing is also known as *Functional Testing*
5. Which of these are string functions/methods ?
- (A) Len() (B) Upper()
- (C) Lower() ☒ (D) All of these
6. Python is case sensitive. ☒ (True/False)
7. How to create an ordered list in HTML ?
- (A) (B) <href>
- ☒ (C) (D)
8. HTML is case sensitive. ☒ (True/False)
9. Android is based on which language ?
- ☒ (A) Java (B) C
- (C) C++ (D) None of these
10. Full form of IOT *Internet of Things*

SECTION-B

(SHORT ANSWER TYPE QUESTIONS-I)

2 each

11. What is Active Listening ? Give an example.
12. What is Software Testing ?

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(3)

13. Name any *two* loops used in Python.
14. Name *two* advantages of CSS.
15. What is Self-awareness ?
16. What do you mean by Android Development Tools ?
17. Define Apple IOS.

SECTION-C

(SHORT ANSWER TYPE QUESTIONS-II)

3 each

18. What are the various factors that affect active listening ?
19. What are the techniques that help us to maintain a positive outlook in the long-run ?
20. What do you mean by Start-ups ?
21. Why there is need of Software Engineering ?
22. What is Machine Learning ?
23. What is Cyber Crime ? Name any *three*.
24. What are the different types of Mobile Applications ?

(4)

SECTION-D

(LONG ANSWER TYPE QUESTIONS)

5 each

25. Define Entrepreneur. What are the types of Entrepreneurs ?

Or

What is SpreadSheet ? What are the steps to save a spreadsheet ?

26. Describe any *three* types of Software Testing.

Or

What do you mean by Beta Version and Final Version of Software ?

27. Define the following terms :

(a) Intellectual Property Rights

(b) Trademark

Or

What are the tips to protect ourselves from Cybercrime ?

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IT/ITES
(Vocational)

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Section-A

(Very Short Answer Type Questions)

1 each

1. Which of the following signs define a formula ?

(A) +

(B) /

✓(C) =

(D) -

2. Ridhi owns a construction company and takes risky decisions in her work everyday. Ridhi is on

✓(A) Entrepreneur

(B) Wage employed person

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Turn Over

(2)

3. Write box testing is also known as *Glass box testing / Transparent testing / clear box testing*
4. What is the full form of SDLC ?
Software Development Life cycle.
5. 'Char' is used to store integer values (True/False) ✓
6. Python is
(A) High level (B) Interpreted
(C) Object-oriented ✓ (D) All of these
7. Full form of CSS is *Cascading style sheets*
8. What is the smallest header in HTML by default ?
(A) h1 (B) h2
✓ (C) h6 (D) h4
9. Who is known as Father of Computer Security ?
✓ (A) August Kerchhoff's (B) Bob Thomas
(C) Robert (D) Charles
10. Android is an :
✓ (A) Operating system (B) Web browser
(C) Web server (D) None of these

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(3)

Section-B

(Short Answer Type Questions-I)

2 each

11. Draw communication cycle.
12. What do you mean by motivation ?
13. What do you understand by Unit testing ?
14. Name any *two* jump statements in Python.
15. Write any *two* Internet Service Providers.
16. Name some HTML tags.
17. What do you understand by Android ?

Section-C

(Short Answer Type Questions-II)

3 each

18. What are the basic parts of speech ? Explain briefly.
19. Describe types of Motivation.
20. Explain briefly Artificial Intelligence.
21. Difference between white box and black box testing.
22. Define the terms :
 - (A) Copyright
 - (B) Patent

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(4)

23. What is Mobile web development ?
24. What are the ways to maintain a positive attitude ?

Section-D

(Long Answer Type Questions)

5 each

25. What are the different components of spreadsheet ?

Or

Write the steps to save the presentation.

26. What are the different phases of software development life cycle ?

Or

Explain briefly :

- (A) White box testing
- (B) Black box testing

27. What are different types of cybercrime ?

Or

What is Indian Information Technology Act (IT Act, 2000) ?

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