Model Paper

Information and Communication Technologies (ICT) Grade-10

OBJECTIVE

Total Marks: 10 **Class: 10** **Time Allowed: 15 mins**

Multiple Choice Questions (MCQ)

Q#1: Choose the correct option: **1 × 10 = 10**

i. The smallest unit in a spreadsheet is:

a. Row b. Column c. Cell d. Chart

ii. Which of the following is an example of emerging technologies?

a. Typewriter b. Radio c. Internet of Things (IoT) d.Tape Recorder

iii. Finding and fixing problems in the code or wiring is known as:

a. Testing b. Debugging c. Removing d. Recovering

iv. How is animation created?

a. By showing frames quickly b. By using a single picture

c. By changing color only d. By adding shadows

v. The art of making drawings or digital images move is:

a. Painting b. Sketching c. Animation d. Creation

vi. We can repeat our actions multiple times in JavaScript using:

a. Loops b. if statement c. if-else Statement d. Sequence Statements

vii. Which tag in HTML is used to insert an image on a web page?

a. <image> b.<src> c. <img> d. <pic>

viii. Which of the following is not example of CMS?

a. WordPress b. Wix c. Shopify d. Excel

ix. AI stands for:

a. Automated Information b. Artificial Intelligence

c. Advanced Interface d. Automated Interactions

x. Which AI concept helps chatbots understand user question:

a. Loops b. Intents c. Arrays d. Sprites

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SUBJECTIVE

Total Marks: 30 **Time Allowed: 1 hour and 45 mins**

Q#2: Write the answers to any four short questions. **2 × 4 = 8**

i. Write down at least two types of charts used in Spreadsheets.

ii. How sensors are used in daily life?

iii. Define emerging technologies?

iv. Define animation?

v. What is graphic design?

vi. What is the use of Text Alignment?

Q#3: Write the answers to any four short questions. **2 × 4 = 8**

i. Differentiate between Front-End and Back-End web development.

ii. Define Search Engine Optimization (SEO).

iii. What do you mean by digital marketing?

iv. What is the main goal of email marketing in Online Business?

v. Write two benefits of digital marketing.

vi. What are text-based AI tools like ChatGPT and Jasper used for?

Attempt any two long questions

Q#4: What is the purpose of sorting and filtering data in a spreadsheet? Explain with examples. **(07)**

Q#5: Discuss the differences between Front-End and Back-End development. **(07)**

Q#6: Describe the key concepts of chatbots, including intents, responses, and Natural Language Processing (NLP). **(07)**

MODEL PRACTICAL PAPER

Information and Communication Technologies (ICT) Grade-10

Total Marks: 35 **Time Allowed: 2 hours**

Q. 1 Calculate the total sale of a retail store for each product over last 4 weeks using the SUM function. Product sales: Week 1 = 180, Week 2 = 160, Week 3 = 170, Week 4 = 200. (12)

(a) Perform the task on computer. (05)

(b) Write step by step procedure on answer sheet. (07)

OR

Write code that enables the Arduino microcontroller to log temperature and humidity data from a DHT sensor to an SD card for periodic analysis. (12)

(a) Perform the task and execute it. (05)

(b) Write step by step procedure on answer sheet. (07)

Q. 2 Design a basic logo using CorelDRAW or Illustrator, applying shapes, colors and text. (12)

(a) Perform the task on computer. (05)

(b) Write step by step procedure on answer sheet. (07)

OR

Develop a static webpage using HTML and CSS that incorporates responsive design principles with Bootstrap. (12)

(a) Perform the task on computer. (05)

(b) Write step by step procedure on answer sheet. (07)

3: Practical Notebook (06)

4: Viva Voce (05)