SCHOOL-BASED ASSESSMENT (SBA) - 2025
END-OF-YEAR ASSESSMENT
SUBJECT: COMPUTER SCIENCE
GRADE-7

FINAL TERM

[Paper A: 48 Marks, Paper B: 52 Marks, Total: 100 Marks], Time = 3 hours

School Name: _____

ANSWER KEYS

Q. No.1 : b	Q. No.2 : b	Q. No.3 : b
Q. No.4 : b	Q. No.5 : b	Q. No.6 : b
Q. No.7 : c	Q. No.8 : c	Q. No.9 : c
Q. No.10 : d	Q. No.11 : c	Q. No.12 : b
Q. No.13 : c	Q. No.14 : b	Q. No.15 : c
Q. No.16 : c	Q. No.17 : a	Q. No.18 : b
Q. No.19 : b	Q. No.20 : b	Q. No.21 : c
Q. No.22 : c	Q. No.23 : b	Q. No.24 : a
Q. No.25 : b	Q. No.26 : d	Q. No.27 : b
Q. No.28 : b	Q. No.29 : b	Q. No.30 : c
Q. No.31 : c	Q. No.32 : c	

ANSWERS / RUBRICS

Question No: 33

سوال نمبر33

a) Differentiate between 3D and holographic imaging. (Marks 05)

3D اور ہولوگرافک امیجنگ میں فرق کریں۔(05نمبر)

Item Rubric (English) :

Award Two and a Half Marks for each correct explanation.

Accepted Answer:

3D imaging:

3D imaging refers to the process of capturing and analyzing data from three-dimensional dimensions, enabling detailed representations of surfaces and volumes.

holographic Imaging:

Holographic imaging is a special way of creating a 3D picture, like a photograph, where you can see an object from all sides as if it's right in front of you, just by looking at a flat surface, using light waves that are captured and then played back to create the image, kind of like a very detailed shadow that looks real.

Write any five good habits for writing an e-mail. (Marks 05)

ای میل لکھنے کی کوئی سی پانچ اچھی عادات لکھیں۔ (05 نمبر)

Item Rubric (English) :

Award One Mark for each good habit for writing an E-mail.

Acceptable Answer:

1. Use the clear, professional subject line
2. Proofread every email you send
3. Write your E-mail before entering recipient address.
4. Double check you have the correct recipient.
5. Ensure you CC all relevant recipients.
6. You don't always have to "reply all"
7. Reply to your E-mails.
8. Include a signature block.
9. Use the appropriate level of formality.
10. keep E-mails brief and to the point.

Question No: 34

سوال نمبر 34

a) Write five uses of e-mail. (Marks 05)

ای میل کے پانچ استعمالات لکھیں۔ (05 نمبر)

Item Rubric (English) :

Award One Mark for each correct use.

Acceptable Answer:

Uses of E-mail:

It is easy to use and can be accessed easily.

Can share information easily.

We can send messages at any time.

Can connect to people all over the world by sitting at your home.

Can work with others. Communication can be done with many people at the same time.

Write five common platforms of e-mail. (Marks 05)

ای میل کے پانچ پلیٹ فارم لکھیں۔ (05 نمبر)

Item Rubric (English) :

Award One Mark for each correct platform name.

Acceptable Answer:

Common Platforms for Elecronic mail: Gmail

- Microsoft Outlook
- Yahoo Mail
- AOL
- Zoho
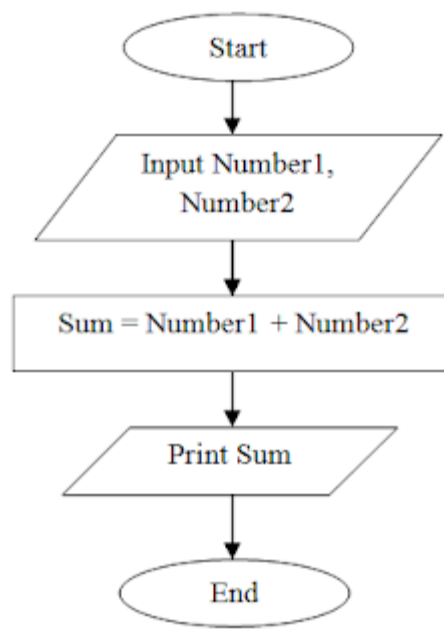- ProtonMail
- com

Question No: 35

سوال نمبر 35

a) Draw a flowchart to add two numbers and print the sum. (Marks 05)

دو نمبر جمع کرنے اور ان کا مجموعہ پرنٹ کرنے کے لیے ایک فلوچارٹ بنائیں۔ (05 نمبر)

Item Rubric (English) :

Award Five marks for drawing a flowchart.

Acceptable Answer:

What methods can we use to measure the efficiency of a solution? (Marks 05)

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ہم کسی سولیوشن کی کارکردگی کی جاننے کے لیے کون سے طریقے استعمال کرسکتے ہیں؟(05 نمبر)

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Item Rubric (English) :

Award Five Marks for the correct explanation.

Acceptable Answer:

There can be more than one solution for one problem and one solution can be more effiecient than others.

Efficiency of a solution is measured by following parameters:

- No of steps executed by the solution to solve the problem
- Memory consumed by the solution.

Question No: 36

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سوال نمبر 36

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a) Define scratch, and write four names of parts of the scratch interfaces. (06 Marks)

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سکریچ کی تعریف کریں، سکریچ انٹرفیس کے پانچ حصوں کے نام لکھیں۔(06 نمبر)

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Item Rubric (English) :

Award two Marks for writing the correct definition.

Award One Mark for each correct part.

Acceptable Answer:

Scratch is a programming software that makes it easy for us to create interactive games, animations and stories.

Steps:

- **Block categories**

This show the category of the blocks. You can click on the category to see the script blocks it contains.

- **Block palettes**

It has the list of blocks that can be added to your program when creating it. To add a block, you simply click on it and drag it to the script area.

- **Script area**

This is where the program runs and you can see Sprite in action.

- **Stage**

This where the program runs and you can see Sprite in action.

- **Sprite list**

As it suggests from the name it shows the sprite used in the program. We can add, delete, or modify sprites, or change the stage background (backdrop) from here.

- **X and Y coordinates**

Tell us the exact X and Y coordinates os the sprite on stage. Whereas location (0,0) is in the middle of the stage.

Convert binary numbers $(1011)_2$ and $(110101)_2$ to decimal numbers. (06 marks)

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درج ذیل بائنری نمبر$_2$(1011) اور$_2$(110101) کو ڈیسیمبل میں تبدیل کریں۔(06 نمبر)

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Item Rubric (English) :

Item Rubric:

Award three Marks for each correct conversion from binary to decimal.

Acceptable Answer:

Conversion 1:

Binary: 1011

$$= 1 \times 2^3 + 0 \times 2^2 + 1 \times 2^1 + 1 \times 2^0$$
$$= 8 + 0 + 2 + 1$$
$$= 11$$

Decimal: 11

Conversion 2:

Binary: 110101

$$= 1 \times 2^5 + 1 \times 2^4 + 0 \times 2^3 + 1 \times 2^2 + 0 \times 2^1 + 1 \times 2^0$$
$$= 32 + 16 + 0 + 4 + 0 + 1$$
$$= 53$$

Decimal: 53

Question No: 37

سوال نمبر 37

a) Define plagiarism and write its types. (Marks 05)

پلیجریزم کی تعریف کریں،اور اس کی اقسام لکھیں۔(05 نمبر)

Item Rubric (English) :
Award One Mark for the correct definition.
Award One Mark for each correct type.
Acceptable Answer:
Definition:
Presenting other's work or ideas as your own, with or without consent is called plagiarism. This covers all published and unpublished material whether in electronic or in printed form. Plagiarism is academic dishonesty and a disciplinary offence.
Types of plagiarism There are various types of plagiarism some of them are:
1. Global plagiarism:
2. Paraphrasing plagiarism:
3. Patchwork plagiarism:
4. Self-plagiarism:

Write five techniques of digital marketing. (Marks 05)

ڈیجیٹل مارکیٹنگ کی پانچ تکنیک لکھیں۔(05 نمبر)

Item Rubric (English) :
Rubrics: Award one mark for each correct technique.
Model Answer:
1. Social media Marketing:
2. Search engine Optimization:
3. Email marketing:
4. Content Marketing:
5. Video marketing:
6. Web advertising:
7. Affiliate advertising: