FINALPREPS ASSESMENTS AND EVALUATIONS

Mock Examination for B.E.C.E Candidates

November 2025

COMPUTING 2 & 1
(ESSAY AND OBJECTIVE TEST)

2 hours

Name: .....

Index Number: .....

INSTRUCTIONS

Do not open this booklet until you are told to do so. While you are waiting, read and observe the following instructions carefully. Write your name and index number in ink in the spaces provided above.

This booklet consists of two papers. Answer Paper 2 which comes first, in your answer booklet and Paper 1 on your Objective Test answer sheet provided. Paper 2 will last 75 minutes after which the answer booklet will be collected. Do not start Paper 1 until you are told to do so. Paper 1 will last 45 minutes.

FINALPREPS ASSESMENTS AND EVALUATIONS

MOCK 2 EXAMINATION – 2025/2026

COMPUTING

INSTRUCTIONS: *This paper is made up of two parts,* **Paper 1** *and* **Paper 2**. *You are to answer* ***all*** *questions in* **Paper 1**. **Paper 2** *is made up of two Sections,* ***A*** *and* ***B.*** *Answer all questions in Section* ***A (24 marks)*** *and any* ***three (3)*** *questions from* ***Section B (36 Marks)***. *The total mark for this paper is* ***100***.

PAPER 2 (ESSAY) – [60 marks]

SECTION A – [24 marks]

Answer Question 1 (Compulsory)

1. A teacher wants to design a simple program that accepts a student's marks as input and determines whether the student has passed or failed based on the following conditions:

- If the mark is between 50 and 100, display "Pass."
- If the mark is below 50, display "Fail."

Use this scenario to answer the following questions:

a) Write the pseudocode algorithm for the program. **[8 marks]**

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b) Draw a flowchart to represent the algorithm. **[8 marks]**

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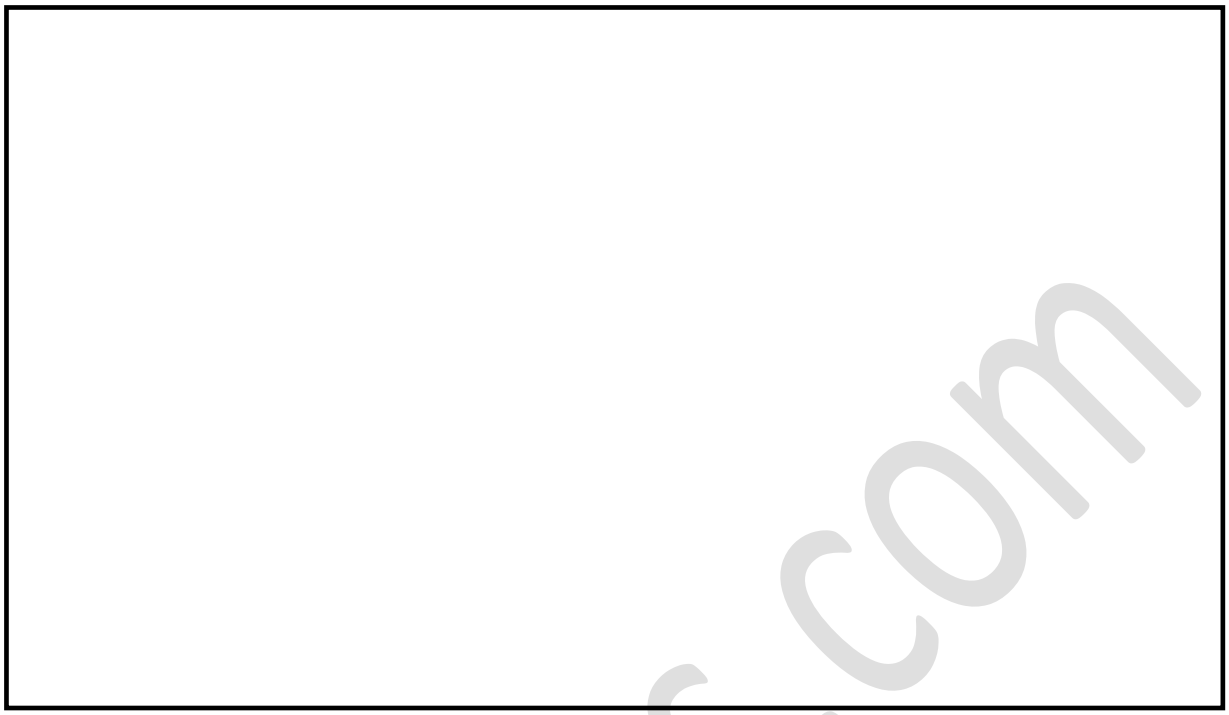

c) Control structures are used in the pseudocode.

i. Define control structure. **[3 marks]**

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ii. Mention two types of control structures used in the pseudocode. **[3 marks]**

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d) Write down the type of conditional statements used in the pseudocode. **[2 marks]**

SECTION B – [36 marks]

2. **(*a*)** Briefly describe ***Plug-and-Play*** devices? **[3 marks]**

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b) List the steps you would use to add a screenshot to PowerPoint slide. **[3 marks]**

c) State two benefits of using a cloud storage system such as Google Drive and OneDrive. **[4 marks]**

ii) List two parts of a robot. **[2 marks]**

3. A teacher has already prepared a class note in Microsoft Word and wants to make the content look more organised and easier to read.

a) Write the steps the teacher should follow to apply bullets to the existing list in Microsoft Word. **[4 marks]**

b) Convert the **10011010_2** to a decimal numeral. **[5 marks]**

c) Mention three online payment methods. **[3 marks]**

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4. **a)** Define Cyberbullying. **[3 marks]**

b) State three possible effects that cyberbullying can have on a victim. **[6 marks]**

c) Educate your friend on how to create a strong password. **[3 marks]**

5. **a)** What is a *Information Hacking*? **[3 marks]**

b) Identify the two risks surrounding the usage of social media platforms. **[4 marks]**

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c) Write down two importance of blogs. **[4 marks]**

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d) Write down the full meaning of 2FA as used in cybersecurity. [1 marks]

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PAPER 1

OBJECTIVES – [40 Marks]

1. Which feature in MS Word allows you to combine multiple cells into one?
A) Split Cells B) Join Cells
C) Combine Cells D) Merge & Center

2. Which symbol represents the processing stage in a flowchart?
A) Rectangle B) Diamond
C) Oval D) Parallelogram

3. What is the function of a collaborative robot in manufacturing?
A) Improve data storage
B) Assist human workers
C) Increase internet speed
D) Manage virtual reality

4. Which shortcut is used to undo an action in MS Word?
A) Ctrl + U B) Ctrl + X
C) Ctrl + Z D) Ctrl + A

5. Which function returns the largest value in Excel?
A) MAX() B) BIG()
C) LARGE() D) TOP()

6. Which protocol is used for sending email messages?
A) HTTP B) SMTP C) FTP D) IMAP

7. What does the IF function in Excel do?
A) Checks a condition and returns a value based on it
B) Merges cells
C) Formats text
D) Sorts data

8. What is the correct binary representation of the decimal number 5?
A) 101 B) 100 C) 111 D) 011

9. What is a major ethical concern in AI development?
A) Increased productivity
B) Job creation
C) Bias and discrimination
D) Better decision-making

10. What is the purpose of Windows File Explorer?
A) To manage files and folders
B) To open websites
C) To send emails
D) To configure hardware

11. Which AI tool is commonly used for language translation?
A) Image Recognition
B) Pattern Recognition
C) Natural Language Processing
D) Predictive Analysis

12. Which operator is used to assign a value to a variable in programming?
A) == B) = C) + D) !

13. What is a biometric security feature?
A) Passwords B) Antivirus
C) Firewall D) Face recognition

14. Which programming language is widely used for AI?
A) HTML B) CSS C) JavaScript D) Python

15. What is the primary function of a debugger in programming?
A) Write code B) Identify and fix errors
C) Format code D) Execute code

16. What is the main purpose of a firewall?
A) Monitor internet connection
B) Filter and block unauthorised access
C) Increase download speed
D) Boost Wi-Fi signal

17. What is the main function of a driver?
A) Control hardware components
B) Manage internet connectivity
C) Improve graphics
D) Manage email

18. What is the main purpose of a blog?
A) File storage
B) Online communication
C) Sharing news and information
D) Internet browsing

19. What does a virtual reality headset simulate?
A) Real-world environments
B) Online searches
C) Office work
D) Gaming codes

20. What does IoT stand for?
A) International of Technology
B) Internet of Tools
C) Internet of Things
D) Interface of Technology

21. Which shortcut closes a window in Windows OS?

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A) Ctrl + Z B) Ctrl + C
C) Alt + F4 D) Ctrl + A

22. What is an example of green computing?
A) Using AI
B) Reducing energy consumption
C) Faster internet connection
D) Increased screen brightness

23. What function returns the current date in Excel?
A) NOW() B) DATE()
C) TODAY() D) TIME()

24. What is an example of phishing?
A) Hacking software
B) Pop-up ads
C) Firewall protection
D) Fake emails asking for sensitive data

25. What is the function of encryption?
A) Speed up data transfer
B) Improve connectivity
C) Secure data transmission
D) Block spam

26. What does the "Undo" shortcut (Ctrl + Z) do in MS Word?
A) Deletes the document
B) Reverses the last action
C) Saves the document
D) Copies the document

27. Which term refers to the collection of data and traces a person leaves online through their digital activities?
A) Digital footprint B) Cyberbullying
C) Digital shadow D) Phishing

28. Which symbol represents the processing stage in a flowchart?
A) Rectangle B) Oval
C) Diamond D) Circle

29. In PowerPoint, which feature allows you to capture an image of your screen?
A) Snapshot B) Screenshot
C) Screen View D) Capture

30. Which file extension is used for a Word document?
A) .txt B) .xls C).docx D) .pdf

31. Which term refers to any potential danger or risk that can lead to the loss, damage, or unauthorised access of data?
A) Data backup B) Data threat
C) Data recovery D) Data encryption

32. What does the term "Ergonomics" refer to in computing?
A) Proper network configuration
B) Designing a comfortable and efficient work environment
C) Managing computer files
D) Developing software applications

33. What is the purpose of adjusting brightness and contrast in PowerPoint?
A) To adjust slide transitions
B) To resize an image
C) To improve image quality
D) To add animation

34. Which component of a computer manages all hardware and software resources?
A) Processor B) RAM
C) Operating System D) Hard Drive

35. In MS Word, which feature allows you to create a table with predefined styles?
A) Quick Table B) Format Cells
C) Table Insert D) AutoTable

36. Which of the following is an example of a microblogging application?
A) Facebook
B) WhatsApp
C) Tumblr
D) Zoom

37. In a programming language, which operator is used for comparison?
A) =
B) ==
C) : =
D) ===

38. Which of the following is an example of an information hacking technique?
A) Phishing
B) Data backup
C) File compression
D) Cloud storage

39. Which type of sensor is used in robotics to detect objects?
A) Motion sensor
B) Proximity sensor
C) Sound sensor
D) Temperature sensor

40. Which social media platform is primarily used for professional networking?
A) Facebook
B) LinkedIn
C) Instagram
D) Twitter

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