



040-9200518

No 754-AC.5

**OFFICE OF THE CONTROLLER**

Board of Intermediate and Secondary

Education, Sahiwal

Dated: 30-03-2021

**پریس ریلیز**

جملہ متعلقین کو آگاہ کیا جاتا ہے کہ انٹر میڈیٹ (پارٹ سیکنڈ) سالانہ امتحان 2021ء کے مضمون کمپیوٹر سائنس ایک ماڈل پیپر ALP (سمارٹ سلیبس) کے مطابق تیار کر لیا گیا ہے۔ اس سلسلہ میں سہیوال بورڈ نے اپنی ویب سائٹ (bisesahiwal.edu.pk) پر گائیڈ لائن کے طور پر کمپیوٹر سائنس کے پرچہ کا نمونہ اپ لوڈ کر دیا ہے۔ تمام ادارہ جات، اساتذہ کرام، والدین اور طلباء و طالبات ملاحظہ فرمائیں کہ اسی نمونہ کے مطابق 2021ء کا امتحان لیا جائے گا۔

  
30/3/2021  
**اسسٹنٹ کنٹرولر (سیکرٹری)**  
برائے کنٹرولر امتحانات

کاپی برائے اطلاع:-

1. پی۔ ایس برائے چیئرمین۔
2. پی۔ ایس برائے سیکرٹری کنٹرولر امتحانات۔
3. سٹورینسٹ اس ائڈ ما کے ساتھ کہ پریس ریلیز بورڈ ہذا کی ویب سائٹ پر اپ لوڈ کی جائے۔
4. راج ایڈو آرم نییشن آفیسر اس ائڈ ما کے ساتھ کہ پریس ریلیز ایکٹر وک و پرنٹ میڈیا کو برائے تشہیر بجوائے کا بندوبست فرمائیں۔

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Model Paper for 2021 & onward)

Computer Science (Objective)

Time Allowed:- 20 minutes

(Inter Part II)

Maximum Marks:- 15

Note:- You have four choices for each objective type question as A, B, C and D. The choice which you think is correct; fill that circle in front of that question number. Use marker or pen to fill the circles. Cutting or filling two or more circles will result in zero mark in that question. Write **PAPER CODE**, which is printed on this question paper, on the both sides of the Answer Sheet and fill bubbles accordingly, otherwise the student will be responsible for the situation. Use of Ink Remover or white correcting fluid is not allowed.

(MS-ACCESS)

| S.No. | Questions                                                                    | A              | B             | C           | D                 |
|-------|------------------------------------------------------------------------------|----------------|---------------|-------------|-------------------|
| 1.    | The output of a database application is                                      | Form           | Query         | Report      | Macros            |
| 2.    | The data in table is entered in                                              | Datasheet view | Layout view   | Design view | Normal view       |
| 3.    | A type of file that contains data is called?                                 | data file      | Program file  | image file  | Query file        |
| 4.    | Which of the following is also known as control Key?                         | Primary Key    | Candidate Key | Sort Key    | Foreign Key       |
| 5.    | Which of the following is used to describe the characteristics of an object? | Modality       | Attribute     | Cardinality | Entity            |
| 6.    | In 3NF, a non-key attribute must not depend on                               | Sort Key       | Synonym       | Homonym     | Non-Key attribute |

C Language

| S.N. | Questions                                                                    | A                   | B                 | C                | D                |
|------|------------------------------------------------------------------------------|---------------------|-------------------|------------------|------------------|
| 7    | The process of sending an argument to a function is called                   | Sending             | Passing           | Filtering        | Delivering       |
| 8    | On Successfully closing a file, the fclose ( ) returns                       | 0 (Zero)            | NULL              | 1 (One)          | File Pointer     |
| 9    | Which of the following language provided the basis for the development of C? | B                   | C++               | Pascal           | COBOL            |
| 10   | The number of digits after a decimal point is called                         | Significance        | Range             | Precision        | Scope            |
| 11   | Which character signifies the beginning of an escape sequence?               | \                   | {                 | #                | }                |
| 12   | Conditional operator is an alternative of                                    | if                  | If-else           | Nested if        | If-else-if       |
| 13   | Which programming structure executes program statements in order?            | Sequence            | RElation          | Decision         | Repitition       |
| 14   | What does a compound condition use to join two conditions?                   | Relational Operator | Relational Result | Logical Result   | Logical Operator |
| 15   | While loop is also called                                                    | Wend loop           | Counter loop      | Conditional loop | Continuous loop  |

(Inter Part-II)

(Model Paper for 2021 &amp; onward)

**Computer Science** (Subjective)

(Inter Part II)

Time Allowed: 2.10 hours

Maximum Marks: 60

**SECTION ----- I****2. Answer briefly any Six parts from the following.****6 × 2 = 12****(MS-Access)**

- (i) Differentiate between data redundancy and data inconsistency.  
 (ii) What do you mean by data independence? (iii) Write three important characteristics of a primary key. (iv) Why feasibility study is used? (v) Define database anomalies. (vi) Describe transitive dependency. (vii) What do you mean by Relational Data Base Management System?  
 (viii) Define Referential Integrity. (ix) What are check boxes?

**3. Answer briefly any SIX parts from the followings:-****6 × 2 = 12****C – Language**

- (i) What do you know about delimiters?  
 (ii) Differentiate between Compiler and Interpreter?  
 (iii) Define expression?  
 (iv) Rewrite the expression `n++`; without using the operator `++`  
 (v) What will be the output of the following  
`int number = 6;`  
`int x = 0;`  
`x = number --;`  
`printf ("%d\n", x);`  
 (vi) Find errors in the following code segment  
`int a b;`  
`a = 10`  
`b = 5;`  
`printf ("a+b = %c", a+b);`  
 (vii) Define getch function?  
 (viii) Write C- statement to print the value of unsigned long x.  
 (ix) What will be the Output of the following.  
`printf ("55\t");`  
`printf ("555");`

**4. Answer briefly any Six parts from the followings:-****6 × 2 = 12****C – Language**

- (i) Define condition. (ii) Define if statement. (iii) Define logical operators  
 (iv) Define -while Loop  
  
 Convert following while loop into for Loop.  
 (v) `int c = 0;`  
`while (c<5)`  
`{`  
`printf ("%d\n",c);`  
`c++;`  
`}`  
 (vi) Determine the output  
`for(a=5; a <= 5; a = a + 5)`  
`printf ("%d",a);`

- (vii) Define user-defined function.
- (viii) Compare Local and global variables.
- (ix) Define a stream.

**SECTION ----- II**

**Note:** Attempt any ONE question.

(8 × 1 = 8)

**MS - ACCESS**

- 5. Discuss four advantages of DBMS?
- 6. What is field property? Discuss any four properties in detail.

**SECTION ----- III**

**Note:** Attempt any TWO questions **C – Language**

(8 × 2 = 16)

- 7. Describe different data types to store integer data in C-Language.
- 8. What is nested “if” statement? Draw its flow chart. Explain its working with an example.
- 9. Write a program that inputs a number from user and display the factorial of that number.

  
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