FBISE PRACTICAL BASED ASSESMENT (PBA)

Guidelines/instructions for teachers/paper setters:

i.   There will be two Sections in PBA paper. In Section-A there will be one question having parts in it. Similarly, in Section-B there will be one question having parts in it.

ii.   In Section-A, Question No. 1 will be based only on one experiment taken from Part-I of the list of practicals.

iii. In Section-B, Question No. 2 will be based on multiple experiments taken from Part-II of the list of practicals.

iv.   Ratio of Part-I practicals is 60% while ratio of Part-II practicals is 40% in the PBA paper.

v.   Draw diagram(s) if asked for.

vi.   In the new pattern of practicals i.e. Practical Based Assessment (PBA), there will be no marks for practical note books and viva voce. However, students may record procedures, observations, apparatus and calculation etc on any type of plain papers/work sheets / practical folder for their future memory of all aspects of practical performance in order to attempt the PBA Examination amicably.

vii. It may be noted that performance of all the prescribed practicals is mandatory in the laboratories during the whole academic year and only those students will be able to attempt the PBA who will have performed the practicals in the laboratories as per requirement of each practical.

List of Practical activities: Computer Science HSSC-I

Part-I	
01	**Database** Design and develop a database containing: • Tables (3 to 5) • Queries (4 to 6) • Forms (up to 10) • Reports (5 to 10) Including all requirements of DBMS like relationships and main interface (Topics covered in Units : 7 - 8)
Part- II	
01	Recognition of components in System Unit (Recognition/ identification of input/ output/ processing/ memory/ storage/ communication devices covered in Units :1 - 5)
02	Resource Sharing (Hardware and Software using networking) (Steps related to different practical activities)

FEDERAL BOARD OF INTERMEDIATE AND SECONDARY EDUCATION ISLAMABAD

Subject: Computer Science HSSC-I
Paper: Practical Based Assessment (PBA)

Total Marks: 25   **Time: 60 minutes**

Roll Number

Name of Examination: _____

Centre Code: _____

Date: _____

Sig. of Dy. Supdt. _____

Instructions for students:

1. Fill all the entries including roll number.
2. Carefully read all the questions and then answer them at their specified spaces.
3. Use black or blue ball point.
4. No additional material or calculator is required.
5. Marks are mentioned against all questions in the brackets [ ].
6. Students may use the last page for rough work (if required).
7. Answer the questions as per given instructions.

SECTION-A

Question No. 1   **[Marks:15]**

A College Library has the collection of books for reference or borrowing. A database table 'BOOK' stores details regarding books in Library. Part of this table is given showing Book ID, ISBN, Book Title, Subject, Publishing date, Is Available.

Book ID	ISBN	Book Title	Subject	Publishing Date	Is Available
1	2054326741	Visual Programming	Computer Science	10-6-2009	No
2	3569871235	The story of Philosophy	Philosophy	15-2-1999	Yes
3	6549321456	Business Studies	Business	3-9-2007	Yes
4	7111423569	Principles of Physics	Physics	18-5-2002	No
5	9762145963	Organic Chemistry	Chemistry	17-10-2001	No
6	4123569878	Data Communication	Computer Science	8-12-2019	Yes
7	3236547912	Linear Algebra	Mathematics	22-4-2011	Yes
8	8121243567	Electromagnetism	Physics	14-8-1995	No

i. State the number of records and fields in the table.   [2]
Number of Fields:_____ Number of Records: _____

ii. Suggest the name of field that should be used for Primary Key.   [1]
_____

iii. Complete the table to represent the most appropriate data type for any **four(04)** fields based on the data shown.   [2]

Field name	Data type

iv. List the output that would be generated by the following Query design.   [4]

Field:	Book ID	ISBN	Book Title	Subject	Publishing Date	Is Available
Table:	BOOK	BOOK	BOOK	BOOK	BOOK	BOOK
Sort:						
Show:	√		√	√	√	
Criteria:				="Physics"		
Or:						

4

v. Fill the following Query design to display all 'Available' books of Computer Science. [4]

Field:						
Table:						
Sort:						
Show:	☐	☐	☐	☐	☐	☐
Criteria:						
Or:						

vi. Label the following components of Form design: [2]
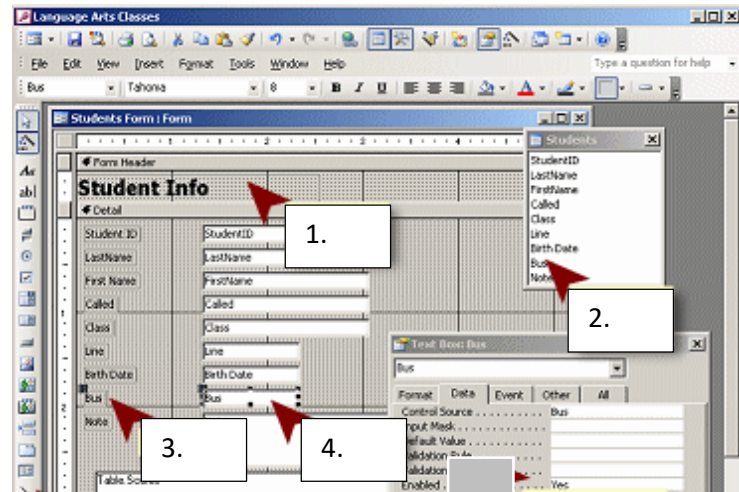
1. _____

2. _____

3. _____

4. _____

SECTION-B

Question No. 2   **[Marks:10]**

i.   The following worksheet has pictures of different devices. Categorize these devices into their relevant groups by mentioning their serial number and name: [3]

1.   2.   3.   4.

5.   6.   7.   8.

Input devices	Output devices	Network devices

ii.   The external devices are attached with the computer system using ports. The following figure has different ports indicated by numbers from 1-10.

a)   Recognize the ports and complete the following table by labelling any **four** (**04**) ports in the following figure: [4]
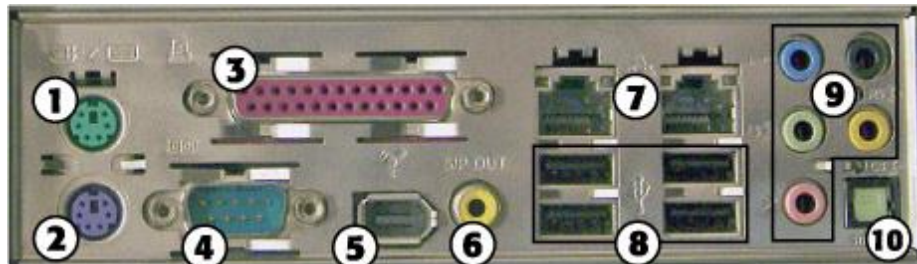
Port no.	Name

b) Name the port that is versatile and provides 'Plug n Play' communication.   [1]

_____

iii.   Complete the step-by-step procedure by fill in the blanks from the given list, to share the printer over the network.   [2]

(Sharing,   Share this printer,   Printer properties,   Devices and Printers)

Step-1: Click on Start in the bottom left corner of your screen. A popup list will

appear.

Step-2: Click on _____, from the popup list.

Step-3: Right click the printer you want to share. A drop-down list will appear.

Step-4: Select _____ from the drop-down list.

Step-5: Click on the _____ tab.

Step-6: Select the _____ check box.

ROUGH WORK