**RUBRICS: HSSC 1st ANNUAL EXAMINATION 2022**

**SUBJECT: COMPUTER SCIENCE-I (HA) Final: Dated: 20/6/22 at 5:55 pm**

| **Q.# /Part #** | **Criteria** | **Level 1 (Marks)** | **Level 2(Marks)** | **Level 3 (Marks)** | **Level 4 (Marks)** | **Level 5 (Marks)** |
| --- | --- | --- | --- | --- | --- | --- |
|  | Explanation of any two types of system software | Correct explanation of any two types (2) | Correct explanation of any one type (1) | Any relevant information(0.5) | Wrong (0) |  |
| Example of any two types of system software | Correct examples of any two types (1) | Correct example of any one type (0.5) | Wrong (0) |  |  |
|  | Two differences b/w hardware and software | Two correct difference (2) | One correct differences (1) | Wrong (0) |  |  |
| Example of hardware and software | One correct examples of each (1) | Correct example of any one (0.5) | Wrong (0) |  |  |
|  | Printer | Correct Definition/ purpose/ usage (1) | Partially correct definition/ purpose/ usage (0.5) | Wrong (0) |  |  |
| Explanation of laser printer | Correct explanation (2) | Partially correct explanation (1) | Wrong (0) |  |  |
|  | Advantages of flash memory | Two correct advantages (2) | One correct advantages (1) | Wrong (0) |  |  |
| Disadvantages of flash memory | One correct disadvantage (1) | Wrong (0) |  |  |  |
|  | Explanation of sequential access memory | Correct explanation (1.5) | Partially correct (1) | Wrong (0) |  |  |
| Explanation of direct access memory | Correct explanation (1.5) | Partially correct (1) | Wrong (0) | Wrong (0) |  |
|  | Role of DBA | Correct description of the role of DBA (3) | Partially Correct description of the role of DBA (2) | Any relevant information(0.5) |  |  |
|  | CISC with example | Correct definition/ purpose and example (1.5) | Correct definition/ purpose (1) | correct example (0.5) | Wrong (0) |  |
| RISC with example | Correct definition/ purpose and example (1.5) | Correct definition/ purpose (1) | correct example (0.5) | Wrong (0) |  |
| 2 (viii) | Purpose of fire wire port | Correct purpose (1) | Partially correct (0.5) | Wrong (0.5) |  |  |
|  | Purpose of serial port | Correct purpose (1) | Partially correct (0.5) | Wrong (0.5) |  |  |
|  | Purpose of USB port | Correct purpose (1) | Partially correct (0.5) | Wrong (0.5) |  |  |
| ) | Difference b/w synchronous and asynchronous transmission | Two differences with diagrams (3) | Two differences without diagrams (2) | Any one difference **OR** diagram (1) | Wrong (0) |  |
| ) | Best topology with reason | Topology name with two valid reasons (3) | Topology name with one valid reasons (2) | Topology name only (1) | Wrong (0) |  |
|  | Data link layer | Protocol and purpose (1) | Protocol **OR** purpose (0.5) | Wrong (0) |  |  |
| Network layer | Protocol and purpose (1) | Protocol **OR** purpose (0.5) | Wrong (0) |  |  |
| Session layer | Protocol and purpose (1) | Protocol **OR** purpose (0.5) | Wrong (0) |  |  |
|  | Wireless communication | Correctly mentioned One advantage and two disadvantages (3) | Any two aspects (2) | Any one aspect (1) | Wrong (0) |  |
| 2(xiii) | Infrared | Correct definition/ purpose (1) | Partially correct definition/purpose (0,5) | Wrong (0) |  |  |
| Importance in wireless communication | Description of Correct importance (2) | Description of Partially correct importance (01) | Wrong (0) |  |  |
|  | Cardinality of ERD | Correct identification (1) | Partially correct identification (0.5) | Wrong (0) |  |  |
| Modality of ERD | Correct identification (1) | Partially correct identification (0.5) | Wrong (0) |  |  |
| Degree of relationship | Correct identification (1) | Partially correct identification (0.5) | Wrong (0) |  |  |
| 2 (xv) | Transformation of entities | Correct transformation of entities (2) | Partially correct transformation of entities (1) | Wrong (0) |  |  |
| Transformation of Relationship | Correct transformation of relationship (1) | Partially correct transformation of relationship (0.5) | Wrong (0) |  |  |
| 2(xvi) | Tabular form | Correct definition/ purpose (1.5) | Partially correct definition/purpose (1) | Wrong (0) |  |  |
| Columnar form | Correct definition/ purpose (1.5) | Partially correct definition/purpose (1) | Wrong (0) |  |  |
|  | BIOS | Correct definition/ purpose (2) | Partially correct definition/purpose (1) | Wrong (0) |  |  |
| Ports | Correct definition/ purpose (2) | Partially correct definition/purpose (1) | Wrong (0) |  |  |
| PCI expansion slot | Correct definition/ purpose (2) | Partially correct definition/purpose (1) | Wrong (0) |  |  |
| Cooling system | Correct definition/ purpose (2) | Partially correct definition/purpose (1) | Wrong (0) |  |  |
| 4.a | Difference between static and dynamic RAM | Correct three differences of static and dynamic RAM (4) | Correct two difference of static and dynamic RAM (3) | Correct any one difference of static and dynamic RAM (2) | Wrong (0) |  |
| 4.b | Comparison b/w TCP suite with OSI Model | Correct description of four comparisons (4) | Correct description of three comparisons (3) | Correct description of two comparisons (2) | Correct description of one comparisons (1) | Wrong (0) |
| .a | Difference b/w data bus and address bus | Correct description of differences (4) | Partially Correct description of differences (2) | Wrong (0) |  |  |
| 5.b | Instruction cycle | Correct description of IC (3) | Partially Correct description of IC (2) | Names only (1) | Wrong (0) |  |
| Diagram | Correct diagram (1) | Partially Correct diagram (0.5) | Wrong (0) |  |  |
| 6.a | ER diagram | Correct ER diagram (2) | Partially correct ER diagram (1) | Wrong (0) |  |  |
| Identification of cardinality | Correct identification of cardinality (1) | Partially correct (0.5) | Wrong (0) |  |  |
| Identification of modality | Correct identification of modality (1) | Partially correct (0.5) | Wrong (0) |  |  |
| 6.b | Primary and alternate key | Correction definition/ purpose of both keys(2) | correct definition / purpose of any one (1) | Wrong (0) |  |  |
| Pictorial example | Correct diagram of both keys (2) | Correct diagram of any one key (1) | Wrong (0) |  |  |