**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)** |
| --- | --- | --- | --- | --- | --- | --- |
| $$2\left(i\right)$$ | 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) |  |  |
| $$2(ii)$$ | 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) |  |  |
| $$2(iii)$$ | 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) |  |  |
| $$2(iv)$$ | Advantages of flash memory  | Two correct advantages (2) | One correct advantages (1) | Wrong (0) |  |  |
| Disadvantages of flash memory | One correct disadvantage (1) | Wrong (0) |  |  |  |
| $$2(v)$$ | 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) |  |
| $$2(vi)$$ | 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) |  |  |
| $$2(vii)$$ | 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) |  |  |
| $2(ix$) | 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) |  |
| $2(x$) | Best topology with reason | Topology name with two valid reasons (3) | Topology name with one valid reasons (2) | Topology name only (1) | Wrong (0) |  |
| $$2(xi)$$ | 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) |  |  |
| $$2(xii)$$ | 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) |  |  |
| $$2(xiv)$$ | 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) |  |  |
| $$3$$ | 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) |
| $5$.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) |  |  |