

Exam ID.

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Candidates must write the Set No.
on the title page of the OMR Sheet.

DAV PUBLIC SCHOOLS, ODISHA ZONE –I
PA-II EXAMINATION, 2021-22

- Check that this question paper contains 8 printed pages.
- Set number given on the right hand side of the questions paper should be written on the OMR SHEET by the candidate.
- Check that this question paper contains 38 questions.

CLASS – XII
SUB : IT

Time :90 min

Maximum Marks:30

General Instruction:

1. Please read the instructions carefully
2. This Question Paper is divided into 03 sections, viz., Section A, Section B and Section C.
3. Section A is of 05 marks and has 06 questions on Employability Skills.
4. Section B is of 20 marks and has 25 questions on Subject specific Skills.
5. Section C is of 05 marks and has 07 competency-based questions.
6. Do as per the instructions given in the respective sections.
7. Marks allotted are mentioned against each section/question.
8. All questions must be attempted in the correct order

SECTION A

Answer any 5 questions out of the given 6 questions on Employability Skills (1 x 5 = 5 marks)

1. Identify the subject in the sentence, “The children played football”.
 - (a) The children
 - (b) children played
 - (c) played
 - (d) football

2. Suicide. What type of personality disorder is this?
 - (a) Borderline
 - (b) Dependent
 - (c) Avoidant
 - (d) Obsessive
3. Which of the following is not a parameter to describe an individual's personality?
 - (a) Self-confidence
 - (b) Openness
 - (c) Neuroticism
 - (d) Agreeableness
4. The correct order of steps for entering data in a spreadsheet is:
 - (a) type the data, click the cell and press **Enter**.
 - (b) click the cell, type the data and press **Enter**.
 - (c) press **Enter**, click the cell and type the data.
 - (d) click the cell, press **Enter** and type the data
5. Mona is helping her sister to overcome a personality disorder. What should she do?
 - (a) Talk to her sister
 - (b) Engage her in hobbies
 - (c) Help her build confidence
 - (d) All of the above
6. What will you do to select an entire worksheet in a spreadsheet?
 - (a) Click the File tab and select properties from the list
 - (b) Click the grey row heading
 - (c) Click the grey rectangle in the upper left corner of the spreadsheet
 - (d) Click the grey column heading

SECTION B

Answer any 20 questions out of the given 25 questions (1 x 20 = 20 marks)

7. Which is not a phase of Application Project devt.
 - a) Requirements Definition Phase
 - b) Design Phase
 - c) Implementation Phase
 - d) coding Phase
8. Which of the following is **not** an example of eGovernance?
 - a. To file property tax
 - b. To apply for renewal of Passport
 - c. To start an online coding course for 3 months
 - d. To get Voters ID card issued
9. Finding of Bugs and Fixing them happens in _____ .
 - a. Design Phase
 - b. Testing Phase
 - c. Implementation Phase
 - d. Requirement Definition Phase

10. _____ command is used to modify the base table definition.
- Create Table
 - Alter Table
 - Update Table
 - Modify Table
11. Keyword used to display the structure of the table
- Describe
 - Show
 - Select
 - Display
12. Which command is used to change the domain type?
- select
 - update
 - create
 - alter
13. Which of the following combination renames an existing column name?
- Alter modify
 - Alter update
 - Alter change
 - Alter add
14. The following output is shown for a query mentioned below from a table with cardinality 5 and degree 4. Identify the query.
- | Name | Gender | Country |
|------|--------|---------|
| Xyz | female | india |
| Ptm | female | china |
| Jkl | male | brazil |
- SELECT Name, Gender, Country FROM Citizen WHERE Gender like '%male';
 - SELECT * FROM Citizen WHERE Gender like '%male';
 - SELECT Name, Gender, Country FROM Citizen;
 - SELECT Name, Gender, Country FROM Citizen Order by Name;

15. Go through the description of a given table and select the correct query:

Table name	column name	datatype	Constraint
Emp	eno	int	primary key , unique
	ename	char	not null
	desig	char	default 'worker'
	Salary	decimal(6,2)	check sal>4999

- a) Insert into table Emp values (101,'xyz',manager',9000);
- b) Insert into Emp(eno,ename,desig) values (101,'xyz',manager');
- c) Insert into Emp(eno,ename,salary) values (101,'xyz',9000);
- d) Insert into Emp values (101,'xyz',9000);

16. Which statement is correct among the following?

- a) There can be multiple primary keys for a relation
- b) Primary key makes sure that each record is unique.
- c) primary key allows null values.
- b) Primary key constraint is a mandate for any relation.

17. Which statement out of the following will display unique values for the attribute class

- a. select class from student where class is unique;
- b) select class from student where class is not null;
- c) select class from student where class is primary key;
- d)select class from student group by class;

18. Which is correct for attributes of a relation?

- a) The order of attributes in a relation can be changed.
- b) The order of attributes in a relation cannot be changed.
- c) The attributes having same domain always follow same rules.
- d) The attributes having same domain sometimes follow same rules.

19. Which SQL keyword is used to sort the result?

- a) ORDER BY
- b) SORT
- c) ORDER
- d) SORT BY

20. The company manager wants to go for salary hike of some employees. So he wants to know the number of employees who are drawing salary more than 50000 from all departments. Which of the following query is most appropriate to display the required result?
- a) select count(*), department from employee where salary>50000;
 - b) select count(*) from employee group by department having salary>50000;
 - c) select count(*), department from employee where salary>50000;
 - d) select count(*) from employee group by department where salary>50000;
21. There are 10 tuples in a relation. Which command out of the following will delete all 10 records?
- a) delete from employee;
 - b) delete * from employee;
 - c) delete all from employee;
 - d) drop table employee;
22. _____ commands deletes the tuples from a Table
- a) Drop
 - b) Delete
 - c) Modify
 - d) None of the above
23. Each page on the web has a unique address called?
- a) ftp
 - b) http
 - c) url
 - d) www
24. The collection of web page is called
- a) browser
 - b) website
 - c) Software
 - d) Workbook
25. Joyshis created a relation named MovieStock with attributes Mid, Mname, Dur, LeadRole to maintain a movie library. After 5 days he added 5 more attributes and 4 tuples to the database. After 2 days he added 2 more attributes and 1 tuple to the database. Calculate the degree and cardinality of the relation.
- a) Degree:5 Cardinality: 10
 - b) Degree:11 Cardinality: 5
 - c) Degree:6 Cardinality: 11
 - d) Degree:7 Cardinality: 9

26. Which of the following statements is true
- a) The web designer shouldn't just be concerned about the looks but also about user interface
 - b) Usability is very important in web design
 - c) a and b
 - d) None of the above
27. _____ replaces zero or more number of random character, when used with Like keyword.
- a. _
 - b. %
 - c. \$
 - d. @
28. _____ is not an aggregate function
- a. Sum()
 - b. Count()
 - c. Round()
 - d. Avg()
29. Which of the following is true
- a) You need a server to host your website files
 - b) You don't need a server to host your website files
 - c) You can create a website without using HTML
 - d) You can't create a website without a CMS
30. Choose the correct sequence to be followed while buying online.
- a. Provide your details (Or login into your bank account)
 - b. Add items in shopping cart
 - c. Choose payment option (Make payment if not cash on delivery)
 - d. Select Buy option
- A). c,d,b,a
 - B) b,d,c,a
 - C) d,b,c,a
 - D) a,c,b,d
31. To make your website mobile friendly, you can make your website
- a) Responsive
 - b) Reactive
 - c) Fast Loading
 - d) Light

SECTION C
(COMPETENCY BASED QUESTIONS)

Answer any 5 questions out of the given 7 questions (1 x 5 = 5 marks)

- 32. Sampriti** wanted to work with a database report. Select the correct sequence of operation so that she is able to add a new record to the relation employee and view it.
- a) use report -> desc employee -> insert into employee -> select*from employee
 - b) use employee -> desc report -> insert into report -> select*from report
 - c) desc report -> insert into employee -> use report ->select*from employee
 - d) desc employee -> insert into report -> use employee ->select*from employee
- 33. Shuvam** wants to delete a table from the database. But he is confused with the table name. Help him to find the table and perform the desired operation.
- a) show database ? use database ? show table ? delete <table name>
 - d) show database ? use database ? show table ? drop <table name>
 - c) show databases ? use database ? show tables ? delete <table name>
 - d) show databases ? use database ? show tables ? drop <table name>
- 34. Rajesh** is unable to remember an urgent mobile number but he remembers the last 4 digits as 1246. Which query can fetch him the desired phone number from his phone directory?
- a. SELECT * FROM phonebook WHERE phoneno like '%1246%';
 - b. SELECT * FROM phonebook WHERE phoneno like '1246%';
 - c. SELECT * FROM phonebook WHERE phoneno like '______1246';
 - d. SELECT * FROM phonebook WHERE phoneno like '_1246%';
- 35. A teacher** wants to see the students name from section b,c and d from a relation student(schno, name, class, section) . Which query will fetch the required records?
- a) SELECT * FROM student WHERE name IN ('b','c','d') ;
 - b) SELECT * FROM student WHERE section = 'b' or section = 'c' and section = 'd';
 - c) SELECT * FROM student WHERE section IN ('b','c','d') ;
 - d) SELECT * FROM student WHERE section = 'b' and section = 'c' and section = 'd';
- 36 Harish** got the following output when he executed a sql query.
- | | |
|------|---------|
| Name | Section |
| Xyz | a |
| Pqr | b |
| Mnc | a |
- Identify the query/ies which may fetch the above given result.

- a. select Name, Section from student group by section;
- b. select Name, Section from student distinct section;
- c. select Name, Section from student where section= 'A' and section='B';
- d. select Name, Section from student where section is not null ;

37. E business offers advantages and opportunities, there are also risks and barriers. These include

- (a) Violation of customer privacy
- (b) Spikes causing websites to fail at peak times
- (c) Internet hackers penetrating company security
- d) All of the above

38. Which of the following is **not** an example of eGovernance

- a. To file property tax
- b. To apply for renewal of Passport
- c. To start an online coding course for 3 months
- d. To get Voters ID card issued