



R. D. Engineering College, Ghaziabad College Code-231
Approved by AICTE & Affiliated to Dr. APJ Abdul Kalam Technical University, Lucknow

**Pushplata Scholarship Scheme
Policy(Year 2018-19)**

Date:- 03-06-2018

On the Basis of Admission test conducted for the students taking admissions in B.Tech 1st Year of all the Courses, College Management has decided to provide Scholarship to these Students in the form of Fee Concession in their 1st Year Fees.

The Criteria for scholarship is as follows:-

Students Scoring more than 90% Marks in the admission test will be provided a concession of Rs 25668.


R.D. Engineering College
Duhai, Ghaziabad
Dr. Sanjeev Sharma

(Director)

Cc To

1. All HODs
2. Chief Finance Officer
3. Accounts Department
4. IQAC




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R.D. Engineering College
Duhai, Ghaziabad


Director
R.D. Engineering College
Duhai, Ghaziabad

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R. D. Edinger
General



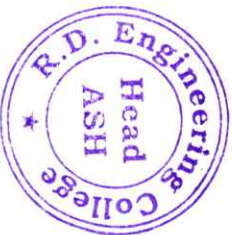
R.D. ENGINEERING COLLEGE, GHAZIABAD

PUSHPLATA SCHOLARSHIP SCHEME (DETAILS)

Session: 2018-19

S.NO	ROLL NO	NAME	FATHER'S NAME	BRANCH	YEAR	TOTAL FEE (RS)	CONCESSION PROVIDED (RS)
1	1823110002	Aaryan Tyagi	Arjun Tyagi	CS	1ST	81482	25668
2	1823110032	Himanshu Agarwal	Praveen Kr. Agarwal	CS	1st	81482	25668
3	1823110049	Mayank Tyagi	Rajesh Tyagi	CS	1st	81482	25668
4	1823110061	Nipun Sharma	Yogesh Kumar	CS	1st	81482	25668
5	1823110068	Paras Goel	Subhash Goel	CS	1st	81482	25668
6	1823110077	Prateek Mani Tripathi	Rajesh Mani Tripathi	CS	1st	81482	25668
7	1823110109	Tushar Kansal	Subhash	CS	1st	81482	25668
8	1823110111	Ujjawal	Magendra Tyagi	CS	1st	81482	25668
Total Concession Provided :						₹ 205,344	

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Pushplata Scholarship Scheme

Qualifying Examination

Time: - 2 Hrs

Admission Year – (2018-19)

Name of Applicant: - Aaryan Tyagi

Father's Name: - Arun Tyagi

Branch (to be opted):- CS



Note:- Attempt all Questions. Each question is of 1 mark.

1 If the amplitude of a complex number is $\pi/2$ then the number is

- (a) purely imaginary (b) purely real (c) 0 (d) neither real nor imaginary

2 What is the value of factorial Zero (0!)

- (a) 10 (b) 0 (c) 1 (d) -1

3 In how many different ways can the letters of the word 'CORPORATION' be arranged so that the vowels always come together?

- (a) 810 (b) 1440 (c) 2880 (d) 50400

4 Let $R = \{(3,1), (2,4), (4,2), (3,2), (1,3)\}$ be a relation on the set $A = \{4,3,2,1\}$. The relation R is

- (a) a function (b) transitive (c) not symmetric (d) reflexive.

5. In triangle ABC, we are given that $3 \sin A + 4 \cos B = 6$ and $4 \sin B + 3 \cos A = 1$. Then the measure of the angle is

- (a) 30° (b) 150° (c) 60° (d) 75°

6. The number of values of x in the interval $[0, 3\pi]$ satisfying the equation $2\sin^2x + 5\sin x - 3 = 0$ is

- (a) 4 (b) 6 (c) 1 (d) 2

7. The line $y=mx+c$ intersects the circle $x^2+y^2=a^2$ at the most of _____ points.

- (a) 1 (b) 2 (c) 3 (d) 4

8 The line $5x - 2y + 4k = 0$ is a tangent to $4x^2 - y^2 = 36$ then k is

- (a) $4/9$ (b) $2/3$ (c) $9/4$ (d) $81/16$

9. The center of the circle $4x^2+4y^2-8x+12y-25=0$ is ?

- (a) (1,2) (b) (-1,3/2) (c) (-3/2,1) (d) (1,-3/2)

10. The line passing through the points (5, 1, a) and (3, b, 1) crosses the yz-plane at the point

- (a) $a = 2, b = 8$ (b) $a = 4, b = 6$ (c) $a = 6, b = 4$ (d) $a = 8, b = 2$

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- (a) Displacement, velocity (b) time, frequency (c) Wavelength, focal length (d) force, acceleration

12. Average distance of the Sun from the Earth

- (a) light year (b) astronomical unit (c) fermi (d) parsec

13. The number of significant figures in the number 0.0028 is,

- (a) 2 (b) 3 (c) 4 (d) 5

14. Which of the following is not the unit of time

- (a) second (b) minute (c) month (d) light year

15. If $x = a + bt + ct^2$, where x is in metre and t in second, then what is the unit of 'c'?

- (a) m/s (b) m/s^2 (c) kgm/s (d) m^2/s

16. The base quantity among the following is,

- (a) Speed (b) area (c) length (d) weight

17. Dimensional analysis can be applied to

(a) to check the correctness of a physical equation. (b) to derive the relationship between different physical quantities.

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18. Which of the following physical quantity has the dimensional formula $[M^1L^2T^{-3}]$

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21. Scale may be formed inside the boiler due to decomposition of:

- a) $\text{Ca}(\text{HCO}_3)_2$
- b) MgCO_3
- c) MgCl_2
- d) CaCl_2

22. The chemical formula of zeolite is _____.

- a) $\text{FeSO}_4 \cdot 7\text{H}_2\text{O}$
- b) $\text{Al}_2(\text{SO}_4)_3 \cdot 18 \text{H}_2\text{O}$
- c) $\text{Na}_2\text{O} \cdot \text{Al}_2\text{O}_3 \cdot x\text{SiO}_2 \cdot y\text{H}_2\text{O}$
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23. Which bond has the highest bond energy

- O₂
- b) O_2^{+2}
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24. When silicon (Si) is doped with phosphorous (P) we get

- a) p-type semiconductor
- b) n-type semiconductor
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- a) s-s orbitals
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- a) CaCl_2 b) Ca(OH)_2 c) NaCl d) MgCl_2

28. Which of the following is not a Polyamide

- a) Leather b) Natural rubber c) Wool d) Nylon-66

29. The catalyst used in the manufacture of polyethene by Ziegler method is

- a) Lithium tetrachloride and triphenyl aluminium
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Qualifying Examination

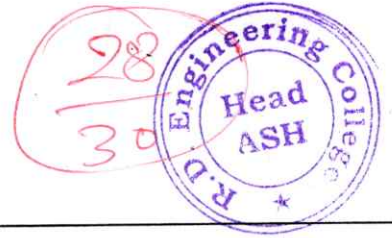
Time: - 2 Hrs

Admission Year – (2018-19)

Name of Applicant: - *Himanshu Agarwal*

Father's Name: - *Praveen K. Agarwal*

Branch (to be opted):- *C.S.....*



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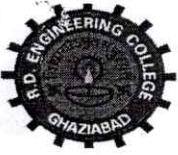
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Pushplata Scholarship Scheme

Qualifying Examination

Time: - 2 Hrs

Admission Year - (2018-19)

Name of Applicant: - *Mayank tyagi*

Father's Name: - *Rajesh tyagi*

Branch (to be opted):- *CS*



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Name of Applicant: - ... Nipun Sharma ...

Father's Name: - ... Xegish Kumar ...

Branch (to be opted):- ... CS ...



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- a) $\text{Ca}(\text{HCO}_3)_2$
- b) MgCO_3
- c) MgCl_2
- d) CaCl_2

22. The chemical formula of zeolite is _____.

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- b) $\text{Al}_2(\text{SO}_4)_3 \cdot 18 \text{H}_2\text{O}$
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23. Which bond has the highest bond energy

- O₂
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24. When silicon (Si) is doped with phosphorous (P) we get

- a) p-type semiconductor
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Pushplata Scholarship Scheme

Qualifying Examination

Time: - 2 Hrs

Admission Year – (2018-19)

Name of Applicant: - Paras Goel

Father's Name: - Subhash Goel

Branch (to be opted):- CS

28
30



Note:- Attempt all Questions. Each question is of 1 mark.

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- (a) purely imaginary (b) purely real (c) 0 (d) neither real nor imaginary

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Dunbar, Cl. 25/10/19

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Dunbar, Cl. 25/10/19



Pushplata Scholarship Scheme

Qualifying Examination

Time: - 2 Hrs

Admission Year - (2018-19)

Name of Applicant: - Rajesh Mani Tripathi

Father's Name: - Rajesh Mani Tripathi

Branch (to be opted):- CS

28
30



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Director
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R.D. Engineering College
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Wakil
Dean Academics
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Pushplata Scholarship Scheme

Qualifying Examination

Time: - 2 Hrs

Admission Year – (2018-19)

Name of Applicant: - Tushar Kansal

Father's Name: - Subhash

Branch (to be opted):- CS



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Pushplata Scholarship Scheme

Qualifying Examination

Time: - 2 Hrs

Admission Year – (2018-19)

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Director
R.D. Engineering College
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- a) s-s orbitals
- b) p-p orbitals
- c) s-p orbitals
- d) s-p-s orbitals

26. Temporary hardness of water can be removed by

- a) Boiling
- b) Filtration
- c) Screening
- d) Sedimentation

27. Suspension of milk is

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- a) CaCl_2 b) $\text{Ca}(\text{OH})_2$ c) NaCl d) MgCl_2

28. Which of the following is not a Polyamide

- a) Leather b) Natural rubber c) Wool d) Nylon-66

29. The catalyst used in the manufacture of polyethene by Ziegler method is

- a) Lithium tetrachloride and triphenyl aluminium
b) Titanium tetrachloride and trimethyl aluminium
c) Titanium oxide
d) Titanium isoperoxide

30. When CH_3MgI is made to react with acetone and the addition product is hydrolysed we get

- a) Primary alcohol b) Secondary alcohol
c) Tertiary alcohol d) An aldehyde