

EIL MT Exam Paper For Chemical

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The chemical paper was also as like as the GATE exam. Technical question was the simple and conceptual & GK was quite tough comparatively as other exams. The paper comprises of 150 questions, 50 are General awareness and remaining 100 are technical questions. All are multiple choice questions. The paper was of objective type with 4 multiple type answer and there was 1/4 negative marking.

Paper consists of 2 parts: 1. Non-tech. (50 ques.) , 2. Technical (100 ques.) Duration: 2 hrs

Here we are submitting you the ques we remembered....

Chemical

Part-1

Out of 50 ques hardly 3-4 were of general English, no ques. is from aptitude the rest all were GK ques.

1. Which country is rich in thorium..

Ans. India

2. "Eco Mark" is used on products which are:

Ans. Eco friendly.

3. Animax channel belong to which of the following:

a) sony pictures, b) zee, c) star, d) disney

4. first nuclear plant in India was set up at:

Ans. Tarapur

5. Recently India has done "Science Express Deal" with which of the following countries:

a) Germany, b) Japan, c) China, d) Russia

6. Pandit Jawaharlal Nehru award was given first time to the president of which of the following countries:

a) Brazil, b) Mexico, c) Austria, d) Sweden.

7. Kaziranga National Park is Famous for:

a) Rhino, b) Zebra, etc....

8. APJ Abdul kalam is related to which of the following missiles:

a) ASLV, b) GSLV, c) SLV, etc..

9. Progen is the BPO of which company:

a) Satyam, b) Wipro, c) Infosys, etc..

10. Bharat Parvasi Divas is celebrated on which day:

Ans. 9th nov.

11. Pongal is the festival belongs to which state:

a) Kerela, b) Karnatka, c) Orissa, etc..

12. Which dance is known as the "Ballet of East":

a) kathak, b) bharatnatyam, c) kuchipudi, d) manipuri

13. Sunderbans are famous for:

a) Mangroves, b) Tropical forests, etc..

14. The famous Golfer Vijay Singh belongs to which country:

a) Fiji, b) kenya, c) Maldives, etc..

15. LTTE is related to which country:

Ans. Shrilanka

16. Which of the following is not included in new 7 wonders:

a) Taj Mahal, b) The Grand Canyon, c) machhi Puchhi, etc..

17. Who is known as the father of modern biology?

a) Charles Darwin, etc...

18. P.Sainath is related to which of the following:

a) TV Anchoring, b) Drama, c) Mountaineering, etc...

19. The elephants, the tiger, the cell is written by:

a) Sashi Throor, etc....

20. Anandmath is written by which author:

a) Rabindernath Tagore, b) BC Chatterji, c) Premchand, etc...

21. Bessel 2 norms are related to:

a) Cyber crimes, etc...

22. Steve Fosset is related to:

a) Crocodile Hunting, etc...

23. Dr. MS Swaminathan is related to :

a) planning commission, b) sixth pay commission, c) national farmers commission, etc..

24. First soundless movie of Bollywood:

Ans. Alam Ara

25. What is the meaning of Dime a Dozen...?

a) easy to get, b) easily available, etc...

26. Nightmare: Dream

a) Dread: Expectation, b) Frustration: Confusion, etc..

27. Meaning of Concur:

a) to deny, b) Unusual, etc...

28. Golden Arches is related to which of the following:

a) KFC, b) McDonalds, etc...

29. Meaning of: "The way the wind blows" :

a) way the things were , b) way the things are, etc...

30. I would hope that you ____ take tea with me 2mrw.

a) shall, b) will, c) would, d) could

31. In Ambulance which of the aural postural balance is difficult to maintain:

a) nose, b) eyes, c) ears, d) hands

32. the next olympics will be held in which country:

a) london, b) New York, c) Paris, d) Switzerland

33. Where is the OPEC head office located?

Ans Viena

Technical:

q1 expression for joule thompson coefficient and its conditions.

q2 power number and its formula.

q3 drag coefficient and its conditions.

q4 what is the change in gibb's free energy during phase change. =0

q5 simple questions on fouriers law of heat transfer. wall question.

q6 density of air at 40oc temp and 1 bar pressure.

q7 froude number, prandtl number etc.

q8 expression for distance from the leading edge of the plate for boundary layer to develop.

q9 ditus boelter equation of heat transfer

q10 simple question on view factor.

q11 adsorption tower question

q12 simple numerical based on stoichiometry and weight fraction and raoult's law.

q13 what is the ratio of fugacity and pressure is called.

q14 what is shaft work in terms of p and v.

q15 good questions from cre

which reactor should be put first and which order of reactors will give faster rate of reaction .

q16 direct questions from chemical process control around 7-8 questions.

like damped and undamped conditions

and pd pid and pi controllers questions.

what is the transfer function for first order.

based on laplas also

q17 what type of shape will carnot cycle will be of if T-S diagram is formed ,,,, rectangular.

q18 clausious clapyron equation.

q19 dimension of resistance of heat transfer.

q20 questions from unit operations which type of mill is used for crushing this size.

q21 question on azeotropic distillation.

theoretical one.

q22 questions on degree of freedoms

q23 question on venturi meter and orifice meter good questions read carefully.

like what should be the frictional head loss at maximum velocity like that

q24 packed tower and tray tower.

q25 why pneumatic control valves are preferred over other type of control valves.

q26 safet and hazard one questions on degrees of burns which category heavy or etc.

q27 why octane number is used.

RO: Right Option

How many litre are in one barrel? RO: 159

Where is the OPEC head office located? RO: Viyana

Which is the fiest Silence move? RO: Harischanra

Animax channel belongs to which channel? RO: Diseny

Whose wrote a famous book "AnandMatha" ? RO: B.C Chetergee

Which Institute A.P.J.Abdul Kalam associated? RO: PSLC

Which Country was the firsrt impose Corban Test?

Purgeon BPO unit associated with which Company?
Who is the first president of INC?
Which Prize is alternative of Nobel Prize? RO: Child livelihood
Nilgiri is famous for which crops?
At which state Ganga & Alakhnanda meet?
Which country impose euthenesia first law?
"Lithe" is belongs to which country?
P.Sainath belongs to which proffession?
M.S Swaminathan is belong to which commission?
"The Cell, the elephant & the snak" who wrote this book?
"pongal" festible belongs to which state?
Which dance is called "East of Bellet"?
Kangiranga park is famous for which animal? RO: Rihno
The faomous golfer Vijay Singh is belong to which country? RO: Fiji
At which date "Pravasi Diwas" celebrated? RO: 9 jan
Jawahar lal Nehru award is given to which country presidence in 2006?
2012 olyampic will be held on which country? RO: London
Golden arches product belong which country?

Some more questions are given on current affairs, 5-6 questions are from english grammer (easy) , if u have the habit of reading newspaper then that questions will be easy. These are some questions from general awareness. (50 questions in this section).

Now coming to technical part, as I said that technical part was conceptual, so you should have good knowledge of Fluid Mechanics, Mass Transfer, Heat Transfer, CRE, Chemical Process Industries (CPI), Process Control .(question from these subject were in major part)

As my point of view there are many objective books available for chemical engineering, but O.P. Gupta & Ram Prashad is good books for all the PSU exams.

like many basic questions read every subject at least once so that u will be able to do questions there there is no need to go in deep but some questions require deep knowledge.