Prepp

Practice, Learn and Achieve
Your Goal with Prepp

IOCL Exam

Previous Paper

Simplifying
Government Exams

SSC CHSL | IAS EXAM | RRB NTPC | NTSE | CDS
SSC CGL | CBSE UGC NET | IBPS PO | NDA
SBI PO | IBPS CLERK | AFCAT | SSC JE | CTET
CSIR UGC NET | CAPF | IBPS RRB

www.prepp.in

QUESTION BOOKLET AND ANSWER KEY

FOR RECRUITMENT TEST OF

Production Manager (Kapurthala Plant)	**Code-C-13**
Production Manager (Khanna Plant)	**Code-C-16**

HELD ON 18 & 19 Feb. 2012

Latest Sarkari Jobs, Govt Exam Results, Vacancies and updates on one click
Know More

Latest Sarkari Jobs, Govt Exam Results, Vacancies and updates on one click
Know More

English Version

1. oft J ?

(A) (B) fett'ol' (c) (D) fe'M'oJde

2. tT^?T, ToTUT

(A) HHUoT (B) ^rlor (c)feiW (D) feHHS-

3. ^Trio(yry u?r ?

(A) en (B) nfe (C) (D)

4. J3- feftprf f^" ffTT :

(A) cjfdrf[1] (B) (C) (D)

5. fojjrf' HHH H"cr J:

(A) HH3 ; (B) (C) err? (D) 66<rfd

6. •TUB' Tof T^HHJoT ^*1'* 1

(A) Hyoid (B) (U) IHHd^

7. fcirtl Uol'd S' J S' U?T : (A)

(B) U[1]? (C) (D) U¥T

8. yav :

(A) ***K/*** Wff (B) ***t/*** (c) (D) >H^T

9. (A) 6TUt/§¥ (B) (C) ¥ (D)

10. ' UT **oft nrag-u-:**

(A) H^HT ora?rt (B) ^Tiora??-

(C) F[T]^^5'H[T]^?7' (D)

Directions (Q. 11- 14):- Choose the opposite of the given word:- Q. 11. Deferential:-

(A) gloomy (B) arrogant (C) respectful (D) different

Q.12. Corroborate :-

(A) deteriorate (B) contradict (C) accuse (D) slander

Q.13. Burgeon:-

(A) shrink (B) eclipse (C) explode (D) accelerate

Q.14. Arid:-

(A) fertile (B) silly (C) equivocal (D)dry

Latest Sarkari Jobs, Govt Exam Results, Vacancies and updates on one click Know More

Directions (Q.15-17) In these questions, sentences are given with blanks to be filled in with appropriate and suitable word(s). Four alternatives are given. Choose the correct alternative out of four and select your answer.

Q.15 Sachin is satisfied_____his performance.

(A) with (B) about (C) for (D) of

Q.16. Most of the deprived in India lead a miserable existence that has nothing to sing and dance_____.

(A) upon (B) within (C) about (D)under.

Q.17. Shivanand accused him____murder-

Directions (Q.18-20)In these questions, four alternatives are given for the underlined idiom/ phrase . Choose the alternative which best expresses the meaning of the underlined idiom/ phrase.

Q. **18. He <u>stirred up a hornet's nest</u> when he advocated the widow-remarriage.**

(A) thrilled the people (C) frightened the people (B) cautioned the people (D) excited the hostility of a large number of people

(A) with (B) about (C) of (D) for.

Q.19. She is <u>working against time</u>.

(A) feeling dejected (B) protesting against the times
(C) working haphazardly (D) working with utmost speed, **if**

20.1 threatened <u>to show him up</u> he did not mend his ways.

(A) to disclose his villainy
(C) to slander him
(B) to get him punished

21. **On which date Delhi was declared capital of India?**

A) Dec. 10,1911 B) Dec. 11, 1911 C) Dec. 12, 1911 D) Dec. 13, 1911

22. **What is the normal playing time of full version of our National Anthem?**

A) 2 minutes B) 52 Seconds C) 58 Seconds D) 50 Seconds

23. **The decimal currency system started in India from**

A) April 1957 B) April 1956 C) April 1958 D) April 1960

24. **India's First atomic power station was set up at**

A) Surat (Gujarat) B) Trombay (Maharashtra)
C) Sholapur (Maharashtra) D) Tarapur (Maharashtra)

25. **As a non-member who can participate in the proceedings of either House of Parliament?**

A) Vice-President B) Chief Justice C) Attorney-General D) None of these

26. **Partition of Bengal was undertaken with a view to**

A) Suppressing the revolt
B) Satisfying the Hindus and Muslims
C) meeting the demand of Muslims
D) Dividing the Hindus of West and East Bengal and increasing Hindu-Muslim tension

Latest Sarkari Jobs, Govt Exam Results, Vacancies and updates on one click
Know More

The Governor-General of India who initiated the introduction of English in India was
A) Lord Curzon B) Lord Macaulay C) Lord Bentinck D) Lord Dalhousie **Which of the following glands secretes tears?**

A) Lachrymal B) Pituitary C) Thyroid D) Pancreas

Flower colours are due to
A) Chlorophyll B) anthocyanins C) phytochromes D) melanin

Which gas leaked in Bhopal gas tragedy?
A) Carbon monoxide B) Methyle isocynate
C) Ethyle cynide D) Phenyl isocynate

The sky is blue in colour due to
A) refraction B) reflection C) diffraction D) dispersion

Who among the following is associated with the invention of computers?
A) Edison B) Babbage C) MacMillan D) Rangabhashyam

The ancient book that deals with paediatrics is
A) Kasyapa Samhita B) Atharveda
C) Charaka Samhita D) Susruta Samhita

Laser is an acronym for Light Amplification by
A) stimulated emission of Radio Waves B) stimulated emission of Radiation
C) spontaneous emission of Radio Waves D) spontaneous emission of Radiation **'A Half Nelson'**

is the term associated with which of the following sports?

A) Wrestling B) Bridge C) Golf D) Polo

Who was the first Chairman of SA ARC?
A) Mr. Ziaur Rehman B) Lt. Gen H.M. Ershad
C) King Birendra D) Mrs. Indira Gandhi

Why did Pakistan leave Common Wealth in 1971?
A) due to Russian interference in Afghanistan B) due to Indo-Pak war
C) due to recognition of Bangladesh D) none of these

The difference in the time per degree longitude between any two places on the globe is
A) 4 minutes B) 5 minutes C) 15 minutes D) 30 minutes

What is the approximate length of border that India shares with Paldstan? A) 2700 kms B) 3000 kms C) 3300 kms D) 3600 ***kms***

The historic 'Khidrane dee dhab' is now known as

Which of the following rational numbers has a terminating decimal expansion?

A) $\frac{1129}{2^2 7^5}$ B) $\frac{606}{105}$ D) $\frac{5}{512}$

A) Anandpur Sahib B) Fatehpur Sahib C) Mukatsar Sahib D) TaranTaran Sahib

Latest Sarkari Jobs, Govt Exam Results, Vacancies and updates on one click
Know More

The symbol TI, **used to compute area of the circle, has value**
A) more than 22/7 B) less than 22/7 C) 22/7 D)3.14

If HCF (306, 657) = 9, then LCM (306, 657) is equal to
A) 59131 B) 22338 C) 27545 D) none of these

The zeros of the polynomial p(x) =x^3 - 3x^2 + x + lare
A)1-V2,2 + A/2, 1 B)2-V2,2 + V2, 1
C) 1 - V2,1 + V2, 1 D) -V2 , V2, 1

The lines 2x + - 9 = 0 and 4x + 6j - 18 = **0 have**
A)Unique solution B)Finitely many solutions C)No solution D)Infinite solution **The values of p for which the equations** 4x + **pj +** 8 = **0 and 2x +** 2j + **2 =** 0 **have unique solution are**

A) 4, 5, 6 B) 3, 4, 5 C) any value except 4 D) no such value exist

Altitude of a right triangle is 7 cm less than its base. If the hypotenuse is 13 cm then other two sides are
A) 12, 5 B) -12, 5 C) 5,-12 D) none of these

Which of the following is an AP?
A) -1, 3, -5, 7,...
◎-2, 2,-2,2,-2,...

How many two-digit numbers are divisible by 3? A) 66 B) 65
C) 60 D) none of these

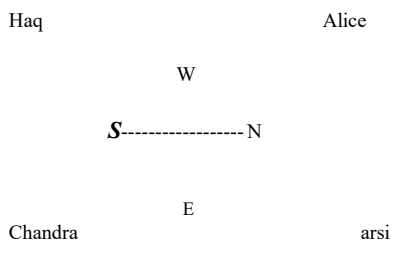
The Sup. {sin *x* + cos x} is equal to.
A)V2 B) 1 C)2 D)^

Name a single letter which when replaced by another letter in the following words form entirely new words. Express the answer as a fraction with the existing letter as its Numerator and the required letter as its Denominator
i) Basic ii) Black iii) Back iv) Brick v) Stick
A) W/C B) B/N C) C/N D)A/N

RESCUE is coded as 324152 and PUT is coded as 657, then what will be 623421572 stand for?
A) PROSECUTE B) PERSECUTE C) PERSUADE D) PROSTITUTE

Miss Alice, Mr. Banarsi, Miss Chandra and Mr. Huq are standing at the four corners of a square field given below. If Alice and Chandra exchange their places, Banarsi and Huq exchange their positions. After that they move along the sides in the clockwise direction and each other half the side. Which of the following statements is correct?

A) Alice is to the North-West of Banarsi
B) Banarsi is to the North-West of Chandra
C) Chandra is to the North of Alice
D) Alice is to the North of Chandra



Latest Sarkari Jobs, Govt Exam Results, Vacancies and updates on one click
Know More

54. 36 vehicles are parked in a parking lot in a single row. After the first car, there is one scooter. After the second car there are two scooters. After third car, there are 3 scooters and so on. Find the number of scooters in the second half of row.

A) 10 B) 12 C) 15 D) 17

55. Which one number can be replaced for sign of interrogation?

4 5 3

0 1 2 1 1 2 1 1 2

/ 876 3 0 3

2 - —<^ 560 y— 2 3 3

4 1 1 2 | 1 2 1 3

2 1 2

A) 689 B) 966 C) 869 D) 968

56. Find the odd one

A) day B) fortnight C) calendar D) month

57. Pointing to a photograph, a woman says, "This man's son's sister is my mother-in-law'. How is the woman's husband related to the man in the photograph?

A) grandson B) son C) son-in-law D)nephew

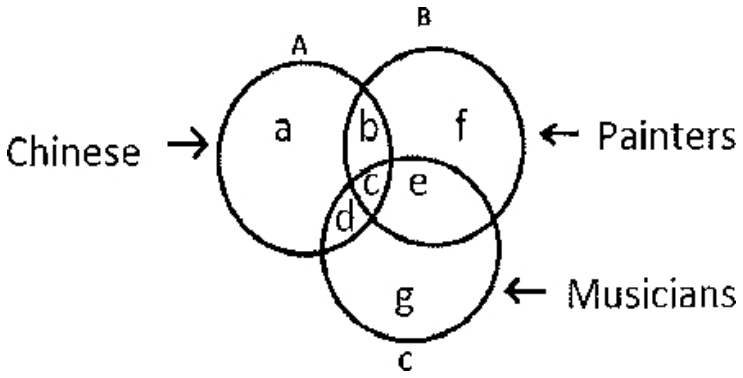
58. Study the following information to answer the question below

i) A, B, C, D, E, F and G are playing cards sitting around a circular table
ii) D is not neighbour of C or E
iii) A is neighbour B and C
iv) G who is second to the left of D, is the neighbour of E and F

Which of the following statements is wrong

A) A is to the immediate right of B B) B is to the immediate left of D
C) F is between G and D D) E is between G and C

59. In the following figure, three intersecting circles represent certain section of people. Different regions are marked from 'a' to 'g'



Find Chinese who are painters as well as musicians

A) a B)b C)c D)d

Latest Sarkari Jobs, Govt Exam Results, Vacancies and updates on one click
Know More

Ram is 15th from the front in a column of boys. There were thrice as many behind him as there were in front. How many boys are there between Ram and the 7th boy from the end of the column

A) 33 B) 34 C)35 D) none of these

Automobile engines are usually designed as multi-cylinder engine because of A) Economy reasons B) Higher efficiency
C) Better balance, unifbnn torque output D) Lower fuel consumption

Which of the following processes is not associated with diesel cycle

A) Constant volume B) Constant pressure C) Isothermal D) Adiabatic

In hydraulic system, the power used is

A) Mechanical B) Hydrostatic C) Electrical D) Frictional

In I.C. engines, the power developed inside the cylinder is called

A) Break horse power B) Indicated horse power
C) Pumping power D) None of these

A) Routine maintenance B) Preventive maintenance
C) Breakdown maintenance D) Planned maintenance

The petrol engine works on

A) Diesel cycle B) Brayton cycle C) Ericsson cycle D) Otto cycle

Which type of maintenance is most expensive

A one ton refrigerating machine means

A) One ton is the total weight of machine
B) One ton refrigerant is used
C) One ton of water can be converted into ice
D) One ton of ice when melts from 0°C in 24 hours, the refrigeration effect is equivalent to

The function of heat exchanger is A) To remove the moisture B) To lower down the head pressure
C) To increase the refrigerating effect D) To avoid short cycling

The T1 and T2 are the highest and lowest absolute temperatures encountered in a heat pump operating on the reversed Carnot cycle, then COP is equal to

A) 〒 B) 〒 C) $_7 T_r - T_2$ mi $)_{T1-T_2}$

Identify the ferrous material

A) Copper B) Tungsten C) Steel D)Tin

3000 Kcal/hour.

Which of the following operations can be performed on a lathe machine A) Drilling C) Chamfering D)A11 of the above

The economizer is used in boilers to

A) Increase thermal efficiency of boiler B) Economize on fuel
C) Increase flue gas temperature D) To heat feed water by bled steam

Rotary compressors are suitable for

A) Large discharge at high pressure B) Low discharge at high pressure
C) Low discharge at low pressure D) There is no such limitation

Latest Sarkari Jobs, Govt Exam Results, Vacancies and updates on one click
Know More

Mechanical efficiency of a gas turbine as compared to I.C. engine is
A) Higher B) Lower C) Same D) Unpredictable

The flow in which conditions do not change with time at any point is called
A) One dimensional flow B) Uniform flow D)
C) Steady flow Turbulent flow

The units of young's modulus is C) Raoult's law D) Charle's law
A) mm/mm B) Kg/cm C)Kg D) Kg/cm^2

Latent heat of saturated Steam:
A) Increase with the increase in pressure B) decrease with the increase in pressure
C) does not change with the pressure D) is not related to pressure

A universal joint is an example of A)
Higher pair B) Lower pair C) Rolling pair D) Sliding pair

In a machining operation, doubling the cutting speed reduces the tool life to 1/8 of the original value. The exponent n in Taylor
A) V_8 B) % c)V_3 D)%

Choose the brittle material
A) Mild steel B) Cast Iron C) Aluminum D) Copper

Hook's law is obeyed upto
A) Yield point B) Ultimate point
C) Breaking point D) Limit of proportionality

100 kmol of pure ethane is burned with 200 kmol of air. The percent excess air supplied is:
A) 40% B) 20% C) 60% D) insufficient data

An ideal liquid solution in equilibrium with an ideal vapour phase obey's A)
Amagat's law B) Dalton's law

For a system in equilibrium at a given temperature and pressure:
A) the entropy must be a minimum
B) the enthalpy must be a minimum
C) The internal energy must be a minimum
D) The Gibbs-Free energy must be a minimum

A polytropic process is described by:
A) PV constant B) PV^{Y}=constant
C) $PV^{nz=}$constant D)None of these

A partial molar property (J) in defined as

A) $\left(\frac{\partial J}{\partial n_i}\right)V,P,n_j$ B) $\left(\frac{\partial J}{\partial n_i}\right)T,P,n_j$ C) $\left(\frac{\partial J}{\partial n_i}\right)T,n_j$ D) $\left(\frac{\partial J}{\partial n_i}\right)V,n_j$

A closed loop system is stable when the gain margin is
A)>1 B)<1 C) = 1 D) = zero

Latest Sarkari Jobs, Govt Exam Results, Vacancies and updates on one click
Know More

When the damping coefficient is unity the system is:
A) Overdamped B) Critically damped C) Underdamped D) Highly fluctuating

The capital cost of a project is related to capacity by the equation $C_2 = Ci\ (S_2/Si)$" where C_2 is capital cost with capacity S_2 and Ci is capital cost with capacity Sj. For rough estimate of capital cost, the value of n is A) 0.8
B) 0.4 C) 0.6 D) 0.9

Heat transfer coefficient in convective heat transfer outside a tube
A)$aV^{0\,67}$ B) a 1/V C)$aV^{0,8}$ D) a $1/V^{0'8}$

The equation of a q line for a vapour feed at it's dew point is
A) $y=x_f$ B) y=x-Xf C) y=x+Xf D) None of these

In turbulent flow regime fanning friction factor is represented by

A positive displacement pump is
A) A constant pressure, variable capacity machine
B) A constant capacity, variable pressure machine
C) A constant capacity, constant pressure machine
D) A variable capacity, variable pressure machine

The conversion for second order, irreversible reaction (constant vol.), *A*—^*B* ,in batch mode is given by:

A) $\frac{}{1 + kC\_ _{Aot}}$ B) $\frac{{}^{k}C_{Aot}}{1 + kC_{Aot}}$ C) $\frac{(kC_{Aot})^2}{}$ TTIEJ D) $\frac{kC_{Aot}}{}$ dTTELF

A) 16/Re B) 32/Re C) 64/Re D) None of the above

$L/_{mG}$ ratio used in absorption columns for economical operation is: A) 1.0 to 1.5 times the minimum
B) 2.0 to 3.0 times the minimum
C) 3.0 to 4.0 times the minimum
D) 1.25 to 2.0 times the minimum

Pore diffusion resistance in a catalyst is considered negligible if, Thile modulus is A)> 1
B)< 1 C)< 0.5 D) > 0.5

The flow in a real packed bed can be approximated
A) Plug flow model
B) Mixed flow model
C) Dispersion model
D) Tanks-in-series model

The aerosols important in air pollution range from:
A) 0.01 jim to 100 pm
B) 100 |im to 1000 pm
C) 0.001(im to 0.01 pm
D) < 0.001 |im

For a cylindrical container the minimum surface area to enclose a given volume is obtained when length to diameter ratio is:
A) 1.0 B) 1.5 C) 2.0 D)3.0

Phase rule is defined as
A)P + F = C + 2
B)P-F = C-2
D)P-F = C + 2
C)P + F = C-2

Latest Sarkari Jobs, Govt Exam Results, Vacancies and updates on one click
Know More

Latest Sarkari Jobs, Govt Exam Results, Vacancies and updates on one click
Know More

KEY C-13/16

Q.No.	Ans	Q.No.	Ans	Q.No.	Ans	Q.No.	Ans
1	C	26	D	51	C	76	D
2	A	27	C	52	B	77	B
3	D	28	A	53	C	78	C
4	B	29	C	54	C	79	B
5	B	30	B	55	A	80	C
6	C	31	D	56	C	81	B
7	D	32	B	57	A	82	C
8	A	33	A	58	B	83	B
9	A	34	B	59	C	84	A
10	B	35	A	60	C	85	C
11	B	36	B	61	C	86	B
12	B	37	C	62	C	87	A
13	A	38	A	63	B	88	B
14	A	39	C	64	B	89	C
15	A	40	C	65	C	90	C
16	C	41	D	66	D	91	A
17	C	42	B	67	D	92	D
18	D	43	B	68	C	93	B
19	D	44	C	69	D	94	B
20	A	45	D	70	C	95	D
21	C	46	C	71	D	96	C
22	B	47	A	72	A	97	C
23	A	48	B	73	C	98	A
24	D	49	D	74	A	99	A
25	C	50	A	75	C	100	A

Latest Sarkari Jobs, Govt Exam Results, Vacancies and updates on one click
Know More

Prepp

Latest Sarkari jobs, Govt Exam alerts, Results and Vacancies

- Latest News and Notification
- Exam Paper Analysis
- Topic-wise weightage
- Previous Year Papers with Answer Key
- Preparation Strategy & Subject-wise Books

To know more **Click Here**

www.prepp.in