

Sample NHPC Placement Paper

GENERAL AWARENESS:

1. Which one of the following is the smallest continent?
a. Asia b. Africa c. Australia d. North America
2. Who secured 17,000 runs in one-day internationals?
a. Sachin b. Ricky Ponting c. None d. Bradman
3. Jnanpeeth award will be given in the field of ____?
a. Sculpture b. Paintings c. Dance d. Literature
4. In the period of 2007 which one of the following banks had provided a huge amount of money to India?
a. Asian Welfare Bank b. World Bank (PLEASE CHECK THE ANSWER)
5. Which one of the players is associated with lawn tennis?
a. Mahesh Bhupathi b. Pete Sampras c. _____ d. Both a & b
6. India is the largest exporter of _____?
a. Minerals b. Tea c. Engineering goods d. None
7. Begum Akhtar belongs to which one of the following fields?
a. Sitar b. Writer c. Dance d. MUSIC
8. Which one of the following is not matched correctly?
a. M.S. Subba Laxmi - Bharatanatyam
9. Indus Valley civilization near Pakistan is at ____
a. Harappa Mohenjo-Daro
10. The maximum gap between two parliament sessions is ____
a. 3 months b. 6 months c. 12 months d. 2 months
11. MAN SAN HAUN (some name like this is given I don't remember exactly) belongs to which country?
a. Philippines b. Thailand c. _____
12. Dialysis is the treatment for weak ____?
A. heart b. lungs c. kidney d. gall bladder
13. The largest oil company in India is ____
a. ONGC b. RIL c. IOCL
14. Which of the following is the largest planet?
a. Jupiter b. Saturn c. Venus d. Mars

REASONING:

1. Observe the following:
I. A means greater than
II. B means not equal to
III. C means equal to
IV. D means not greater than
V. E means not less than
VI. F means less than

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If (P B Q) and (P D Q)

Then

a.PAQ b.PEQ c.PCQ d.PFQ

2.If a person starts at appoint ,P, and turns right and walks 7Kms straight then again turns right and walks 3Kms and again turns right and walks 10Kms the person is at which direction from starting point?

A.South-west b. South-east c. west d. North-east

3. find the missing

10 12 14

20 22 24

30 ___ 34

(Five similar questions of above has given)

a.24 b. 22 c. 32 d. 24

5. find the missing

5, 7, 11, ___

(Five similar questions of above has given)

6.If in A,B,C,D,E,F,G,H,I,J,K,L,M,N,O,P,Q,R,S,T,U,V,W,X,Y,Z starting from B if alternative alphabets are small & remaining are capital letters then how can be SEARCHING can be represented as?

a.SeArCHinG b.SEaRchINg b. sEArChInG

7. If four people are sitting for a photo.Of them sita is right to geetha,and rani is left side to geetha and reeta is right side to sita then in the photo who will be second from left side?

A.Sita b. Reeta c. Rani D.Geetha

And some coding and decoding of words are give (around 6questions give)

ENGINEERING

1. Transmission line size is inversely proportional to _____

a. Current b. voltage c. power factor d. both b&c

2.the current is concentrated at the outer surface of the conductor it is called__

a.skin effect b.corona

3.bundled conductors used for_____

4.the inductance increases with _____

5.the scr circuit is connected by RL in series.if the delay time is to be increased then the following has to be done?

a.increase inductance b. decrease inductance c.increase resistance d. decrease resistance

6.scr will not ON at which conditions_____?

7.transposition of the transmission line is done to__

a.reduce skin effect b.reduce influence of communication line c.increasing efficiency d.to decrease losses

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8. the line used for traction purpose ___ (in terms of kv)
9. with reference to earth if the diameter of the conductor is increased the ___
a. capacitance increases b. inductance increases c. capacitance decreases d. no change
10. easily fastly responding memories ___
a. semi conducting memories b. magnetic tapes c. magnetic disks d. external memories.
11. the transformer oil is used for ___ ?
a. cooling b. isolation c. none
12. The sag of the line doesn't depend on the following factor ___
a. temperature b. ice effect c. current d. environmental changes.
13. IN 3-phase ∆-∆ connection transformer if one of the phase is disconnected the the voltage will be
A. $1/\sqrt{3}$ b. $2/\sqrt{3}$ c. $\sqrt{3}$ d. $1/3$
14. The synchronous machine at power stations used for ___
A. improving power factor
15. The instrument used for DC measurements is ___
a. PMMC b. induction type c. coil type
16. The instruments used for AC Measurements is _____
17. The bridge which have high value of Q-factor is _____ ?
18. Creeping of the scale in measuring instruments can be reduced by _____
19. The bridge used for measuring the unknown value of capacitance _____
20. When the range of the voltmeter is to be extended the value of resistance inserted will be ___
a. $(R_m - 1)$ b. $(R_m + 1)$ c. $R_m / 1$
21. In semi conductor the conduction is due to _____
A. electrons & holes b. positive ions & negative ions c. electrons d. holes
22. If the length of line increases the inductance _____
a. Increases b. decreases c. remains unchanged
23. Which of the following is the metal?
a. carbon b. sulphur c. arsenic d. copper
24. Which of the following has negative temperature coefficient?
a. Tungsten b. copper c. carbon
25. DMA stand for Direct memory access
26. In high frequency transformers _____ is used
A. Ferrites
27. transformer cannot change the following _
a. voltage b. current c. power d. frequency
28. If a generator with 250V, speed 1500rpm and shunt resistance of 10 amperes & armature current of 2.5 amperes is made to run as motor with 200V then the speed of the motor will be _____
29. If the induction machine made to run more than the synchronous speed the it is called Induction generator.