

DPR Past Questions for 2017 Aptitude Test:

You can practice with the following sample questions for the DPR Recruitment Aptitude test / examination;

1) When walking, a certain person takes 16 complete steps in 10 seconds. At this rate, how many complete steps does the person take in 72 seconds?

A. 45 B. 78 C. 86 D. 90 E. 115

2) In computer jargon, what do you understand by ROM?

- A. Read Only Memory
- B. Random Only Memory
- C. Real Output Memory
- D. Read Output Memory

3) A body is floating in seawater with $\frac{2}{3}$ of its volume above the surface. The weight of the displaced water is?

- A. Less than the weight of the body
- B. Equal to the weight of the body
- C. More than the weight of the body
- D. Not enough information provided.

Questions 4 – 9 refer to the following: A tank is a vertical cylinder with inside diameter of 6ft and a height of 15ft.

4) What is the volume of liquid in cubic feet if we fill the tank to one foot high?

- A. 28.27 ft³
- B. 18.8 ft³
- C. 113.1 ft³
- D. 424.1 ft³.

5) What is the total volume of the tank in cubic feet?

- A. 1686.5 ft³
- B. 442.5 ft³
- C. 424.1 ft³
- D. 847.5 ft³.

6) What is the volume of water in cubic ft in the tank if a measure stick indicates the water surface is 6 feet below the top of the tank?

- A. 170.2 ft³
- B. 254.4 ft³
- C. 1017.9 ft³
- D. 678.6 ft³.

7) What is the weight in pounds of the tank, as in the above case, if the tank itself weighs 20 lbs per ft of height?

- A. 63,424 lbs
- B. 42,241 lbs
- C. 16,151 lbs
- D. 10,605 lbs.

8) How much water in gallons would have to be removed to reduce the total weight of the tank plus water, as in the above case, by 20%?

- A. 388 gals
- B. 3,230 gals
- C. 2,121 gals
- D. 626 gals.

9) What would be the new level of the water, as measured from the top of the tank, if the water in the above case (equivalent of 20% of total weight) is removed?

- A. 10.4 ft
- B. 12.7 ft

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15) It never occurred _____ me to ask him for proof of his identity.

- A. for
- B. to
- C. on
- D. with

16) I object to being kept waiting. Why can't you be _____ time?

- A. on
- B. in
- C. of
- D. at

17) I was _____ the impression that I had paid you for the work you did for me.

- A. into
- B. over
- C. with
- D. under

18) Buying presents for children is sometimes very difficult. _____ the end I bought a kite for Tom.

- A. At
- B. On
- C. In
- D. By.

19) What are two safety precautions that should be taken before driving your car?

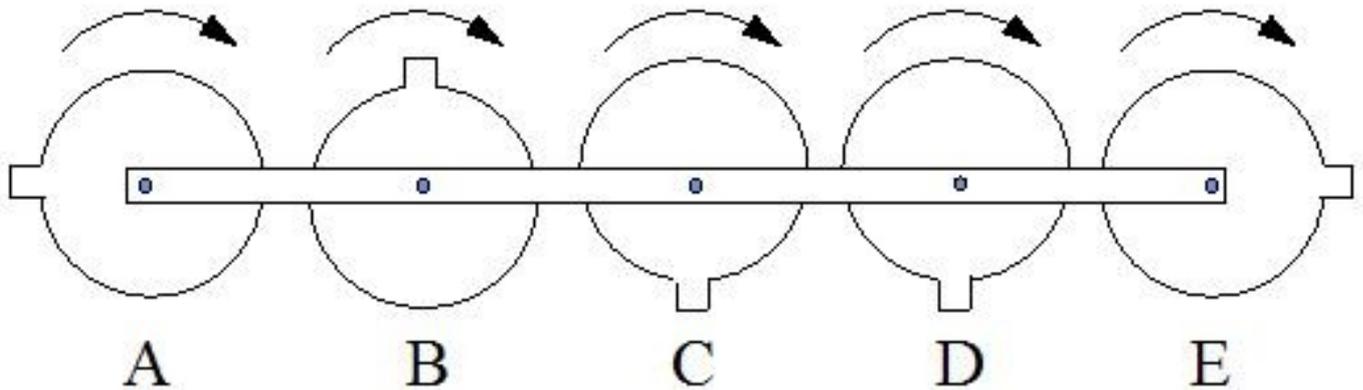
20) In computer jargon, what do you understand by CPU?

- A. Computer Processing Unit
- B. Computer Procedure Utility

C. Central Processing Unit

D. Central Power Unit

21) The five cogs are turning in the same direction and at the same speed. Which two will clash at a given moment?



(A.) A and B (B.) B and C (C.) C and D (D.) D and E

22) What is the equation for Ohm's law?

A. $V = IR$

B. $V = I/R$

C. $R = VI$

D. $I = VR$

23) In direct current $I = 3A$, $R = 4W$. Calculate V ;

A. 1.33 V

B. 6 V

C. 12 V

D. 24 V

24) What becomes V if we use 2 resistors of 4W in parallel?

A. 2.66 V

B. 6 V

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- C. 12 V
- D. 24 V

25) Which of the following pair of countries consist of the permanent security council of UN

- A. Brazil, Germany, France, USA, China
- B. France, China, USSR, USA, Britain
- C. France, Britain, Brazil, New Zealand
- D. France, Germany, Japan, China

26) In order to qualify for the post of President in Nigeria the person must be _____ and above

- A. 35 years
- B. 20 years
- C. 40 years
- D. 55 years

27) The name Nigeria coined out of _____

- A. Niger Forest
- B. Niger Area
- C. Niger River
- D. Niger Textures

28) The first Inspector General of the Police Force was

- A. Teslim Balogun
- B. Louis Edet
- C. Ademola Adetokunbo
- D. Mike Okiro

In the following question, a related pair of words or phrases is followed by five lettered pairs of words or phrases. Select the lettered pair that best expresses a relationship similar to that expressed in the original pair.

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29) COLOR : SPECTRUM

- A. tone : scale
- B. sound : waves
- C. verse : poem
- D. dimension : space

30) Choose the lettered word or phrase that is most nearly opposite in meaning to the word DIFFUSE:

- A. concentrate
- B. contend
- C. imply
- D pretend

For questions 31 to 37, select the correct answer:

31) I don't know_____.

- A. where is your pen
- B. where your pen is
- C. where your is pen
- D. where is the pen of yours

32. If you want to see him, _____.

- A. please let me to know
- B. let me to know please
- C. please let me know
- D. let me please to be known

33. _____, the little girl ran out of the yard.

- A. Being afraid of the dog
- B. The dog she is afraid of
- C. The dog has been afraid of
- D. Was being afraid of the dog

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34. The manager _____ here at 4 p.m.

- A. is supposing to arrive
- B. is supposed to arrive
- C. will suppose to arrive
- D. is supposed to be arrived

35. Due to the devaluation, many people have become rich, but many others _____.

- A. ruined
- B. have been ruined
- C. have ruined
- D. would have ruined

36. The man has been hospitalized since yesterday _____.

- A. because his serious wound
- B. because of his serious wound
- C. because of his seriously wound
- D. because his wound seriously

37. Your suggestion, _____, is beneficial to both the company and the employees.

- A. different than his
- B. as well as he
- C. as he is
- D. like his

In the sentence below, choose the word or set of words for each blank that best fits the meaning of the sentence as a whole.

38) Early _____ of hearing loss is _____ by the fact that the other senses are able to compensate for moderate amounts of loss, so that people frequently do not know that their hearing is imperfect.

- (A) discovery ... indicated

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- (B) development ... prevented
- (C) detection ... complicated
- (D) treatment ... facilitated

For questions 39 to 42, choose the correct tense for the verbs in brackets:

39) I usually go by train, but this weekend I am going by bus. It (take) longer but it costs less.

- A. take
- B. takes
- C. is taken
- D. will take

40) I (not think) your brother is enjoying the party. He keeps looking at his watch.

- A. doesn't think
- B. didn't think
- C. don't think
- D. am not thinking

41) The hall (be) painted at the moment, so it isn't looking its best.

- A. is being
- B. is
- C. is to be
- D. will be

42) At present I'm having my typewriter (repair).

- A. repairing
- B. repaired
- C. is repaired
- D. being repaired

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43) If $x = y - 9$, and $y - 4 = 10$, $x = ?$

- A. -5
- B. +5
- C. 1
- D. A and B

44) What is the force in pounds exerted upwards on a piston with a diameter of 4 inches if a gauge indicates the internal pressure in the cylinder is 1000 psi?

- A. 4000 lbs
- B. 250 lbs
- C. 50,266 lbs
- D. 12,566 lbs

45) What is the weight in kilograms of a string of pipe that is 11,500 ft long and weighs .33 pounds per inch?

- A. 1,725 kg
- B. 20,700 kg
- C. 45,540 kg
- D. 3795 kg

46) How much time in minutes will it take a car driving at 90 km/hr to travel 27 kilometers?

- A. 3.3 minutes
- B. 2430 minutes
- C. 18 minutes
- D. 0.3 minutes

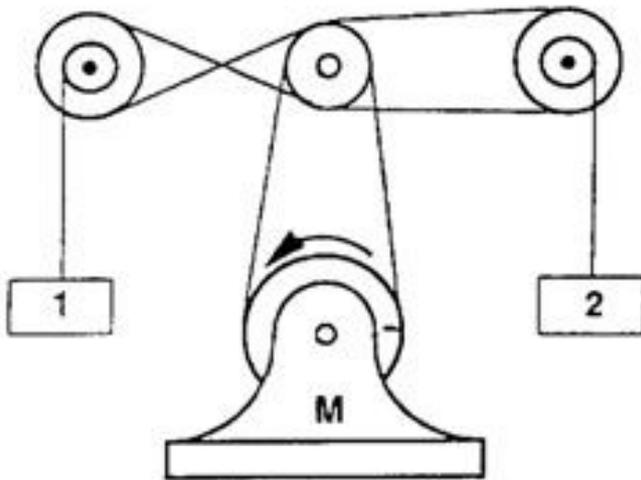
47) What is the total capacity in gallons of a rectangular tank 5 meters in height knowing that it will hold 200 liters per foot?

- A. 3281 gal
- B. 1000 gal

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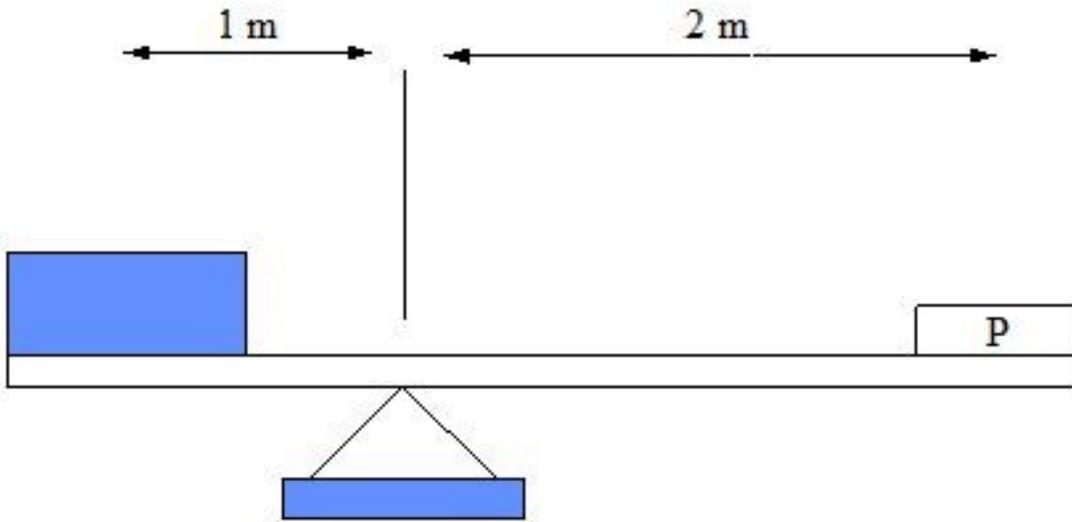
- C. 867 gal
- D. 8670 gal

48) If the motor M rotates in the direction shown by the arrow as illustrated in the diagram below, what is going on?



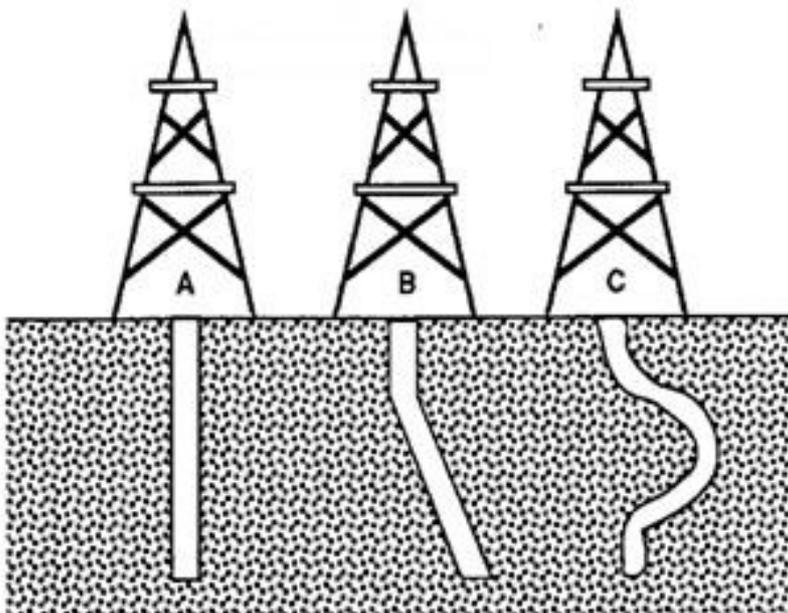
- A. 1 and 2 are going down
- B. 1 goes up and 2 goes down
- C. 1 and 2 are going up
- D. 1 goes down and 2 goes up

49) For the system in the diagram below to be in equilibrium, what is the mass of P in pounds? The mass at the other end of the beam is 5 kg.



- A. 5.5 lb
- B. 2.8 kg
- C. 10 kg
- D. none of these

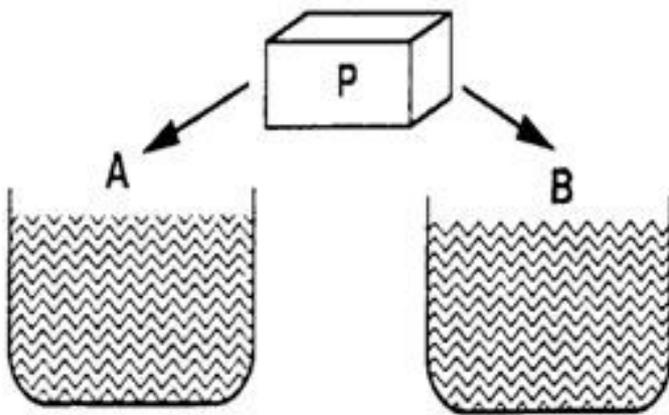
50) These 3 wells have been drilled with a mud of specific gravity of 1.25 gr/cm³. In which well A, B or C, will the highest hydrostatic bottom hole pressure be recorded ?



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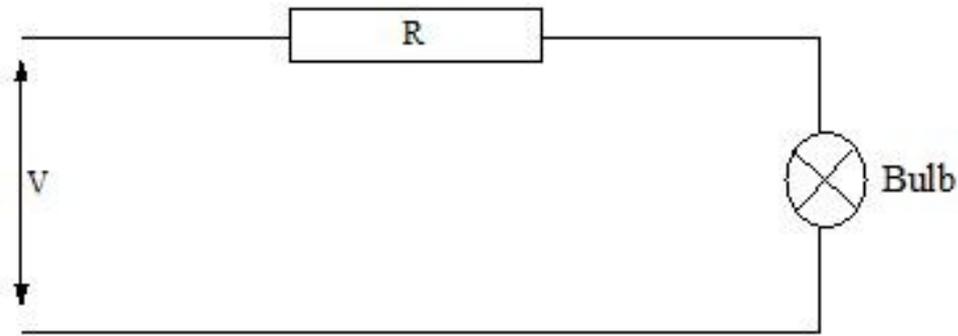
- A. Well A
- B. Well B
- C. Well C
- D. All three will have equal bottom hole pressure

51) If the density of A is greater than the density of B. What is going to happen ?



- A. If P floats in liquid A, it will also float in B.
- B. If P floats in liquid B, it may or may not float in A, depending on the density of P.
- C. If P sinks in B, it will sink in A also.
- D. None of the above answers are correct.

52) For the circuit shown below, if $V=380\text{VAC}$ and the bulb is rated at 170VAC , 5W , what is the resistance R that should be connected in series to the bulb?



- A. 6500 ohms
- B. 7000 ohms
- C. 7145 ohms
- D. 5780 ohms

53) If we increase the voltage across a DC motor, then the motor speed will?

- A. decrease
- B. increase
- C. stay same
- D. stop

54) What will be the output voltage of two 12V batteries connected in series?

- A. 12 V
- B. 6 V
- C. 24 V
- D. no voltage

55) What will be the output voltage of two 12V batteries connected in parallel?

- A. 12 V
- B. 6 V

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- C. 24 V
- D. no voltage

56) In computer jargon, what do you understand by RAM?

- A. Read Access Memory
- B. Random Access Memory
- C. Real Access Memory
- D. Random Acquired Memory.