Basic Knowledge Test 1 - Aptitude - PG Diploma Courses Sept 2021

Total Marks - 25

Number of question - 25

Time - 3:45 PM to 4:25 PM

anantgehi@gmail.com Switch accounts

*Required

Email *

Your email address

Name of student *

Your answer

Form No. *

Your answer

Course Name *

eg. PG-DAC, PG-DITISS, PG-DESD, PG-DBDA, PG-DAI.

- [ ] PG-DAC
- [ ] PG-DITISS
- [ ] PG-DESD
- [ ] PG-DBDA
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1. The average wage of a worker during a fortnight comprising 15 consecutive working days was Rs.90 per day. During the first 7 days, his average wage was Rs. 87/day and the average wage during the last 7 days was Rs.92/day. What was his wage on the 8th day?

1 point

- ○ A. 97
- ○ B. 92
- ○ C. 90
- ○ D. 83

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2. When a student weighing 45 kg left a class, the average weight of the remaining 59 students increased by 200g. What is the average weight of the remaining 59 students?

1 point

- ○ A. 57
- ○ B. 56.8
- ○ C. 58.2
- ○ D. 52.2

3. A dealer buys 11 kg of wheat at Rs. 25 per kg and mixes it with another quality of wheat in the ratio of 4:5. The price of the resulting mixture is Rs. 30 per kg. The price of the other quality of wheat is _____?   1 point

○ A. Rs. 24/kg

○ B. Rs. 26/kg

○ C.Rs. 34/kg

○ D.Rs. 18/kg

4. In an election a candidate who gets 84% of the votes is elected by a majority of 476 votes. What is the total number of votes polled?   1 point

○ A. 553

○ B. 334

○ C. 1000

○ D. 700

5. In an acoustics class, 120 students are male and 100 students are female.   1 point
25% of the male students and 20% of the female students are engineering students. 20% of the male engineering students and 25% of the female engineering students passed the final exam. What percentage of engineering students passed the exam?

○ A. 22%

○ B. 10%

○ C. 16%

○ D. 5%

6. The population of a town is 8000. It decreases annually at the rate of 20% p.A. What will be its population after 2 years?

1 point

○ A. 1600

○ B.6400

○ C.5120

○ D.3200

7. In a mixture of 60 litres, the ratio of milk and water is 2:1. If this ratio is to be 1:2, then the quantity of water to be further added is:

1 point

○ A. 60L

○ B. 30L

○ C. 20L

○ D. 40L

8. The ratio between the numbers of Eclairs and Mentos in a jar is 5:6; and that of Mentos and Chocostick is 9:11. If the total number of chocolates in the jar is 110, find the number of Eclairs.

1 point

○ A. 36

○ B. 45

○ C. 30

○ D. 44

9. 50 liters of diesel is required to travel 500 km using an 800 cc engine. If the volume of diesel required to cover a distance varies directly as the capacity of the engine, then how many liters of diesel is required to travel 800 km using 1000 cc engine? 1 point

- A. 80
- B. 100
- C. 90
- D. 110

10. A working alone can finish a job in 18 days and B alone can do it in 15 days. If A starts the work alone and is joined by B after 7 days, then the time taken by them to complete the work is 1 point

- A. 11 days
- B. 5 days
- C. 7 days
- D. None of these

11. Joey can do a piece of work in 20 days. He started the work and left after some days,when 25% work was done.After that, Chandler completed it working for 10 days.In how many days can Chandler and Joey complete the work,working together? 1 point

- A. 8
- B. 6
- C. 10
- D. 12

12. A cistern has a leak that can empty it in 8 hours. An inlet pipe with a capacity of 60 litres per hour is turned on. When the leak and the inlet tap are turned on, the cistern filled with water is emptied in 12 hours. What is the capacity of the cistern?

1 point

A. 720 litres

B. 360 litres

C. 1440 litres

D. 2880 litres

13. Penn takes 3 hours more than Teller, who drives his car 5kmph faster than Penn, to cover a distance of 180 km. What is the speed of Penn?

1 point

A. 8 kmph

B. 15 kmph

C. 10 kmph

D. 20 kmph

14. In a race of 100 m, Frodo beats Sam by 20 m or 5 sec. Find the time taken by Frodo to complete the race and speed of Sam.

1 point

A. 4 s, 20 m/s

B. 20 s, 25 m/s

C. 25 s, 20 m/s

D. 20 s, 4 m/s

15. A man can row upstream at 9 kmph and downstream at 14 kmph. The speed of the stream is: 1 point

○ A. 2.5 kmph

○ B. 5 kmph

○ C. 11.5 kmph

○ D. 4.2 kmph

16. Six friends are sitting in a circle and are facing the centre of the circle.   1 point
Deepa is between Prakash and Pankaj. Priti is between Mukesh and Lalit.
Pankaj is not sitting opposite to Mukesh.Who are the neighbours of

○ A. Prakash and Deepa

○ B. Deepa and Priti

○ C. Priti and Pankaj

○ D. Lalit and Priti

17. Bran said to Rickon, "That boy playing with the football is the younger of   1 point
the two brothers of the daughter of my father's wife." How is the boy
playing football related to Bran?

○ A.Brother-in-law

○ B. Son ✔

○ C. Cousin

○ D.Brother

18. Pointing a photograph Bilbo said to his friend Gandalf, "She is the only daughter of the father of my mother." How Bilbo is related to the person of photograph?

1 point

○ A.Nephew

○ B. Daughter

○ C.Son ✓

○ D. Cannot be decided

19. If South-East becomes North, North-East becomes West and so on. What will West become?

1 point

○ A.North-East

○ B.North-West

○ C. South-East ✓

○ D.South-West

20. A, B, C, D and E are sitting on a bench. A is sitting next to B, C is sitting next to D, D is not sitting with E who is on the left end of the bench. C is on the second position from the right. A is to the right of B and E. A and C are sitting together. In which position is A sitting?

1 point

○ A. Between B and D

○ B. Between B and C ✓

○ C. Between E and D

○ D. Between C and E

21. Four girls are sitting on a bench to be photographed. Selena is to the left 1 point
of Rihanna. Miley is to the right of Rihanna. Katy is between Rihanna and
Miley. Who would be second from the left in the photograph?

○ A. Rihanna ✓

○ B.Katy

○ C. Miley

○ D.Selena

22. The angle between the minute hand and the hour hand of a clock when 1 point
the time is 4:20, is:

○ A. 20

○ B. 22

○ C. 10 ✓

○ D. 21

23. What was the angle between the needles of the clock at 8:30 am this 1 point
morning?

○ A. 73

○ B. 74.5

○ C. 75.5

○ D. 75 ✓

24. Today is Tuesday. Before 55 days it was....

1 point

○ A. Monday

○ B. Friday

○ C.Wednesday

○ D. Saturday

25. Each one of five persons - A, B, C, D and E is of different height. B is taller than A and C. D is not as tall as E but is taller than A, who is not the shortest. Who is the shortest?

1 point

○ A. A

○ B. B

○ C. C

○ D. D

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