

GENERAL PAPER

Read the following instruction carefully.

1. Simplify $2 + \frac{41}{8} \times 1\frac{1}{4} - \frac{8}{11} + \frac{12}{11}$ (a) $6\frac{123}{416}$ (b) $5\frac{223}{416}$ (c) $4\frac{103}{416}$ (d) $2\frac{1}{128}$
2. If $122y = 1710$, find the value of y (a) 4 (b) 3 (c) 2 (d) 1
3. Solve the following equation: $(0.25)^{10+1} = 16$ (a) 2 (b) -1 (c) -2 (d) -3
4. At what rate will N9360 yield a simple interest of N75.50 in 9 months? Express your answer in 2 significant figures (a) 4.3 (b) 3. 2 (c) 2.1 (d) 1.6
5. ATB bank has shares 6 to sell to the general public of 50kobo per share. A man invested a total of N132,660 on the stock. How many shares did he buy? (a) 24120 (b) 13220 (c) 1101210 (d) 9140
6. Find the range of values of x for which $3x(x+5) > 0$ (a) $x > 5$ (b) $x < 5$ (c) $x > -5$ (d) $x > 0$

If the roots of $x^2 = 5x + k = 0$ are n and $n-1$, find the value of the constant k (a) 7 (b) 6 (c) -3 (d) -5
8. Factorise $x^2 - 2x^2 - 5x + 6$ (a) $(x+1)(x+2)(x+3)$ (b) $(x-1)(x-2)(x-3)$ (c) $(x-1)(x-2)(x+3)$ (d) $(x-1)(x+2)(x+3)$
9. A cup of beans cost P kobo. How many cups can be bought with q naira (a) $100q/p$ (b) q/p (c) p/q (d)
10. The mean of five numbers is 6 and mean deviation is 4. Find the fifth number if mean deviation of the first four numbers is 3 (a) 26 (b) 18 (c) 12 (d) 8
11. The number of goals scored by a school team in 10 handball matches is as follows: 3,5,7,8,8,11, 11,12. Find the probability that in match the school team will score at most 8 goals. (a) $7/10$ (b) $3/10$ (c) $2/8$ (c) $1/10$

12. Find the area of the curved surface of a cone whose base radius is 6cm and whose height is 8cm (take $\pi = \frac{22}{7}$) (a) 188.57cm^2 (b) 1320cm^2
(c) 188cm^2 (d) 188.08cm^2
13. An isosceles triangle of sides, 13cm and 10cm is inscribed in a circle. What is the radius of the circle? (a) 15cm (b) $7\frac{1}{2}$ (c) 8cm
- Solve the equation for all positive values of θ less than 360° , $3\tan \theta + 2 = 1$ (a) 135° or 315°
(b) 45° or 135° (c) 315° or 45° (d) 315° or 18°
15. 18 labourers did ditch 80cm long in 5days. How long it take 24 labourers to dig a ditch 64m long? (a) 8days (b) 5days (c) 3days
(d) 2days
16. If a mower 75cm wide cuts 8m^2 of grass in 12hours, how long will it take one, 100cm wide to cut 12cm^2 ? (a) 24hrs (b) 30hrs (c) 32hrs (d) 36hrs
17. Calculate the amount if N450 is invested for $1\frac{1}{2}$ years at 8% per annum (a) N540 (b) N514 (c) N396 (d) 54
18. A simple interest on a loan of N1000 is increased from 5% to $5\frac{1}{2}$ what would be the interest for a period of 3months? (a) N13.75 (b) N11.50
(c) N8.75 (d) N2.25
19. What must be subtracted from $x^3 + 2x + 5$ to make it exactly divisible by $(x-2)$ (a) 17
(b) 15 (c) 12 (d) 9
20. Which of the following is different from the others? (a) binomial distribution (b) frequency distribution (c) normal distribution (d) poisson distribution
21. Which of the following cannot exist without the element of sovereignty? (a) state
(b) government (c) nation (d) society
22. Which of the following is a function of the legislature? (a) budgeting
(b) appointment of top officials (c) amending the constitution (d) power of pardon
23. Parliamentary status constitute in a large measure (a) the preamble for most constitution
(b) the directive principle of most constitution
(c) the source of the Nigerian (d) a source of most constitution

24. A public corporation is (a) an organ of local government (b) statutory quasi-autonomous public body (c) a specialized private sector enterprise (d) synonymous with privatization of public bodies
25. The political institution of "Council of State" was for the first time created by (a) General Abdulallam Abubakar (b) General Murtala Mohammed (c) General Yakubu Gowon (d) General Mohammed Buhari
26. Which of the following was introduced by President Ibrahim Babangida's military government? (a) land use decree (b) operation feed the nation (c) war against indiscipline (WAI) (d) two party system
27. Which of the following countries was not a member of the Monrovia Bloc? (a) Liberia (b) Tunisia (c) Guinea (d) Nigeria
28. The first General Secretary of the O.A.U (a) Ide Omare (b) Ezo Ekangat (c) Diallo Telli (d) Edwin Kodjo
29. Regional self government was granted to Eastern Western regions in (a) 1956 (b) 1957 (c) 1958 (d) 1959
30. The name of the O.A.U was changed to the A.U on the (a) 9th of July 2002 (b) 10th of June 2001 (c) 9th of August, 2003 (d) 6th of May, 2000

*****Not Complete*****

ANSWERS

1. A	2. B	3. B	4. -	5. -
6. C	7. B	8. B	9. D	10. -
11. A	12. A	13. D	14. A	15. C
16. -	17. -	18. D	19. A	20. B
21. C	22. C	23. -	24. B	25. B
26. D	27. C	28. B	29. B	30. B

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