UNIVERSITY OF BAMENDA HIGHER INSTITUTE OF COMMERCE AND MANAGEMENT Competitive Entrance Examination Academic Year

2012/2013

PART TWO: MATHEMATICS (/30)

MULTPLE CHOICE QUESTIONS

1. Multiply 0.06 by 0.021				
A) 0.0126	B) 0.0000126	C) 0.00126	D) 0.126	E) None of these
2. Divide 4.2 by 0.07				
A) 1.33	B) 60	C) 6	D) 600	E) None of these
$3.9 - 3(2+6) \div 6-2x5$				
A) - 2	B) 35	C) 5	D) - 5	E) None of these
4. The decimal equivalent of $\frac{9}{40}$ is				
A) 4.44	B) 2.25	C) 0.225	D) 0.0225	E) None of these
5. Express 0.275 as a common fraction in lowest term:				
A) $\frac{11}{44}$	$B)\frac{11}{44}$	$C)\frac{22}{80}$	D) $\frac{11}{25}$	E) None of these
6. Express $\frac{2}{5}$ as a percent:				
A) 4%	B) 20%	C) 4%	D) 2%	E) None of these
7. 60% of \$10.60				
A) \$1.63	B) \$6.36	C) \$63.60	D) \$16.31	E) None of these
8. 24 is what percent of 40?				
A) 60%	B) 3.75%	C) 6%	D) 37.5%	E) None of these
9. 0.85 is 25% of what sum?				
A) 3.4	B) 34	C) 21.25	D) 2.125	E) None of these
10. 36 is what percent of 30?				
A) 83.3%	B) 90%	C) 120%	D) 72%	E) None of these
58				

11. 6 is 15% of what number? A) 90 B) 0.9 C) 2.5 D) 40 E) None of these 12. The population of Snow town was 4500 in 1990. In 1994, it had decreased to 3600. Find the percent decrease in population during those four years. A) 80% **B) 90%** C) 16.2% D)20% E) None of these 13. You receive a grade of 75% on a test of 60 questions. How many questions did you answered correctly? A) 45 **B)** 8 C) 12 D) 50 E) None of these 14. Sandra's monthly salary is \$3200. If a deduction for taxes from her monthly Pay check is \$800, what percent of her salary goes to these deductions? D) 4% A) 25% B) 25.6% C) 40% E) None of these 15. The cost of an article including 15% for taxes is \$138.00. What is the cost of the article without taxes? C) \$20.70 D) \$92.00 A) \$120.00 B) \$117.30 E) None of these 16. The average of the following group of numbers 43, 29, 51, 36, 33, 42, 32 is C) 38 D) 43 E) None of these A) 36 B) 33 17. Brian had marks of 80, 94, 70, 68, and 83 on five tests. His average score is between A) 65 and 70 B) 70 and 75 C) 75 and 80 D) 80 and 85 E) None of these 18.6.42 x 104 is equivalent to: A) 64,200 B) 642 C) 0.000642 D) 642,000 E) None of these $19.\frac{1}{4} + \frac{7}{10}$ A) $\frac{14}{18}$ B) $\frac{13}{22}$ C) 1.325 D) 1.575 E) None of these 20. $3\frac{1}{2} + 4\frac{3}{4} + \frac{3}{10}$ A) $12\frac{7}{16}$ B) $13\frac{11}{22}$ C) $\frac{16}{33}$ D) $12\frac{9}{80}$ E) None of these

59

21. $7\frac{1}{8} - 3\frac{1}{6} =$ A) $4\frac{1}{48}$ B) $4\frac{1}{2}$ C) $3\frac{23}{24}$ D) $3\frac{0}{2}$ E) None of these 22.7- $4\frac{2}{5}$ = A) $3\frac{1}{2}$ B) - $2\frac{3}{5}$ C) - $3\frac{3}{r}$ E) None of these $23.31.7 + 2.81 \div 0.254$ D) 40.764 E) None of these A) 35.264 B) 858 C) 14.52 24.Subtract 5.485 from 12 E) None of these A) -17.485 B) 17.485 C)-6.515 D) 6.515 25. Dividing by 10,000 is the same as multiplying by B) $\frac{1}{10000}$ C) $\frac{1}{1000}$ D) 0.001 E) None of these A) 0.01 26. Ginny baked a delicious apple pie. John ate $\frac{1}{4}$, of it The Aldo ate $\frac{1}{2}$ of what was left. How much pie was left after Aldo ate his piece? A) $\frac{1}{4}$ B) $\frac{1}{8}$ C) $\frac{1}{2}$ D) $\frac{3}{8}$ E) None of these 27. It takes a bus 3 hours to travel from Toronto to Parry Sound. If the bus average averages 88km/hr, how far is it to Toronto to Parry Sound? A) 286000 m B) 2.6 C) 27 km D) 286 cm E) None of these the missing term: $\frac{4}{7} = \frac{28}{2}$ 28. Find A) 49 **B**) 16 C) 56 D) 42 E) None of these 29. If $\frac{a}{10} = 0.57$, a equal to B) .057 C) $5\frac{7}{10}$ D) 0.057 E) None of these A) 57 30. Express the following product in lowest terms: $3\frac{1}{4} \times \frac{1}{7} \times 8$ A) $3\frac{3}{7}$ B) $\frac{24}{28}$ C) $5\frac{13}{7}$ D) $\frac{6}{7}$ E) None of these