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O.M.R. Serial No.

प्रश्नपुस्तिका क्रमांक Question Booklet No.

प्रश्नपुस्तिका सीरीज Question Booklet Series **B**

B.Com. (Honors) (First Semester) Examination, February/March-2022 BCHO-102

Financial Mathematics

(for Regular, B.P. & Ex Studends)

Time: 1:30 Hours Maximum Marks-100

जब तक कहा न जाय, इस प्रश्नपुस्तिका को न खोलें

निर्देश : –

- 1. परीक्षार्थी अपने अनुक्रमांक, विषय एवं प्रश्नपुस्तिका की सीरीज का विवरण यथास्थान सही— सही भरें, अन्यथा मूल्यांकन में किसी भी प्रकार की विसंगति की दशा में उसकी जिम्मेदारी स्वयं परीक्षार्थी की होगी।
- 2. इस प्रश्नपुस्तिका में 100 प्रश्न हैं, जिनमें से केवल 75 प्रश्नों के उत्तर परीक्षार्थियों द्वारा दिये जाने है। प्रत्येक प्रश्न के चार वैकल्पिक उत्तर प्रश्न के नीचे दिये गये हैं। इन चारों में से केवल एक ही उत्तर सही है। जिस उत्तर को आप सही या सबसे उचित समझते हैं, अपने उत्तर पत्रक (O.M.R. ANSWER SHEET)में उसके अक्षर वाले वृत्त को काले या नीले बाल प्वांइट पेन से पूरा भर दें। यदि किसी परीक्षार्थी द्वारा निर्धारित प्रश्नों से अधिक प्रश्नों के उत्तर दिये जाते हैं तो उसके द्वारा हल किये गये प्रथमतः यथा निर्दिष्ट प्रश्नोत्तरों का ही मूल्यांकन किया जायेगा।

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- 3. प्रत्येक प्रश्न के अंक समान हैं। आप के जितने उत्तर सही होंगे, उन्हीं के अनुसार अंक प्रदान किये जायेंगे।
- 4. सभी उत्तर केवल ओ०एम०आर० उत्तर पत्रक (O.M.R. ANSWER SHEET) पर ही दिये जाने हैं। उत्तर पत्रक में निर्धारित स्थान के अलावा अन्यत्र कहीं पर दिया गया उत्तर मान्य नहीं होगा।
- 5. ओ॰एम॰आर॰ उत्तर पत्रक (O.M.R. ANSWER SHEET) पर कुछ भी लिखने से पूर्व उसमें दिये गये सभी अनुदेशों को सावधानीपूर्वक पढ़ लिया जाय।
- 6. परीक्षा समाप्ति के उपरान्त परीक्षार्थी कक्ष निरीक्षक को अपनी प्रश्नपुस्तिका बुकलेट एवं ओ०एम०आर० शीट पृथक-पृथक उपलब्ध कराने के बाद ही परीक्षा कक्ष से प्रस्थान करें।
- 7. निगेटिव मार्किंग नहीं है।

महत्वपूर्ण : — प्रश्नपुस्तिका खोलने पर प्रथमतः जॉच कर देख लें कि प्रश्नपुस्तिका के सभी पृष्ठ भलीभाँति छपे हुए हैं। यदि प्रश्नपुस्तिका में कोई कमी हो, तो कक्ष निरीक्षक को दिखाकर उसी सीरीज की दूसरी प्रश्नपुस्तिका प्राप्त कर लें।

Rough Work / रफ कार्य

1.	FVIF stands for:
	(A) Future Value Interest Factor
	(B) Facture Value Income Factor
	(C) Firm Value Interest Factor
	(D) None of these
2.	A sum of money doubles itself in 10 years. The number of years it would triple
	itself is:
	(A) 25 years
	(B) 15 years
	(C) 20 years
	(D) None of these
3.	The C.I on ₹16000 for 1 ½ years at 10% p.a payable half-yearly is:
	(A) ₹ 2,222
	(B) ₹ 2,522
	(C) ₹2,500
	(D) ₹ 8,522
4.	The difference between the S.I and the C.I ₹24,00 for 2 years at 5% p. a is:
	(A) ₹5
	(B) ₹10
	(C) ₹ 16
	(D) ₹6
5.	Interest rate is also known as:
	(A) Nominal rate
	(B) Present rate
	(C) Base rate
	(D) Coupon rate

6.	YTM stands for
	(A) Year to months
	(B) Yield to maturity
	(C) Yield to money
	(D) None of these
7.	Book value of shares can be calculated by
	(A) Net Assets ÷ No. of existing equity shares
	(B) Paid-up equity capital plus reserves & surplus ÷ No. of existing equity shares
	(C) Both (A) & (B)
	(D) Neither (A) nor (B)
8.	XYZ ltd. Is expected to grow at a rate of 13.6% per annum and dividend expected a
	year hence is ₹10. If the rate of return is 24%. What is the price of the share today?
	(A) ₹90
	(B) ₹ 100
	(C) ₹ 99 approx
	(D) ₹ 96 approx
9.	Anik ltd. has 16% debenture bond outstanding; the bond matures in 20 years period.
	The bond is callable in 10 years at 116. It currently sells for ₹125. Calculate current
	yield of bond.
	(A) 12.8%
	(B) 10%
	(C) 15.2%
	(D) 11.8%

10.	For what purpose sinking fund can be used
	(A) For replacement of assets
	(B) For repayment of liabilities
	(C) For redemption of bonds
	(D) All of these
11.	An annuity which is payable after a lapse of a number of intervals of time, is known
	as
	(A) Annuity contingent
	(B) Deferred annuity
	(C) Annuity due
	(D) Annuity certain
12.	How can the value of true discount be calculated in case of simple interest?
	(A) True discount = $AxRxT/(100+RT)$
	(B) True discount = RxT/amount
	(C) True discount = 100 + interest/principal
	(D) True discount = principle + interest
13.	What will be the present value of annuity due of ₹4000 for 8 years @ 11% p. a rate
	of interest?
	(A) ₹25,848
	(B) ₹ 24,000
	(C) ₹ 22,848
	(D) ₹23,848

14.	Discount is given on:
	(A) List price
	(B) Selling price
	(C) Cost price
	(D) None of these
15.	By selling an item of ₹660 at ₹600. The rate of discount is:
	(A) 10%
	(B) 11%
	(C) 9.09%
	(D) 8.25%
16.	Discount @ 10%+10% on an article sold for ₹100 is equivalent to:
	(A) ₹ 20
	(B) ₹10
	(C) ₹19
	(D) ₹15
17.	The higher the future value (FV) of the payment, the higher will be the?
	(A) Discount rate
	(B) Liquidity
	(C) Present value
	(D) Cost of borrowing
18.	Present value of a single amount is simply termed as current value of?
	(A) Present payment
	(B) Future payment
	(C) Annuity payment
	(D) Discount payment

19.	What does net present value give?
	(A) Future values of present cash flows
	(B) Present values of present cash flows
	(C) Present values of Future cash flows
	(D) Future values of Future cash flows
20.	What is the present value of ₹8,000 to be paid at the end of three years if interest
	rate is 11%?
	(A) ₹ 5,850
	(B) ₹4,872
	(C) ₹ 6,725
	(D) None of these
21.	Interest paid (earned) on only the original principal borrowed (lent) is often referred
	to as?
	(A) Compound interest
	(B) Present value
	(C) Future value
	(D) Simple interest
22.	Nominal Interest Rate is also known as?
	(A) Annual percentage rate
	(B) Effective interest rate
	(C) Periodic interest rate
	(D) Coupon rate
23.	What will be the value of 'n' if the interest is compounded monthly?
	(A) 2
	(B) 4
	(C) 10
	(D) 12

- 24. A decrease in the supply for loanable funds, holding demand constant, will cause interest rates to?
 - (A) Increase
 - (B) Decrease
 - (C) Stays the same
 - (D) None of these
- 25. The value of money results from?
 - (A) Its backing
 - (B) Rates set by the state bank
 - (C) Its purchasing power
 - (D) None of the above
- 26. How can we calculate the amount of certain annuity due?
 - (A) $A = \frac{a(1+i)^n}{i} \{1+i\}$
 - (B) $A = \frac{a(1+i)}{i} \{1+i\}^n 1$
 - (C) $A = \frac{a}{(1+i)^n}$
 - (D) None of these
- 27. Present value of perpetuity can be calculated by.......
 - (A) $P = \frac{a}{i}$
 - (B) $P = \frac{a(i-1)}{a}$
 - (C) $P = a (1 + i)^n$
 - (D) None of these

28.	What is present value of a machinery worth ₹13,310 due after 3 years at 10% p. a
	compounded annually?
	(A) ₹ 12,100
	(B) ₹11,000
	(C) ₹ 10,000
	(D) ₹ 9,000
29.	A company has borrowed ₹1,000 to be paid in 12 monthly installments of ₹94.56.
	Compute the annual Interest.
	(A) 24%
	(B) 18%
	(C) 12%
	(D) 2%
30.	The date at which a borrower is to repay a loan or to redeem a bond is known as
	(A) Issue date
	(B) Maturity date
	(C) Either A or B
	(D) None of these
31.	Base rate comprises of?
	(A) Pure rate + default risk premium
	(B) Pure rate + risk premium
	(C) Pure rate + expected inflation rate
	(D) Expected inflation rate + risk premium

interest? (A) 262/3% (B) 30% (C) 271/2% (D) 40% 33. What sum of money will produce Rs.70 as simple interest in 4 years at 3 percent? (A) ₹ 525 (B) ₹ 500 (C) ₹ 550 (D) ₹ 555		
 (A) 262/3% (B) 30% (C) 271/2% (D) 40% 33. What sum of money will produce Rs.70 as simple interest in 4 years at 3 percent? (A) ₹ 525 (B) ₹ 500 (C) ₹ 550 (D) ₹ 555 34. At the rate 6% per annum simple interest after a months the amount due is ₹ 20,5 Find its present value. (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount - True discount (B) Banker's discount = Banker's gain - True discount (C) True discount = Banker's gain - Banker's discount 	32.	If Re. 1amounts to Rs. 9 over a period of 20 years. What is the rate of simple
 (B) 30% (C) 271/2% (D) 40% 33. What sum of money will produce Rs.70 as simple interest in 4 years at 3 percent? (A) ₹ 525 (B) ₹ 500 (C) ₹ 550 (D) ₹ 555 34. At the rate 6% per annum simple interest after a months the amount due is ₹ 20,9 Find its present value. (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount 		interest?
 (C) 271/2% (D) 40% 33. What sum of money will produce Rs.70 as simple interest in 4 years at 3 percent? (A) ₹ 525 (B) ₹ 500 (C) ₹ 550 (D) ₹ 555 34. At the rate 6% per annum simple interest after a months the amount due is ₹ 20,5 Find its present value. (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount 		(A) 262/3%
 (D) 40% 33. What sum of money will produce Rs.70 as simple interest in 4 years at 3 percent? (A) ₹ 525 (B) ₹ 500 (C) ₹ 550 (D) ₹ 555 34. At the rate 6% per annum simple interest after a months the amount due is ₹ 20,9 Find its present value. (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount 		(B) 30%
33. What sum of money will produce Rs.70 as simple interest in 4 years at 3 percent? (A) ₹ 525 (B) ₹ 500 (C) ₹ 550 (D) ₹ 555 34. At the rate 6% per annum simple interest after a months the amount due is ₹ 20,9 Find its present value. (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount		(C) 271/2%
percent? (A) ₹ 525 (B) ₹ 500 (C) ₹ 550 (D) ₹ 555 34. At the rate 6% per annum simple interest after a months the amount due is ₹ 20,9 Find its present value. (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount		(D) 40%
 (A) ₹ 525 (B) ₹ 500 (C) ₹ 550 (D) ₹ 555 34. At the rate 6% per annum simple interest after a months the amount due is ₹ 20,9 Find its present value. (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount 	33.	What sum of money will produce Rs.70 as simple interest in 4 years at 31/2
(B) ₹ 500 (C) ₹ 550 (D) ₹ 555 34. At the rate 6% per annum simple interest after a months the amount due is ₹ 20,9 Find its present value. (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount		percent?
 (C) ₹ 550 (D) ₹ 555 34. At the rate 6% per annum simple interest after a months the amount due is ₹ 20,9 Find its present value. (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount - True discount (B) Banker's discount = Banker's gain - True discount (C) True discount = Banker's discount 		(A) ₹ 525
 (D) ₹ 555 34. At the rate 6% per annum simple interest after a months the amount due is ₹ 20,9 Find its present value. (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount - True discount (B) Banker's discount = Banker's gain - True discount (C) True discount = Banker's discount 		(B) ₹ 500
34. At the rate 6% per annum simple interest after a months the amount due is ₹ 20,9 Find its present value. (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount		(C) ₹ 550
Find its present value. (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount		(D) ₹ 555
 (A) ₹20,000 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount 	34.	At the rate 6% per annum simple interest after a months the amount due is ₹ 20,900.
 (B) ₹ 18,000 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount - True discount (B) Banker's discount = Banker's gain - True discount (C) True discount = Banker's gain - Banker's discount 		Find its present value.
 (C) ₹ 20,100 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount 		(A) ₹20,000
 (D) ₹19,500 35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount 		(B) ₹ 18,000
35. Choose the correct option. (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount		(C) ₹ 20,100
 (A) Banker's gain = Banker's discount – True discount (B) Banker's discount = Banker's gain – True discount (C) True discount = Banker's gain – Banker's discount 		(D) ₹19,500
(B) Banker's discount = Banker's gain – True discount(C) True discount = Banker's gain – Banker's discount	35.	Choose the correct option.
(C) True discount = Banker's gain – Banker's discount		(A) Banker's gain = Banker's discount – True discount
(D) All of these		
		(D) All of these

- 36. Discount percentage cab be calculated by:
 - (A) Discount $\% = \frac{discount}{Selling Price} \times 100$
 - (B) Discount $\% = \frac{discount}{100} \times Selling Price$
 - (C) Discount $\% = \frac{gain}{Selling\ Price} \times 100$
 - (D) Discount $\% = \frac{discount}{Merket\ Price} \times 100$
- 37. An asset worth ₹15,000depreciates at a rate of 10% p.a what will be its value after 3 years if diminishing rate is applied?
 - (A) ₹ 12,150
 - (B) ₹ 10,935
 - (C) ₹ 10,500
 - (D) ₹ 12,000
- 38. From the following particulars, calculate the profit/loss on the transactions:

Listed Price = ₹25000

Trade discount = 20%

Cost Price = ₹18,000

- (A) Loss = 2,000
- (B) Profit = ₹2,000
- (C) Loss = \$6,000
- (D) Profit = ₹7,000
- 39. Calculate the value of money paid by the customer:

Listed = ₹50,000

Trade discount = ₹20%

Cash discount = 15%

- (A) ₹ 32,500
- (B) ₹30,000
- (C) ₹40,000
- (D) ₹ 34,000

40.	Cash discount is given to
	(A) Everyone
	(B) To a limited customer
	(C) Customer who pay the dues in a specified time
	(D) None of the above
41.	Profit can be calculated on:
	(A) Cost price
	(B) Selling price
	(C) Both (A) or (B)
	(D) Neither (A) nor (B)
42.	YTC stands for
	(A) Yield to call
	(B) Yield to coupon
	(C) Yield to compound
	(D) None of these
43.	Which of the following equation is correct?
	(A) $FV_n = PV(1+r)$
	(B) $FV_n = PVx [1 \div (1+r)]$
	(C) $FV_n = PV (1+r) n$
	(D) None of these
44.	Time value of money is associated with:
	(A) Risk
	(B) Inflation
	(C) Reinvestment opportunities
	(D) All of the above
45.	In how many years will amount gets doubled at rate of 8% p.a, using rule 72
	(A) 10 years
	(B) 9 years
	(C) 8 years
4.6	(D) 7 years
46.	Current yield can be calculated by
	(A) (Interest rate/current market) ×100
	(B) (Current market/Interest rate) ×100

(C) (Interest rate/issue price) ×100

(D) (Inflation rate/current market) $\times 100$

47.	What is the value of log10?
	(A) 0
	(B) 1
	(C) Infinite
	(D) 10
48.	What is the value of $(1.08)^5$?
	(A) 1.469
	(B) 1.35
	(C) 2
	(D) 1.1
49.	If the compounding is done quarterly, the value of rate will be:
	(A) Will be multiplied by 4
	(B) Added by 4
	(C) Subtracted by 4
	(D) Divided by 4
50.	Relationship between S.I and C.I for one year is:
	(A) $S.I > C.I$
	(B) $S.I < C.I$
	(C) $S.I = C.I$
	(D) Insignificant value
51.	What will be the sum if Simple Interest is \mathbb{Z} x at x% for x years?
	(A) $(100/X)$
	(B) $(100X)$
	(C) $(100/X^2)$
	(D) (X)
52.	If S.I and C.I denote Simple Interest and Compound Interest respectively on the same sum at the same rate of interest for the same period. What is the relation between S.I and C.I? (A) C. $I > S.I$ (B) C. $I \ge S.I$ (C) C. $I = S.I$
	(D) C. $I \leq S$. I

53. Principal + Interest = ? (A) Amount (B) Simple Interest (C) Profit (D) Rate 54. The basic difference between Simple Interest and Compound interest is that in Simple Interest the remains the same throughout the loan period while in Compound Interest it varies. (A) Amount (B) Principal (C) Rate (D) Interest 55. What is the formula of Compound Interest? (A) C. $I = P \times R \times T/100$ (B) C. $I = 100/P \times R \times T$ (C) C. I = Original Amount – Final Amount (D) C. I = Final Amount – Original Amount 56. What is the Amount when Interest is Compounded Half-yearly? (A) $[Px\{(1+R)/2\times100\}^{2n}]$ (B) $[Px\{1+(Rx100/2)\}^{2n}]$ (C) $[Px\{1+(R/2\times100)\}^{2n}]$

(D) $[P2x\{1+(R/2\times100)\}^{2n}]$

57.	The simple interest on a sum of money is $1/19^{th}$ of the principled and the number of
	years is equal to the rate per cent rate per annum. Find the rate per cent?
	(A) 3 %
	(B) 5 %
	(C) 7 %
	(D) 9 %
58.	The value of mobile phone which was purchased 2 years ago depreciates at 12%
	p.a If its present value is ₹9680, for how much was it purchased?
	(A) ₹ 12000
	(B) ₹11500
	(C) ₹ 12500
	(D) ₹10000
59.	Calculate the amount on ₹4480 at 8% per annum for 3 years simple interest.
	(A) ₹ 5842.90
	(B) ₹ 5600
	(C) ₹ 6000
	(D) ₹ 5555.20
60.	The difference in simple interest at 13% and 12% p.a. of a sum in one year is ₹ 110.
	Then the sum is.
	(A) ₹ 13000
	(B) ₹ 10000
	(C) ₹ 15000
	(D) ₹11000
61.	In what time will ₹1000 amount to ₹ 1331 at 10% per annum, compounded
	annually?
	(A) 3 years
	(B) 2/3 years
	(C) $1^{1/2}$ years
	(D) ½ years
	D CTT 2 100/140

62.	The simple interest on a certain sum of money for 4 years at 4 percent per annum
	exceeds the compound interest on the same sum for 3 years at 5 percent per annum
	by ₹57. Find the sum.
	(A) ₹ 24000
	(B) ₹ 12500
	(C) ₹23050
	(D) ₹ 26700
63.	The difference in the interests received form two different banks on ₹1000 for 2
	years is ₹ 20. Thus, the difference in their rates is:
	(A) 0.5%
	(B) 1.5%
	(C) 1%
	(D) 2%
64.	Find out the capital required to earn a monthly interest of ₹600 at 6% simple
	interest.
	(A) ₹ 110000
	(B) ₹ 120000
	(C) ₹ 130000
	(D) ₹ 100000
65.	are long-term debt instruments.
	(A) Equity
	(B) Bonds
	(C) Reserves
	(D) None of these

66.	Intrinsic value is also known as
	(A) Economic value
	(B) Present value
	(C) Future value
	(D) None of these
67.	is a process of going from today's value to the future value:
	(A) Discounting
	(B) Effective rate
	(C) Compounding
	(D) All of these
68.	Two major components of interest rate are:
	(A) Pure Interest Rate + Risk Premium
	(B) Pure Interest Rate + Inflation Rate
	(C) Risk Premium + Inflation Rate
	(D) Base Rate + Risk Premium
69.	Which of the following is not a type of risk premium for the purpose of calculation
	of interest rate?
	(A) Default risk premium
	(B) Liquidity risk premium
	(C) Credit risk premium
	(D) Maturity risk premium
70.	If the borrower would not pay the entire obligation consisting of principal and
	interest.
	(A) Liquidity Risk premium
	(B) Default Risk premium
	(C) Maturity Risk Premium
	(D) None of these.

71.	When no interest is paid during the life time of a bond, it is called
	(A) Zero coupon bonds
	(B) Debentures
	(C) Shares
	(D) Gilt-edged bond
72.	The person who lends the money is called
	(A) Creditor
	(B) Debtor
	(C) Shareholder
	(D) Either (A) or (B)
73.	The equivalent single discount for two successive discounts of 15% and 10% is:
	(A) 20.5%
	(B) 23.5%
	(C) 25%
	(D) 20%
74.	The effective rate of interest will always be the nominal rate?
	(A) Greater than
	(B) Equal to
	(C) Less than
	(D) All of before
75.	In Rule 69, we divide 69 by "n" and add what amount?
	(A) 12
	(B) 0.35
	(C) 0.50
	(D) 0.12

76.	If a saving plan offers a nominal rate of 8% compounding quarterly on a 1-year
	investment, what will be the "EIR"?
	(A) 8.24%
	(B) 6.53%
	(C) 8%
	(D) 9%
77.	More frequent compounding results in future values and present
	values than less frequent compounding at the same interest rate?
	(A) Higher, higher
	(B) Lower, higher
	(C) Higher, Lower
	(D) Lower, Lower
78.	What stream of cash flows continue indefinitely?
	(A) Perpetuity
	(B) Annuity
	(C) Futurity
	(D) None of the above
79.	The interest rate used in the present value calculation is often referred to as?
	(A) Discount rate
	(B) Inflation rate
	(C) Nominal rate
	(D) None of the above
80.	In 2 years you are receive ₹10,000. If the interest rate were to suddenly decrease,
	the present value of that future amount to you would?
	(A) The correct answer cannot be determined without more information.
	(B) Rise
	(C) Fall
	(D) Remains unchanged

81.	Which of the following is not true regarding an annuity due?
	(A) It is a series of equal cash flows
	(B) It is also known as deferred annuity
	(C) Cash flows occurs for a specific time period
	(D) Payment are made at the start of each period
82.	At issue, coupon bonds typically sell?
	(A) Above par value
	(B) Below par value
	(C) At or near par value
	(D) At a value unrelated to par
83.	The is used to calculate the present value of a bond?
	(A) Nominal yield
	(B) Current yield
	(C) Yield to call
	(D) Yield to maturity
84.	Pension fund and insurance obligation is an example of?
	(A) Annuities
	(B) Perpetuity
	(C) Consol
	(D) Securities
85.	You are getting payments of Rs. 8,000 at the beginning of every year and they ar
	for five years at 6% p.a, what is the value of this annuity?
	(A) ₹34,720
	(B) ₹39,320
	(C) ₹35,720
	(D) None

86.	In ordinary annuity payments or receipts occur at?
	(A) Beginning of each period
	(B) End of each period
	(C) Mid of each period
	(D) Quarterly basis
87.	is the series of constant cash flows (CCF) over limited period of time?
	(A) Perpetuity
	(B) Annuity
	(C) Present value
	(D) Future value
88.	A 5-year annuity due has periodic cash flows of Rs.100 each year. If the interest
	rate is 8 percent, the future value of this annuity is closest to which of the following
	equations?
	(A) (₹100) (FVIFA at 8% for 5 periods)
	(B) (₹100) (FVIFA at 8% for 4 periods) (1.08)
	(C) (₹100) (FVIFA at 8% for 5 periods) +(1.08)
	(D) (₹100) (FVIFA at 8% for 4 periods) + ₹100
89.	Rental payment for apartment is an example of?
	(A) Annuity due
	(B) Perpetuity
	(C) Ordinary annuity
	(D) Consol
90.	What is the value of Rs. 100 perpetuity if interest is 7%?
	(A) ₹12,321
	(B) ₹ 1,429
	(C) ₹21,350
	(D) None

91.	If you want to deposit money into bank, what will be yours choice?
	(A) Compounding annually
	(B) Compounding semi-annually
	(C) Compounding monthly
	(D) Compounding daily
92.	Which of the following is not the present value of the amount?
	(A) Intrinsic value
	(B) Market price
	(C) Fair price
	(D) Theoretical price
93.	Which of the following expresses 6.5%?
	(A) 0.0065
	(B) 6.5
	(C) 0.650
	(D) 0.0650
94.	If bank gives 12% rate of interest per year, then per month it will be?
	(A) 1%
	(B) 12%
	(C) 5%
	(D) 6%
95.	If compounding is done for more time outcome will be greater value, it is a choice
	of?
	(A) Borrower
	(B) Lender
	(C) Liabilities holder
	(D) None

- 96. Time value of money indicates that:
 - (A) A unit of money obtained today is worth more than a unit of money obtained in future
 - (B) A unit of money obtained today is worth less than a unit of money obtained in future
 - (C) There is no difference in the value of money obtained today and tomorrow
 - (D) None of the above
- 97. Time value of money supports the comparison of cash flows recorded at different time period by:
 - (A) Discounting all cash flows to a common point of time
 - (B) Compounding all cash flows to a common point of time
 - (C) Using either A or B
 - (D) None of these
- 98. Required rate of return>Coupon rate, the bond will be valued at:
 - (A) Premium
 - (B) Par value
 - (C) Discount
 - (D) None on the above.
- 99. The value of bond and debenture is:
 - (A) Present value of interest payments it gets
 - (B) Present value of contractual payments it gets till maturity
 - (C) Present value of redemption amount
 - (D) None of these
- 100. PVIFA stands for:
 - (A) Present Value Interest Factor Annually
 - (B) Past Value Interest Factor of Annuity
 - (C) Present value of redemption annuity
 - (D) None of these

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