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III Semester BBA/BCA (NEP) Degree Examination, March/April - 2023

KANNADA (Basic)

ಮಾನವರಾಗೋಣ

Paper : AECC

(Regular)

Time : 2 Hours

Maximum Marks : 60

Instructions to Candidates:

ಭಾಷೆ ಮತ್ತು ಬರಹದ ಶುದ್ಧಿಗೆ ಗಮನಹರಿಸಲಾಗುವುದು.

1. a) ಮನಸ್ಸು ಆಕಾರ ಮತ್ತು ಮಾಯೆ ಇವುಗಳ ಕುರಿತು ಅಕ್ಕಮಹಾದೇವಿಯ ನಿಲುವುಗಳೇನು? ಚರ್ಚಿಸಿರಿ. (10)
(ಅಥವಾ)
b) “ಗಂಡ-ಹೆಂಡಿರ ಜಗಳ ಗಂಧ ತೀಡಿದ್ದಾಂಗ” ಸಮರ್ಥಿಸಿರಿ.
2. a) ಚೆನ್ನೇಗೌಡರ ವಿಷಯದಲ್ಲಿ ಶ್ರೀಕಂಠಭಟ್ಟರು ನಡೆದುಕೊಂಡ ರೀತಿ ಧರ್ಮ ಸಮ್ಮತವಾದುದೇ? ವಿವರಿಸಿರಿ. (10)
(ಅಥವಾ)
b) “ದೇವರುಗಳ ರಾಜ್ಯದಲ್ಲಿ” ಕಥೆಯಲ್ಲಿ ಕುಂಟ ಜೋಸೆಪನ್ ಬದುಕನ್ನು ವಿವರಿಸಿರಿ.
3. a) ಸ್ವಾತಂತ್ರ್ಯದ ಹಸಿವು ಇಂಗಿತವಾಗುವುದು ಹೇಗೆ? ಅಡಿಗರ ದೃಷ್ಟಿಯಲ್ಲಿ ವಿಶ್ಲೇಷಿಸಿರಿ. (10)
(ಅಥವಾ)
b) “ನಲವತ್ತೇಳರ ಸ್ವಾತಂತ್ರ್ಯ” ವಾಸ್ತವತೆಯನ್ನು ಹೇಗೆ ಪ್ರತಿನಿಧಿಸುತ್ತದೆ? ವಿವರಿಸಿರಿ.
4. a) ಭರತನು ತೋರಿದ ಕಿರುಬೆರಳಿನ ಪರಾಕ್ರಮವನ್ನು ಕುರಿತು ವಿವರಿಸಿರಿ. (10)
(ಅಥವಾ)
b) ಬಸವೇಗೌಡರ ಕೋಣಸತ್ತ ಪ್ರಸಂಗವನ್ನು ವಿವರಿಸಿರಿ.
5. ಟಿಪ್ಪಣಿ ಬರೆಯಿರಿ [ಬೇಕಾದ ಎರಡಕ್ಕೆ] (2×5=10)
 - a) ಮುಂಬೈ ಜಾತಕ
 - b) ಕಾಲಪ್ರಜ್ಞೆ ಮತ್ತು ಗಡಿಯಾರ
 - c) ಬೆಸಗರ ಹಳ್ಳಿರಾಮಣ್ಣ
 - d) ಭರತೇಶ

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6. ಒಂದು ವಾಕ್ಯದಲ್ಲಿ ಉತ್ತರಿಸಿರಿ.

(10×1=10)

- a) ಅಕ್ಕಮಹಾದೇವಿ ಎಲ್ಲಿ ಜನಿಸಿದರು?
- b) ಕನ್ನಡದ ಮೂರನೇ ರಾಷ್ಟ್ರಕವಿ ಯಾರು?
- c) ತೇಜಸ್ವಿಯವರ ತಂದೆ-ತಾಯಿ ಹೆಸರೇನು?
- d) ಗಂಡ-ಹೆಂಡಿರ ಜಗಳ ಹೇಂಗಿರಬೇಕು?
- e) ಶ್ರೀಕಂಠ ಭಟ್ಟರಿಗಿದ್ದ ಜಮೀನು ಎಷ್ಟು?
- f) 'ಮಾನವರಾಗೋಣ' ಪದ್ಯದ ಕೃತ್ಯ ಯಾರು?
- g) ಕೆ. ಶರೀಫಾ ಅವರು ಯಾವ ವಿಶ್ವವಿದ್ಯಾಲಯದಿಂದ ಡಿ.ಲಿಟ್. ಪದವಿ ಪಡೆದರು?
- h) "ಬಸವೇಗೌಡರ ಕೋಣ" ಗದ್ಯದ ಲೇಖಕರಾರು?
- i) "ಭರತೇಶ ವೈಭವದ" ಕವಿ ಯಾರು?
- j) ಭುವನಾ ಹಿರೇಮಠ ಎಲ್ಲಿ ಜನಿಸಿದರು?



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III Semester B.B.A./B.C.A./B.S.W. (NEP) Degree Examination,
March/April - 2023

HINDI

1) काव्य कलश 2) पत्र लेखन

Paper - AECC

(Regular Syllabus 2022-2023 Onwards)

Time : 2 Hours

Maximum Marks : 60

I. किन्हीं दस प्रश्नों के सही उत्तर दीजिए।

(10×1=10)

- 1) 'काव्य कलश' इस किताब के संपादक कौन हैं?
अ) डॉ. गिरिजाकुमारी आर. ब) डॉ. राजेंद्र पोवार क) जय प्रकाश
- 2) 'वैद्यनाथ मिश्र' जी का उपनाम क्या है?
अ) अज्ञेय ब) दिनकर क) नागार्जुन
- 3) 1959 ई. में रामधारीसिंह जी को कौन सा पुरस्कार मिला?
अ) पद्मभूषण
ब) ज्ञानपीठ पुरस्कार
क) साहित्य अकादमी पुरस्कार
- 4) 'जीवन का अधिकार' इस कविता के कवि कौन हैं?
अ) हरिवंशराय बच्चन ब) प्रतिभा काटियार क) सुमित्रानंदन पंत
- 5) 'हालावाद' का जनक किसे माना जाता है?
अ) रामधारीसिंह ब) हरिवंशराय बच्चन क) सुमित्रानंदन पंत
- 6) जीवन जीने का अधिकार किसे होना चाहिए?
अ) समर्थ तथा शक्तिमान ब) दुर्बल क) कायर
- 7) 'नीड' का अर्थ क्या है?
अ) अध्यापक ब) घोसला क) बंगला
- 8) 'मन आजाद नहीं है' इस कविता के कवि कौन हैं?
अ) सुभद्राकुमारी चौहान ब) सोहनलाल द्विवेदी क) नीरज

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- 9) पत्र का प्रधान अंग ----- है।
अ) विषय सामग्री ब) प्रेषक क) हस्ताक्षर
- 10) 'प्रतिभा काटियार' द्वारा लिखित कविता का नाम क्या है?
अ) बालिका का परिचय ब) ओ अच्छी लड़कियों क) आज का दिन
- 11) 'राष्ट्रकवि' किसे कहा जाता है?
अ) रामधारी सिंह ब) केदारनाथ सिंह क) राजेश जोशी
- 12) 'नीरज' जी का वास्तविक नाम क्या है?
अ) वैद्यनाथ मिश्र ब) गोपालदास सक्सेना क) रामधारी सिंह

II. किन्हीं तीन अवतरणों का संदर्भ सहित स्पष्टीकरण कीजिए।

(3×5=15)

- 1) यह मेरी गोदी की शोभा, सुख सोहाग की है लाली।
शाही शान भिखारन की है, मनोकामना मतवाली।
- 2) मुट्ठी उसकी खाली हर बार नहीं होती,
कोशिश करने वालों की हार नहीं होती।
- 3) देवता कहीं सड़कों पर मिट्टी तोड रहे,
देवता मिलेंगे खेतों में, खलिहानों में।
- 4) अगर आज कहीं नही हुई कन्या-भृण-हत्या,
तो आज का दिन ऐतिहासिक हो सकता है।
- 5) कोहरे से ढकी सड़क पर,
बच्चे काम पर जा रहे हैं; सुबह-सुबह।

III. किन्हीं दो प्रश्नों के उत्तर लिखिए।

(2×10=20)

- 1) 'जनतंत्र का जन्म' इस कविता का भावार्थ अपने शब्दों में स्पष्ट कीजिए।
- 2) 'नीड़ का निर्माण' इस कविता का उद्देश्य स्पष्ट कीजिए।
- 3) 'गौतम एक बार फिर आओ' कविता का संदेश स्पष्ट कीजिए।
- 4) 'ओ अच्छी लड़कियों' इस कविता में निहित नारी स्वतंत्रता पर अपने विचार व्यक्त कीजिए।



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IV. किसी एक प्रश्न पर टिप्पणी लिखिए।

(1×5=5)

- 1) सफल व्यावसायिक - व्यावहारिक पत्र की विशेषताएँ कोनसी हैं?
- 2) व्यावसायिक - व्यावहारिक पत्र का प्रारूप स्पष्ट कीजिए।

V. किसी एक प्रश्न पर उत्तर लिखिए।

(1×10=10)

- 1) “चार दिन की छुट्टी मांगते हुए, अपने प्राधानाचार्य को आवेदन पत्र लिखिए।”
 - 2) “नवसाहित्य बुक स्टॉल”, बोगारवेस, बेलगांम को लोकभारती प्रकाशन, नवी दिल्ली से प्राप्त पुस्तकें कमजोर पैकिंग के कारण खराब हो चुकी हैं, शिकायती पत्र का प्रारूप तैयार कीजिए।
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III Semester B.B.A. 5. Degree (NEP) Examination, March/April - 2023**COST ACCOUNTING****(Regulars)****Time : 3 Hours****Maximum Marks : 60**

Instructions to Candidates : Write Q.No.s properly.
Solve step by step.

SECTION - AAnswer any **FIVE** of the following.**(5×2=10)**

1. What is cost accounting?
2. What is prime cost?
3. What is EOQ?
4. What is FIFO method?
5. What is labour cost?
6. What is idle time?
7. What is overhead?

SECTION - BAnswer any **FOUR** of the following.**(4×5=20)**

8. What is cost accounting? Discuss the importance of cost accounting to management.
9. Explain briefly the different levels of stock?
10. From the following data compute economic order quantity and number of orders to be placed in a year :

Annual consumption	4000 k.g
Cost of buying	Rs. 5 per order
Cost of material per unit	Rs. 2
Cost of storage per annum	2%
Interest rate per annum	6%

P.T.O.



11. Calculate the earning under Taylor differential piece rate from the given information :

Rate per hour Rs. 6

Standard time per unit = 30 minutes.

Differential piece rates to be applied

75% of piece rate below standard

125% of piece rate at or above standard.

In 8 hours of a day the actual output of the workers are : A = 15 units B = 25 units.

12. Calculate Machine Hour Rate :

Cost of the machine Rs. 50,000

Scrap value Rs. 10,000

Effective working life of the machine 10,000 hours.

Repairs for effective working life Rs. 10,000.

Power consumption 5 units per hour at Rs. 6 per unit.

Total hours worked 1000 hours during the year.

13. From the following information prepare the reconciliation statement :

Profit as per cost accounts	Rs. 4,50,000
Factory overheads over recovered in cost accounts	Rs. 3,600
Office overheads under recovered in cost accounts	Rs. 6,000
Depreciation shown in excess in cost accounts	Rs. 2,700
Interest on investments	Rs. 1,500
Receipt of income from share transfer	Rs. 300
Provision for income tax	Rs. 50,000

SECTION - C

Answer any 2 of the following.

(2×12=24)

14. From the following information, prepare stores ledger account. Under FIFO method of pricing material issues :

2022 June 1, Opening stock 200 units @ Rs.20 per unit

2022 June 5, Received 100 units @ Rs. 22 per unit

2022 June 10, Purchased 150 units @ Rs. 24 per unit.



2022 June 15, Placed order for 200 units with supplier.

2022 June 20, Purchased 180 units @ Rs. 25 per unit.

2022 June 24, Purchased 200 units @ Rs. 24 per unit.

Issues were made as follows :

2022 June 2, 150 units

2022 June 7, 100 units

2022 June 12, 100 units

2022 June 28, 200 units

Stock verification report reveals that there was a shortage of 10 units on 18th June 2022 and another shortage of 15 units on 26th June 2022.

15. Harish Ltd has three production departments and two service departments. The departmental overheads are as follows :

Production department	Service department
A Rs. 800	D Rs. 234
B Rs. 700	E <u>Rs. 300</u>
C <u>Rs. 500</u>	
Total 2000	Total 534

The expenses of the service department are charged out on a percentage basis is as follows:

	Production Depts			Service Depts	
	A	B	C	D	E
D Dept.	20%	40%	30%	-	10%
E Dept.	40%	20%	20%	20%	-

Using the above particulars apportion the service department expenses to various production department by adopting "Simultaneous equation Method".

16. The following information relates to the consumption of oil for a month.

Maximum consumption	400 units
Minimum consumption	320 units
Reorder quantity	400 units per week.
Delivery period	Normal 2 weeks
	Minimum 1 week
	Maximum 3 weeks.

Annual consumption during 2022. 4800 units



Calculate :

1. Reorder level.
2. Maximum stock level.
3. Minimum stock level.
4. Average stock level.
5. Average stock.
6. Material turnover Ratio.

Section - D

(Compulsory)

(1×6=6)

17. Virabhadreshwar Ltd is engaged in the manufacturing of product. Its records reveal the following later for 31-03-2022.

Direct wages 25,000

Factory overhead 50% of direct wages.

Other particulars	31-03-2021 (Rs.)	31-03-2022 (Rs.)
Raw materials	24,500	25,000
Work - in - progress	25,000	27,500
Finished goods	45,000	37,500
Purchases		1,25,000
Administrative overhead		10,000
Selling overhead		12,000
Sales for the years		2,20,000

Prepare cost statement.



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III Semester B.B.A. 5 (NEP) Degree Examination, March/April - 2023**ORGANISATIONAL BEHAVIOUR****Paper : DSC****(Regular)****Time : 3 Hours****Maximum Marks : 60****Instructions to Candidates :**

1. Write questions numbers correctly.
2. Section D - compulsory.

SECTION - A**I. Answer any Five questions.****(5×2=10)**

1. Define O.B.
2. What is Type A personality?
3. What is Group cohesiveness?
4. What is organisational development?
5. What is O.D. Intervention?
6. Define Perception.
7. What is Machiavellianism?

SECTION - B**II. Answer any Four questions.****(4×5=20)**

8. Explain the determinants of Personality.
9. Explain the stages of Group development.
10. Briefly explain factors influencing Perception.
11. Explain the process of organisational development.
12. Explain importance of O.B.
13. Explain the reasons for joining group.

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SECTION - C

III. Answer any Two questions.

(2×12=24)

14. What are the factors affecting Individual behaviour?
15. Explain the Perceptual process.
16. Explain the comprehensive model for diagnosing Organisational systems.

SECTION - D

IV. (Compulsory)

17. Explain various methods of overcoming Resistance to change.

(1×6=6)



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III Semester B.B.A. 5. (NEP) Degree Examination, April - 2023**BUSINESS STATISTICS****(Regular)****Time : 2 Hours****Maximum Marks : 60****Instructions to Candidates : Use Simple Calculators****Section - A**

Answer any 5 of the following.

(5×2=10)

1. Define tabulation.
2. What is index number?
3. Find the value of mode if mean is 90 and median is 92.
4. Define primary data.
5. Define statistics.
6. Write any 2 uses of time series.
7. Define Regression.

Section - B

Answer any 4 questions. Each carries 5 marks.

(4×5=20)

8. Find mean and median from the following data.

Class	0-10	10-20	20-30	30-40	40-50	50-60
Frequency	1	8	15	20	10	6

9. Explain different parts of a table.
10. Calculate Karl Pearson's co-efficient of correlation.

X	12	14	16	18	20	22	24	26	28
Y	36	33	30	27	24	21	18	15	12

[P.T.O.]



11. Following are the heights of 5 children. Find the standard deviation.

Height (cms) : 130, 137, 136, 142, 135.

12. Construct the consumer price index number for the year 2021 on the basis of 2020 from the following data

Commodities	Rice	Wheat	Pulses	Butter	Oil
Weight	40	20	15	20	5
Price (Per unit Rs.) 2020	16	40	0.50	5.12	2
Price (Per unit Rs.) 2021	20	60	0.50	6.25	1.5

13. Define classification? What are its methods?

Section - C

Answer any 2 of the following.

(2×12=24)

14. Calculate Fisher's ideal index number :

Commodity	Base year		Current year	
	Price	Quantity	Price	Quantity
A	2	74	3	82
B	5	125	4	140
C	7	40	6	33

15. The following are the figures of production (in thousand quintals) of a sugar factory.

Year :	2016	2017	2018	2019	2020	2021	2022
Production :	77	81	88	94	94	96	98

- Fit a straight line trend to the data
- Estimate the production in the year 2023.
- Graph the observed values and trend values.

16. Calculate mean, median and mode from the following data.

Classes.	2-4	4-6	6-8	8-10	10-12	12-14	14-16	16-18
Frequency	10	12	18	20	25	15	8	7



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Section - D
(Compulsory)

(1×6=6)

Answer the following question.

17. Represent the following data by a percentage component bar diagram.

Items of expenditure	Expenditure (in Rs.)	
	Family A	Family B
Food	150	100
Clothing	100	80
Rent	60	40
Fuel	80	50
Mis.	90	30



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III Semester B.B.A. 4 (CBCS) Degree Examination, April - 2023

QUANTITATIVE TECHNIQUES

(Repeater)

Time : 3 Hours

Maximum Marks : 80

Instructions to Candidates :

Section - D Compulsory.

Section - A

Answer any **ten** questions of the following.

(10×2=20)

1. Define probability
2. What is mutually exclusive events?
3. What is random variable.
4. What is hypothesis testing?
5. Define Binomial distribution.
6. Define Poisson distribution.
7. What is level of significance?
8. What is critical region/value?
9. What is LPP?
10. What is balanced assignment problems?
11. What is unbalanced transportation problems?
12. What is Degeneracy?

Section - B

Answer any **four** of the following questions.

(4×5=20)

13. Write down the properties of Normal distribution.
14. If $P(A) = \frac{1}{6}$, $P(B) = \frac{2}{6}$, $P(A \cap B) = \frac{1}{6}$. Find $P(A \cup B)$

[P.T.O.]



15. Solve the following game by minimax and maxmin method.

	B_1	B_2	B_3
A_1	5	6	8
A_2	4	-2	9
A_3	1	6	4

16. Find $E(x)$ and $Var(x)$ from the following.

x	1	2	3	4
$p(x)$	0.5	0.3	0.1	0.1

17. Solve the following by assignment problem.

	B_1	B_2	B_3
A_1	10	12	15
A_2	6	8	2
A_3	9	10	12

18. Find the total transportation cost by North-west corner.

	P	Q	R	Supply
1	12	15	20	50
2	25	12	4	30
3	6	8	10	20
Demand	20	40	40	

Section - C

Answer any **three** of the following questions.

(3×10=30)

19. One card is drawn from well shuffled pack of playing cards. Find probability that the card drawn is
- Heart
 - King
 - Belongs to red suit.
 - King or queen
 - King or heart.



20. X is normal variate with mean 42 and S.D. 4. Find the probability that a value taken by X is.

- i) Less than 50
- ii) Greater than 50
- iii) Less than 40

21. Solve the following transportation problem by least cost method.

	A	B	C	D	Supply
I	5	3	2	1	100
II	6	8	2	7	100
III	1	2	6	5	200
Demand	50	75	150	125	

22. From the following data test whether mean daily wages of workers of factory A and factory B are equal.

Factory	no. of workers	Mean	S.D
A	200	195	20
B	300	200	30

23. Solve the following LPP by graphically.

$$\text{Maximize } z = 5x + 4y$$

$$\text{Subject to } x - 2y \leq 10$$

$$x + 2y \leq 30$$

$$\text{and } x, y \geq 0$$

Section - D

Compulsory

(1×10=10)

24. Solve the following game graphically.

	B ₁	B ₂
A ₁	-2	0
A ₂	3	-1
A ₃	-3	2
A ₄	5	-4



44474/C0240

Reg. No.

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III Semester B.B.A. 4 Degree Examination, March/April - 2023**COMPUTER APPLICATIONS IN BUSINESS****(Repeater)****Time : 3 Hours****Maximum Marks : 80****Instructions to Candidates :**

- i) Write question numbers correctly.
- ii) Section - D is compulsory.

SECTION - A**I. Answer any ten questions of the following.****(10×2=20)**

1. Define cell.
2. Define system.
3. Expand DSS and EIS.
4. Mention the levels of management.
5. Mention the types of data models.
6. Who is database administrator?
7. Define data base.
8. What the shortcut keys for sales and purchase vouchers in tally?
9. Mention the shortcut to slide show in power point.
10. What is executive information system?
11. Define MIS.
12. Mention any four options available in edit menu.

SECTION - B**II. Answer any four of the following.****(4×5=20)**

13. Explain the characteristics of MIS.
14. Explain the characteristics of Management Support System (MSS)
15. Explain the different types of database users.
16. What is information system? Mention its characteristics?
17. Write a short note on page setup in MS-word.
18. Explain any 5 mathematical function with syntax and examples.

[P.T.O.]



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SECTION - C

III. Answer any three of the following.

(3×10=30)

19. Explain the steps of creating company in Tally.
20. Explain different types of database languages.
21. Explain the different types of charts available in MS-Excel.
22. Explain the advantages and disadvantages of transaction process system.
23. Write short notes (any two)
 - a) DSS
 - b) Database administrator
 - c) Spell check & grammar.
 - d) Features of tally.

SECTION - D

IV. Compulsory.

(1×10=10)

24. What do you mean by mail merge? Explain the steps for creating mail-merge in MS-word.



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No. of Printed Pages : 8

Booklet Serial No. 069143

Reg.No.

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III Semester B.A./B.B.A./B.S.W. Degree Examination, March/April - 2023
COMPUTER SCIENCE
Artificial Intelligence(SEC)
(Regular)

Time : 1½ (90 Minutes)**Maximum Marks : 30****Instructions to Candidates:**

1. Check for complete printing of 30 questions.
2. The last page of the question paper may be used for rough work.
3. Each question has four multiple choice answer and choose the correct one.
4. Darken the appropriate circle with the ball pen.
5. Damaging/overwriting using whitener on the OMR sheets are strictly prohibited.
6. No candidates will be allowed to leave the examination Hall till the end of the session and without handing over his/her answer sheet to the invigilator.
7. Candidates should ensure that the invigilator has verified all the entries and that the invigilator has affixed his/her signature in the space provided on the OMR.

[P.T.O.]



1. A Traffic monitoring solution to identify the location of different classes of vehicle. Is example of
 - A) Object detection
 - B) Image classification
 - C) Natural Language Processing
 - D) All of the above

2. In a college office daily attendance through Biometric machine is an example of which of the following?
 - A) Face detection
 - B) Image classification
 - C) Natural Language Processing
 - D) All of the above

3. Which of the following technique extract information from scanned documents such as letters, invoices , or forms?
 - A) OCR
 - B) OMR
 - C) OTR
 - D) None of the above

4. If System is trained by labeling the objects then is called.
 - A) Supervised machine learning
 - B) Unsupervised machine learning
 - C) Self-learning
 - D) None of the above

5. When might you see NaN returned for a score in Language Detection?
 - A) When the score calculated by the service is outside the range of 0 to 1
 - B) When the predominant language in the text is mixed with other languages
 - C) When the language is ambiguous
 - D) When the document is negative



6. What is the purpose of specifying granularity in your JSON data object?
- A) It is used to indicate the recording pattern of the data
 - B) It tells the service how to chunk up the results that are returned for review
 - C) It is used to indicate the range of acceptable values
 - D) It collects all the values in a window of time and evaluates them all at once
7. How does the Anomaly Detector service evaluate real-time data for anomalies?
- A) It collects all the values in a window of time and evaluates them all at once
 - B) It evaluates the current value against the previous value
 - C) It uses interpolation based on the current value and the previous value to predict what the expected
 - D) It is used to indicate the recording pattern of the data
8. Which of the following metric is not used for binary classification?
- A) Accuracy is the proportion of true results to total cases
 - B) Precision is the proportion of true results to positive results
 - C) Recall is the fraction of all correct results over all results
 - D) Root mean Square error
9. The principle that describes raising awareness of the limitations of responsible AI-based solutions is called: _____
- A) Privacy and security
 - B) Reliability and safety
 - C) Transparency
 - D) Accountability
10. The principle of providing the benefits of responsible AI systems to all parts of society regardless of their gender or ethnicity is called: _____
- A) Privacy and security
 - B) Reliability and safety
 - C) Inclusiveness
 - D) Accountability



11. Which technique serves as the basis for modern image classification solutions?
- A) Deep learning
 - B) Anomaly detection
 - C) Linear regression
 - D) Multiple linear regression
12. You can extract information printed on food product labels by using _____.
- A) Image classification
 - B) Natural language processing
 - C) Optical character recognition
 - D) Image segmentation
13. You need to train a machine learning model to detect company logos in images, what should you use?
- A) Azure custom vision image classification
 - B) Azure custom vision object detection
 - C) Azure face service
 - D) Language Understanding Intelligent Service(LUIS)
14. You can exchange chatbot activities with other services by implementing _____.
- A) Cards
 - B) Channels
 - C) Dialog
 - D) Turns
15. To analyze data, which of the following core component/s used.
- A) Descriptive
 - B) Diagnostic
 - C) Predict
 - D) All of the above



16. Which data analyst task has a critical performance impact on reporting and data analysis?
- A) Model
 - B) Analyze
 - C) Visualize
 - D) None of the above
17. By analyzing past decisions and events, organizations can estimate the likelihood of different outcomes is _____.
- A) Descriptive data analytics
 - B) Diagnostic data analytics
 - C) Predictive data analytics
 - D) Prescriptive data analytics
18. Who enables business to maximize the value of their data assets through visualization and reporting tools such as Microsoft Power BI?
- A) Data analyst
 - B) Data engineer
 - C) Data scientist
 - D) Database administrator
19. Who is responsible for the overall availability and consistent performance and optimizations of the database solutions?
- A) Data analyst
 - B) Data engineer
 - C) Data Scientist
 - D) Database administrator
20. Attribute which is uniquely identified called _____.
- A) Foreign key
 - B) Super key
 - C) Primary key
 - D) Console key



21. URL stands for
- A) Unique Resource Locator
 - B) Uniform Resource Locator
 - C) Unified Resource Locator
 - D) Universal Resource Locator
22. IMPORT data means.
- A) Getting data from local drive or cloud
 - B) Getting data from local company
 - C) Getting data from foreign company
 - D) None of the above
23. What type of expression do you use to extract data from microsoft SQL server?
- A) DAX
 - B) T-SQL
 - C) MDX
 - D) None of the above
24. What is cardinality?
- A) Cardinality is the measure of unique values in a table
 - B) Cardinality is the granularity of the data
 - C) Cardinality is how long it takes for the data to load
 - D) Cardinality is a type of visual element
25. How do you visualize a data?
- A) By bar chart
 - B) By line chart
 - C) By pie chart
 - D) All of the above



26. _____ used to visualize commonly used or important filters on the report canvas for easier access.
- A) Scatter chart
 - B) Maps
 - C) Slicers
 - D) Bar charts
27. Tree map is ideal to visualize.
- A) Large amounts of hierarchical data when a bar chart can't effectively handle the large number of values
 - B) Illustrate the correlation between two measures in one visual
 - C) Used items flow sequentially from one stage to the next
 - D) None of the above
28. Short cut key to create group in power BI
- A) Ctrl+click
 - B) Ctrl+A
 - C) Ctrl+G
 - D) Ctrl+N
29. Where are time series charts located?
- A) The filter pane is where all filters on visuals and pages are located
 - B) Time series charts can be imported from App source
 - C) The fields pane is where all charts are located
 - D) From chart menu
30. What feature in power BI service can you use to troubleshoot the flow of data from its source to its destination?
- A) Usage metrics report
 - B) Query caching
 - C) Quick insights
 - D) Lineage view