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BSC/BCA I Semester (Repeater) Examination, Aug/Sept -2024
Subject: English (AECC) Generic English-1

Duration of Paper: 2 Hrs.

Maximum Marks: 60

Instruction to the Candidate:

1. Write down the correct question numbers
2. Write the answers legibly and clearly

I) Answer the following questions in a word or a phrase or a sentence each. (1x10=10)

- 1) What according to C.V. Raman is the elixir of life?
- 2) Who is famous not only as an actor but for the beauty of his speech in the lesson "Spoken English and Broken English"?
- 3) What according to G. B. Shaw is 'Good English'?
- 4) How old was Tembu?
- 5) What weapon did Baldeo carry?
- 6) Who will make temples for Siva?
- 7) What according to Basavanna is a cupola of gold?
- 8) Who wrote the poem 'To India My Native Land'?
- 9) How many roads diverged in a yellow wood?
- 10) Which road did the poet take at last?

II)

1)1 "Life cannot exist on earth without water." Explain (1x10=10)
OR

2) What are Shaw's views on English (1x10=10)

III) 1) Discuss the ideas of spirituality from your study of 'Vachana 820' (1x10=10)
OR

2) Critically appreciate the poem 'The Road not Taken'

IV) Answer any Two of the following questions. (2x5=10)

- 1) Introduce yourself before a panel of interview members as an eligible candidate for the post of a manager for a reputed bank.
- 2) Draft a congratulatory note to your friend on his success in IAS examination
- 3) Write instructions on the task of preparing 'lemon juice' in a paragraph by using the words such as-Firstly, after this, next, then, the next step, subsequently, in the following stage etc.
- 4) Write a dialogue of enquiry between a customer and a shopkeeper on buying a book "Indian writing in English".

V) Answer any four of the following sets. (5x1=5)

A) Use the following words as directed.

- 1) 'Book' as a verb in a sentence.
- 2) 'Slow' as an adverb in a sentence.
- 3) 'Obey' as an adjective in a sentence.
- 4) 'Noble' as a noun in a sentence.
- 5) 'Qualification' as a verb in a sentence.

B) Fill in the blanks with suitable articles.

(5x1=5)

- 1) The sun sets the west.
- 2) I had apple for breakfast.
- 3) My father is university professor.
- 4) I have umbrella.
- 5) book you want is out of print.

C) Fill in the blanks with suitable prepositions.

(5x1=5)

- 1) Geeta is juniorme.
- 2) Somesh comes to college..... bus.
- 3) I live..... India.
- 4) She is home now.
- 5) He jumped.....the river.

D) Convert the following direct questions into indirect questions.

(5x1=5)

- 1) Are you coming to the party?
- 2) What is his name?
- 3) Where is the department store?
- 4) How does it work?
- 5) Does she know about computer?

E) Frame the negative questions

(5x1=5)

- 1) It would be nice to paint that wall green.
- 2) She is a noble lady.
- 3) It is easy to work hard to get success.
- 4) He was late for the class.
- 5) George broke the glass.

F) Frame the question as directed

(5x1=5)

- 1) A million people waited in the sun, (Frame wh. question to get underlined word as answer)
- 2) Shakespeare wrote Hamlet. (Frame wh. question to get underlined word as answer.)
- 3) I am afraid of snakes. (Add question tag)
- 4) Yes, they are married. (Frame Yes/No question to get answer.)
- 5) No, they have not studied well. (Frame yes/no question to get the answer)

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B.Sc. I Semester (Repeater) Examination, Aug/Sept-2024
Subject: Algebra-I & Calculus-I

Duration of Paper: 2 Hrs.

Maximum Marks :60

Instruction to the Candidate: Answer any six questions from question No 1
 Answer any Three questions from question No 2,3,4 & 5.

- 1) Answer any six of the following (6x2=12)
- Define skew symmetric matrix & give an example.
 - Find the rank of the matrix $\begin{vmatrix} 1 & 0 & 1 \\ -1 & 2 & 3 \\ 2 & 3 & 1 \end{vmatrix}$
 - Prove that $\phi = \frac{\theta}{2}$, for the cardioid $r=a(1-\cos \theta)$
 - Define polar sub tangent & polar subnormal
 - Discuss the continuity of $f(x) = \begin{cases} 3x + 2, & x \leq 0 \\ x + 1, & x > 0 \end{cases}$ at $x=0$
 - Evaluate: $\lim_{x \rightarrow 0} \frac{\log \tan x}{\log x}$
 - Find the nth derivative $\sin(ax+b)$
 - If $y=\cos^2 3x$ then find y_n
- 2) Answer any Three of the following. (3x4=12)
- Find the inverse of $\begin{bmatrix} 3 & 4 \\ 2 & 1 \end{bmatrix}$ by using Cayley – Hamilton theorem.
 - Prove that equivalent matrices have the same rank
 - Reduce the matrix $\begin{vmatrix} 1 & 2 & 0 & -1 \\ 3 & 4 & 1 & 2 \\ -2 & 3 & 2 & 5 \end{vmatrix}$ to normal form & then find its rank
 - Test the consistency & solve the system of equations $x-y+3z=6$; $x+y+z=4$ & $2x-y-z=-1$
- 3) Answer any Three of the following. (3x4=12)
- Derive the angle between the radius vector & the tangent to the curve $r=f(\theta)$.
 - Show that the curves $r^2 = a^2 \cos 2\theta$ & $r^2 = a^2 \sin 2\theta$ cuts orthogonally.
 - Find the pedal equation for the curve $r = a(1 + \sin \theta)$
 - Derive the radius of curvature in cartesian form.
- 4) Answer any Three of the following. (3x4=12)
- State and prove intermediate value theorem.
 - If $\lim_{x \rightarrow a} f(x) = l$, $\lim_{x \rightarrow a} g(x) = m$ then prove that $\lim_{x \rightarrow a} [f(x) - g(x)] = l - m$
 - Verify Rolle's theorem for the function $f(x) = x^2 - 6x + 8$, in $[2,4]$
 - Explain $\log(\sec x)$ by using Maclaurin's Series
- 5) Answer any Three of the following (3x4=12)
- Find the n^{th} derivative of $\sin 2x \cdot \cos 4x$.
 - Find the n^{th} derivative of $e^{ax} \cdot \cos(bx+c)$
 - State and prove Leibnitz theorem for n^{th} derivative of product of two functions.
 - If $y = \tan^{-1} x$ then show that $(1+x^2)y_{n+1} + 2nxy_n + n(n-1)y_{n-1} = 0$

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B.A/B.COM/BSC I Semester (Repeater) Examination, Aug-2024
Subject: Political Science (Human Rights)

Duration of Paper: 2 Hrs.

Maximum Marks :60

Instruction to the Candidate:

Answer all questions from all parts subject to internal choice.

ಆಂತರಿಕ ಆಯ್ಕೆಯನ್ನು ಗಮನಿಸಿ ಎಲ್ಲಾ ಭಾಗಗಳ ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿ.

Part-A/ಭಾಗ-ಅ

I) Answer any five questions

(5x5=25)

ಬೇಕಾದ ಐದು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿರಿ.

1) Define Human Rights.

ಮಾನವ ಹಕ್ಕುಗಳನ್ನು ವ್ಯಾಖ್ಯಾನಿಸಿ.

2) List the first-generation Human Rights.

ಮೊದಲ ತಲೆಮಾರಿನ ಮಾನವ ಹಕ್ಕುಗಳ ಪಟ್ಟಿ ಮಾಡಿ.

3) What is Right to Information?

ಮಾಹಿತಿ ಹಕ್ಕು ಎಂದರೇನು ?

4) What do you mean by Minority Rights?

ಅಲ್ಪಸಂಖ್ಯಾತರ ಹಕ್ಕುಗಳು ಎಂದರೇನು?

5) List the objectives of Human Rights.

ಮಾನವ ಹಕ್ಕುಗಳ ಉದ್ದೇಶಗಳನ್ನು ಪಟ್ಟಿ ಮಾಡಿ.

6) Discuss the importance of Human Rights.

ಮಾನವ ಹಕ್ಕುಗಳ ಮಹತ್ವವನ್ನು ಚರ್ಚಿಸಿ.

7) What are the fundamental duties assigned to India citizens?

ಭಾರತದ ಪ್ರಜೆಗಳಿಗೆ ನಿಗದಿಸಿರುವ ಮೂಲಭೂತ ಕರ್ತವ್ಯಗಳು ಯಾವವು?

8) What are the functions of national commission for Scheduled Tribes ?

ರಾಷ್ಟ್ರೀಯ ಪರಿಶಿಷ್ಟ ಪಂಗಡದ ಆಯೋಗದ ಅಧಿಕಾರಗಳು ಯಾವವು?

Part-B/ಭಾಗ-ಬಿ

II) Answer any two of the following question.

(2x10=20)

ಬೇಕಾದ ಎರಡು ಪ್ರಶ್ನೆಗಳಿಗೆ ಉತ್ತರಿಸಿರಿ.

1) Explain the Nature and scope of Human Rights

ಮಾನವ ಹಕ್ಕುಗಳ ಸ್ವರೂಪ ಮತ್ತು ವ್ಯಾಪ್ತಿ ವಿವರಿಸಿರಿ.

2) Discuss the Third generation Human Rights.

ಮೂರನೆಯ ಜನಾಂಗದ ಮಾನವ ಹಕ್ಕುಗಳನ್ನು ಚರ್ಚಿಸಿ.

3) Explanation Rights to Equality in Indian Constitution.

ಭಾರತದ ಸಂವಿಧಾನದಲ್ಲಿಯ ಸಮಾನತೆಯ ಹಕ್ಕನ್ನು ವಿವರಿಸಿರಿ.

4) Explain the features of Human Rights.

ಮಾನವ ಹಕ್ಕುಗಳ ಲಕ್ಷಣಗಳನ್ನು ವಿವರಿಸಿರಿ.

Part-C /ಭಾಗ-ಕ

III) Answer any One of the following question.

(1x15=15)

ಬೇಕಾದ ಒಂದು ಪ್ರಶ್ನೆಗೆ ಉತ್ತರಿಸಿರಿ.

1) Explain the composition Powers & functions of National Human Rights Commission(NHRC)

ರಾಷ್ಟ್ರೀಯ ಮಾನವ ಹಕ್ಕುಗಳ ಆಯೋಗದ ರಚನೆ ಅಧಿಕಾರ ಮತ್ತು ಕಾರ್ಯಗಳನ್ನು ವಿವರಿಸಿರಿ.

2) Discuss the charterers of Human Rights.

ಮಾನವ ಹಕ್ಕುಗಳ ಲಕ್ಷಣಗಳನ್ನು ಚರ್ಚಿಸಿ.

3) Analyse the challenges to the Human Rights.

ಮಾನವ ಹಕ್ಕುಗಳಿಗೆ ಇರುವ ಸವಾಲುಗಳನ್ನು ವಿಶ್ಲೇಷಿಸಿರಿ.