Shivaji University, Kolhapur
B.A.(Part-I) (Semester-II) Examination (March, 2023) May - 2023
Marathi (Opt.) DSC- A13 Paper-II (CBCS) Sub. Code: 88368
पाठ्यपुस्तक:- अक्षरबंध

Day & Date:Tuesday: 25/05/2023
Time: 10.30 to 12.30
Total Marks: 50

सूचना :-
१) सर्व प्रश्न सोडविणे आवश्यक आहे.
२) डाव्या बाजूचे अंक गुण दर्शवतात.

प्रश्न- १ योग्य पर्याय निवडा. १०

१) राग या कवितेत कोणत्या मुलांची समस्या आली आहे ?
   अ) कुपोषित   ब) शहरी   क) खेडवळ   ड) गरीब

२) कवीने व्यक्तीला मोठ्या मुलाचे नाव काय सांगितले ?
   अ) मुक्तछंद   ब) अलंकार   क) छंद   ड) नाद

३) कुणालाही न दुखावता श्रद्धा सबुरीने काय साधायचे असते ?
   अ) डाव   ब) स्वार्थ   क) प्रेम   ड) आपुलकी

४) पालेभाज्यांची रसायने आज काय पोखरत आहे ?
   अ) हाडं   ब) माणूस   क) शेती   ड) शरीर

५) कवीला भेट म्हणून कोणता वृक्ष दिला ?
   अ) पिंपळ   ब) वड   क) जांभूळ   ड) लिंब

६) माझे......... माहित नसल्याने तो खूप अस्वस्थ झाला.
   अ) आडनाव   ब) गाव   क) नाव   ड) पासबुक

७) लग्राच्या धामधुमीत कोणी प्राण सोडला ?
   अ) आजीने   ब) मामीने   क) चुलतीने   ड) मावशीने

८) प्रत्येकाच्या हालचालीवर कोण लक्ष ठेवून असते
   अ) सीसीटीव्ही कॅमेरे   ब) माणसं   क) पोलीस   ड) चोर

९) पर्सनल मुलाखतीच्या वेळी कोणता कळीचा मुद्दा ठरला ?

अ) जात धर्म   ब) देवधर्म   क) वशिला   ड) भ्रष्टाचार

१०) सोन्याचा दात बसवलेली माणसे कोणाची थट्टा करतात ?

अ) गरिबांची   ब) शेतकऱ्यांची   क) मजुरांची   ड) माणसांची

प्रश्न २ दीर्घोत्तरी प्रश्न   (दोन पैकी एक)   १०

१) 'जीवाचा आटापिटा ' या कवितेमध्ये कवीने कोणत्या प्रवृत्तीचा शोध घेतला आहे

२) शहरातला माणूस जीवनामध्ये कोणत्या तडजोडी करतो ?

प्रश्न ३ दीर्घोत्तरी प्रश्न (दोन पैकी एक)   १०

१) कवी लोकनाथ यशवंत यांच्या कवितांचे स्वरूप कसे आहे ?

२) कवी लोकनाथ यशवंत यांच्या कविताचा केंद्रबिंदू कोण आहे ?

३) 'बोन्साय वृक्ष' हा कशाचा प्रतीक आहे ?

प्रश्न ४ लघुत्तरी प्रश्न लिहा (तीन पैकी दोन)   १०

१) बातमी म्हणजे काय ते सांगून बातमीचे प्रकार लिहा ?

२) बातमीदाराचे गुण थोडक्यात स्पष्ट करा ?

३) बातमीलेखन करताना बातमीदाराने कोणती काळजी घ्यावी ?

प्रश्न ५ लघुत्तरी प्रश्न लिहा (चार पैकी दोन)   १०

१) आकलन म्हणजे काय ?

२) कवितेचे आकलन कसे करावे?

३) नोकरीसाठी अर्ज करा ?

४) आज पत्रलेखनाचे स्वरूप कसे बदलले आहे ?

Seat
No.

M.A. (Part- II) (Semester- III) (CBCS) (New)
Examination, January - 2023
ENGLISH (Group- B)
Australian and Canadian Literature
Sub. Code : 71333/61595

Day and Date : Saturday, 14 - 01 - 2023   **Total Marks : 80**
Time : 10.30 a.m. to 1.30 p.m.

Instructions :   1)   **All questions are compulsory.**
                     2)   **Figures to the right indicate full marks.**

Q1) Answer in one word/phrase/sentence: **[10]**

   a)   Who is Sally's husband?

   b)   What is the name of Sophia's mentor?

   c)   To which Collection of poems by Cohen 'The Genius' belongs to?

   d)   How does Raymond Souster describe girls in 'Young Girls'?

   e)   What is the central theme of Gilmore's 'Eve song'?

   f)   Whose death is lamented in Slessor's 'Five Bells'?

   g)   Who is Jonhine Dowd?

   h)   What is the name of Pearl's daughter?

   i)   What is Kip's speciality in the army?

   j)   Who is Almasy's best friend in desert?

P.T.O.

Q2) Attempt <u>any two</u> of the following questions in about 600 words each:

[30]

a)   Discuss the issues of hybrid culture and identity crises in post colonial Canadian novel with reference to the prescribed text.

b)   Discuss the various themes in Australian and Canadian poetry.

c)   Write a detailed note on the major concerns of Modern Australian Drama.

Q3) Attempt <u>any two</u> of the following questions in about 600 words each:[30]

a)   Examine the theme of 'female intellectual ambition and its frustrations'reflected in Munro's 'Too Much Happiness'

b)   Discuss the Social realism reflected in Gilmore's 'Eve song'.

c)   Critically evaluate the theme of love reflected in Cohen's *poetry*.

Q4)Write short notes on <u>any two</u> of the following in about 200 words each:

[10]

a)   Psychological conflict of Sally.

b)   Symbol of Desert in *The English Patient*

c)   Theme of the poem 'Never Admit the pain'

◂▸ ◂▸ ◂▸

Seat No.

M.A. (Part - II) (Semester - III) (CBCS) (New) Examination, March - 2023
Hindi (हिंदी) (Paper - XII)
कथेतर साहित्य - I
Sub. Code : 71306

Day and Date : Thursday, 15 - 06 - 2023   Total Marks : 80
Time : 02.30 p.m. to 05.30 p.m.

सूचनाएं :   1)   सभी प्रश्न अनिवार्य हैं ।
2)   दाई ओर लिखे हुए अंक प्रश्नों के गुण दर्शाते हैं ।

प्र.1) निम्नलिखित प्रश्नों के नीचे दिए गए विकल्पों में से सही विकल्प चुनकर लिखिए ।   [20]

i)   बौद्ध साहित्य में अभि सत्य का अर्थ .... है ।

   अ)   श्रेष्ठतर   ब)   वरेण सत्य

   क)   निर्वाण   ड)   दुःख

ii)   रामवृक्ष बेनीपुरी जी की पत्नी का नाम .... था ।

   अ)   उमा रानी   ब)   फूला रानी

   क)   चंपा रानी   ड)   रूपा रानी

iii)   'चीड़ों पर चांदनी' गद्य की .... विधा है ।

   अ)   यात्रा वृत्तांत   ब)   निबंध

   क)   डायरी   ड)   उपन्यास

iv)   नागार्जुन ने .... में बौद्ध धर्म की दीक्षा ली ।

   अ)   लड़ाख   ब)   ब्रह्मदेश

   क)   बनारस विद्यालय   ड)   विद्यालंकार–परिवेण

v)   भारतीय एकता के सूत्र धार .... है ।

   अ)   शंकराचार्य   ब)   मध्वाचार्य

   क)   वल्लभाचार्य   ड)   वीराचार्य

P.T.O.

vi) बाढ़ और भूकंप ने .... के खेत और घर को बर्बाद किया ।

अ) मंगर   ब) सरजू भैया

क) देव   ड) बैजू मामा

vii) चेखव .... रचनाकार है ।

अ) अमरिकन   ब) जर्मन

क) रूसी   ड) फ्रेंच

viii) .... में कहीं गई बात आम लोगों तक बड़ी आसानी से पहुंचती है ।

अ) काव्य   ब) व्यंग्य

क) उपन्यास   ड) गद्य

ix) भारतीय संस्कृति पर्यावरण की नहीं .... की चिंता करती है ।

अ) क्रोध   ब) स्नेह दीक्षा

क) रमणीयता   ड) विकास

x) आज का काम कल के लिए छोड़ते यह आदत .... में थी ही नहीं ।

अ) देव   ब) भौजी

क) मंगर   ड) सरजू भैया

प्र.2) निम्नलिखित में से चार अवतरणों का संदर्भसहित स्पष्टीकरण कीजिए । (6 में से 4)   [20]

अ) ''अच्छा, कोई एक काम आप मुझसे कहिए, जो मैं करूं कोई अच्छा काम, जो देश के लिए फायदे का हो ।''

ब) ''वह हर बार एक ही अपराध में आते हैं, जिसमें आज तक एक बार में दो साल की कैद से ज्यादा की सजा उन्हें नहीं मिली । ज्योंही छूट कर जाते हैं, उसी अपराध को दुहराते हैं और फिर एक-दो साल की सजा लेकर पहुंच जाते है ।''

क) ''क्या करना है अंग्रेजी पढ़कर, क्रिस्तान बनना है! लो यह अमरकोश, जिस दिन यह कंठस्थ हो जाएगा उस दिन तीनों लोक तुम्हारे लिए हस्तामलक हो जाएंगे ।''

ड) ''जो भी दुखिया आया, अपनी विपदा बताई, उसे देवता–सा दे दिया और वसूलने के समय जब वह आंखों से आंसू लाकर गिड़गिड़ाया तो देवता ही की तरह पसीज गए ।''

इ) ''इनके पास व्यंग्य सहज और हथलग्गू हथियार है । जिससे कहीं भी निशाना लगाया जा सकता है । वह अपने निशाने पर ढंग से ही लगेंगे, व्यंग्य में कही गई बात आम लोगों तक बड़ी ही आसानी से पहुंच जाती है ।''

फ) ''इन हाथों ने यह काम किया, क्या वे वीर के हाथ थे । शेर के पंजे थे? नहीं, नहीं, कुछ यारों ने बुजदिलों और कायरों ने छुप कर, घात लगाकर, बड़े बुरे मौके पर बुरे ढंग से, यह कुकर्म किया । उसकी कल्पना भी खून को खौला देती है, उत्तेजित कर देती है ।''

प्र.3) 'भारतीय सनातन मूल्य : वसुधैव कुटुंबकम' निबंध के आधार पर 'वसुधैव कुटुंबकम' भारतीय संस्कृति का कालजयी मूल्य है' विशद कीजिए ।   [20]

अथवा

सरजू भैया की चारित्रिक विशेषताओं पर प्रकाश डालिए ।

प्र.4) 'चींडों पर चांदनी' के आधार पर मध्य यूरोप के प्राकृतिक सौंदर्य पर प्रकाश डालिए ।   [20]

अथवा

'नागार्जुन : मेरे बाबूजी' जीवनी के आधार पर नागार्जुन के व्यक्तित्व पर प्रकाश डालिए ।

□□□

Seat No.

M.Com. (Part - II) (Semester - III) (CBCS) Examination, March - 2023
CC-C1 : MANAGEMENT ACCOUNTING (Paper -I)
Sub. Code: 79883

Day and Date : Monday, 12- 06 - 2023   **Total Marks : 80**
Time : 2.30 p.m. to 5.30 p.m.

Instructions :
1) Question No.1, 2 & 3 are compulsory.
2) Attempt any two questions from Q.4 to Q.6.
3) Figures to right indicate full marks.

Q1) A) Choose the Correct Alternative.   **[10]**

a) Management Accounting is concerned with accounting information that is useful to the_____.
   - i) shareholders
   - ii) customers
   - iii) management
   - iv) All of these

b) Management Accounting system is based on _____system.
   - i) double entry
   - ii) single entry
   - iii) merchantile
   - iv) none of these

c) Which of the following current asset is most liquid asset.
   - i) Inventory
   - ii) Prepaid Expenses
   - iii) Marketable Investments
   - iv) Debtors

d) Liquidation of _____ assets typically would disrupt the operations of the firm.
   - i) current
   - ii) fixed
   - iii) tangible
   - iv) intangible

e) _____assets are those assets which are invisible but they silently contribute to the existence and development of entity's activities.
   - i) Current
   - ii) Fixed
   - iii) Tangible
   - iv) Intangible

f) _____working capital means the excess of current liabilities over the current assets.
   - i) Seasonal
   - ii) Positive
   - iii) Negative
   - iv) Permanent

g) _____working capital refers to the minimum amount of investment in current assets required at all time to carry out minimum level of business activities.

   i) Seasonal   ii) Positive

   iii) Negative   iv) Permanent

h) As per AS-3, acquisition of machinery by issue of equity shares or redemption of debentures by issue of equity shares should be shown under _____activities in a cash flow statements.

   i) operating   ii) investing

   iii) financing   iv) none of these

i) Redemption of preference shares by issue of debentures results in _____of funds.

   i) inflow   ii) outflow

   iii) no flow   iv) none of these

j) A company issues shares worth Rs. 5 lakh for purchase of plant and Rs. 5 lakh for cash results in_____.

   i) funds inflow of Rs. 5 lakh

   ii) funds inflow of Rs. 10 lakh

   iii) funds outflow of Rs. 5 lakh

   iv) funds outflow of Rs. 10 lakh

B) State the following Statement are True or False.   [6]

   a) Analysis of financial statements is a tool but not a remedy.

   b) Dividend paid is not a source of fund.

   c) Payment of cash against purchase of stock is use of fund.

   d) Ratio Analysis is useful for inter-firm comparison

   e) In calculating net cash flows, depreciation is not treated as a cost.

   f) A major deficiency of the statement of cash flows is that it doesn't explicitly consider non-cash transactions.

Q2) a) What do you meant by management accounting? Explain functions of management accounting.   [8]

   b) Discuss in detail various objectives of financial statement.   [8]

<div align="center">OR</div>

Write Short Note (Any FOUR). [16]

a) Scope of Management Accounting.

b) Limitations of Ratio Analysis.

c) Working Capital Cycle.

d) Sources of Funds.

e) Cash Flow Statement.

f) Common Size Statement.

Q3) Excellent Ltd. is desires to purchase a business and has consulted to you and one point on which you are asked to advice them is average amount of working capital which will be required in the first year's working. You are given the following information and are instructed to add 10% your computed figure to allow for contingencies. [16]

Sr. No.		Figures for the year Rs.
1.	Average amount locked up in stocks	
	Stock of Finished Products	50,000
	Stock of Stores, Materials etc.	80,000
2.	Average credit given	
	Inland sales one and half month credit	31,20,000
	Exports sales half month credit	7,80,000
3.	Lag in the Payment of wages and other outgoings-	
	Wages half month	2,60,000
	Stores materials etc. 1.5 months	48,000
	Rent Royalties etc. 6 months	10,000
	Clerical Staff Salary half month	92,400
	Manager Salary half month	60,000
	Misc. Exp. 1.5 month	4,80,000
4.	Payment in Advance (paid quarterly in advance)	80,000

Q4) Following are summarized Balance Sheets of M/s Om & Co. as on 31st March 2022 and 2023. **[16]**

Liabilities	2022	2023	Assets	2022	2023
Equity Share Capital	2,00,000	2,50,000	Cash at Bank	35,000	16,000
12% Debentures	1,00,000	80,000	Closing Stock	40,000	75,000
10% Pref. Shares	50,000	80,000	Bills Receivable	20,000	50,000
Bank Loans	70,000	1,10,000	Sundry Debtors	70,000	1,00,000
Reserve & Surplus	20,000	25,000	Machinery	85,000	68,000
Profit & Loss A/c	60,000	75,000	Land	2,00,000	3,05,000
Proposed Dividend	20,000	25,000	Building	1,40,000	99,000
Creditors	70,000	68,000			
	5,90,000	7,13,000		5,90,000	7,13,000

Additional Information:

a) Depreciation charged during 2023 was Rs. 4,000 on Machinery and Rs. 12,000 on Building.

b) Redemption of debentures was made at 10% premium.

c) The machinery which costs Rs. 52,000/- and in respect of which Rs. 37,000/- had been written off as depreciation was sold during the year 2023 for Rs. 20,000/-

d) During 2023 interim dividend Rs. 16,500 was paid.

Prepare Funds Flow Statement, statement of working capital and adjusted profit & Loss A/c.

Q5) Using the following accounting variables construct the Balance Sheet As on 31st March, 2023. **[16]**

Gross Profit (20% of Sales)	Rs. 60,000
Shareholders Equity	Rs. 50,000
Credit Sales to Total Sales	80%
Total Assets Turnover Ratio	3 times
Stock Turnover Ratio	8 times
Average Collection Period (A year = 360 days)	18 days
Long term debt to Equity	40%
Current Ratio	1.6

Balance Sheet As on 31st March, 2023

Liabilities	Rs.	Assets	Rs.
Shareholders Fund	-	Cash	-
Long Term Debt	-	Debtors	-
Creditors	-	Closing Stock	-
	-	Fixed Assets	-
Total	-	Total	-

Q6) The Balance Sheets of J&K Ltd. as on 31st March of two years are given below: **[16]**

Liabilities	2022	2023	Assets	2022	2023
Sundry Creditors	30,000	40,000	Cash Balance	50,000	60,000
Debentures	1,50,000	90,000	Sundry Debtors	75,000	1,00,000
Provision for Depreciation on Plant	60,000	80,000	Inventory	1,40,000	1,20,000
Equity Capital	2,00,000	2,40,000	Land	1,00,000	80,000
Retained Earnings	1,25,000	1,60,000	Plant & Machinery	2,00,000	2,50,000
Total	5,65,000	6,10,000	Total	5,65,000	6,10,000

Cash Dividends of Rs. 25,000 have been paid during the year.

You are required to prepare a cash flow statement.

✿ ✿ ✿

M.Sc. (Part - I) (Semester - I) Examination, March - 2023
MATHEMATICS (NEP)
Partial Differential Equation
Sub. Code : 87761

Day and Date : Thursday, 22 - 06 - 2023

Total Marks : 80

Time : 10.30 a.m. to 01.30 p.m.

Instructions :
1) Question No. 1 is compulsory.
2) Solve any four questions from Q. No.2 to Q. No. 7.
3) Figures to the right indicate full marks.

Q1) Choose the correct alternative. [16]

a) After eliminating arbitrary constants, A and B from $z = Ae^{B^2 y} \cos Bx$ we get a _____.
   i) second order linear partial differential equation
   ii) second order non-linear partial differential equation
   iii) first order linear partial differential equation
   iv) first order non-linear partial differential equation

b) The solution of the partial equation $xzp + yzq = xy$ is _____.

   i) $\phi\left(x^2 - z^2, y^2 - 4z\right)$

   ii) $\phi\left(\dfrac{x}{y}, y^2 - z^2\right)$

   iii) $\phi\left(x^2 + z^2, y^2 + 4z\right)$

   iv) $\phi\left(\dfrac{x}{y}, xy - z^2\right)$

c) If the two first order partial differential equations $f(x, y, z, p, q) = 0$ and $g(x, y, z, p, q) = 0$ are compatible then _____.
   i) every solution of $f = 0$ is also the solution of $g = 0$.
   ii) every solution of $g = 0$ is also the solution of $f = 0$.
   iii) they have common solution.
   iv) they do not have common solution.

P.T.O.

d) The Wave equation is of _____.

     i)   parabolic type   ii)   hyperbolic type

     iii)   elliptic type   iv)   harmonic

e) The envelope of one parameter family of surfaces $x^2 + y^2 + (z - a)^2 = 1$, where a is a parameter is?

     i)   right circular cone   ii)   cylinder

     iii)   rectangle   iv)   plane parallel to xy-plane

f) In polar coordinates r, θ, the two-dimensional Laplace equation is given by _____

     i) $u_{rr} + \dfrac{1}{r^2} u_r - \dfrac{1}{r} u_{\theta\theta} = 0$ ii) $u_{rr} + \dfrac{1}{r^2} u_r + \dfrac{1}{r} u_{\theta} = 0$

     iii) $u_{rr} + \dfrac{1}{r} u_r + \dfrac{1}{r^2} u_{\theta\theta} = 0$ iv) $u_{rr} - \dfrac{1}{r^2} u_r + \dfrac{1}{2} u_{\theta\theta} = 0$

g) The solution of the Dirichiet problem is _____.

     i)   stable

     ii)   not unique

     iii)   always unique

     iv)   unique up to the addition of a constant

h) The partial differential equation $u + XYU_{yy} = 0$ is elliptic if _____.

     i) $x \neq 0; y > 0$ ii) $x < 0; y < 0$

     iii) $x > 0; y < 0$ iv) $x < 0; y > 0$

Q2) a) Find the partial differential equation corresponding to the equation $F\left(x+y, x-\sqrt{y}\right)=0$ where F is an arbitrary function. **[6]**

b) Show that the equations $f = p^2 + q^2 - 1 = 0$ and $g = (p^2 + q^2) x - pz$ are compatible. **[5]**

c) Find the general integral of $z(xp - yq) = x^2 - y^2$. **[5]**

Q3) a) Prove that a necessary and sufficient condition that the Pfaffian differential equation $\overline{X} \cdot dr = P(x, y, z)dx + Q(x, y, z)dy + R(x, y, z)dz = 0$ is integrable is that $\overline{X} \cdot curl(\overline{X}) = 0$. **[10]**

b) Show that $z = ax + \dfrac{a}{y} + b$ is a complete integral of $pq = 1$. Find the particular solution corresponding to the subfamily $b = a$. **[6]**

Q4) a) Find the complete integral of the partial differential equation **[5]**

$(p^2 + q^2) y - qz = 0$

b) Solve the equation $u_x x^2 - u_y^2 - au_z^2 = 0$ by Jacobi's method. **[5]**

c) Derive an equation governing small transverse vibrations of an elastic string. **[6]**

Q5) a) Reduce the equation $u_{xx} - x^2 u_{yy} = 0$ to a canonical form. **[6]**

b) Obtain d'Alembert's solution of the one-dimensional wave equation which describes the vibrations of a semi-infinite string. **[10]**

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Q6) a) Show that the solution μ(x, t) of the differential equation [8]

$u_t + ku_{xx} = F(x,t)\ 0 < x < l,\ t > 0$

satisfying the initial condition

$u(x,0) = f(x),\ 0 \le x \le l$

and the boundary condition

$u(0, t) = u(0, t) = 0,\ t \ge 0$ is unique.

b) Find the condition that a one parameter family of surfaces form a family of equipotential surfaces. [8]

Q7) a) State and prove Kelvin's Inversion Theorem [8]

b) Find the solution of the problem

$\nabla^2 u = 0, -\infty < x < \infty, y > 0,$

$u(x,0) = f(x), -\infty < x < \infty$

such that μ is bounded as $y \to \infty$ and u and u_x vanish as $|x| \to \infty$. [8]

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