

English (301)

1. Make a PPT on varied 'poetic devices.' Do mention their definitions citing examples from the poems and prose from the prescribed syllabus.

Note:

- i. Each poetic device to be prepared in different slide.
- ii. Minimum number of poetic devices to be dealt with should be 10.
- iii. For a particular poetic device, do cite examples from various poems/prose and also mention the name of the chapter in bracket.

2. Imagine that you have to organise a festival in your school to celebrate 153rd anniversary of Gandhiji. The objectives are to-

- ❖ create an awareness about Gandhiji
- ❖ follow Gandhian principles
- ❖ lay special emphasis on vasudhaiva kutumbakam

You plan to have at least 6 events, with rules, duration and other necessary details. Give interesting names to the events. Design a brochure for this festival (can do it on paper or digitally).

Or

Design a video game, with rules for participation, with the theme- Landmark events in Gandhiji's life. Write the rules for the game.

Or

You decide to have a food court with cuisine of places where Gandhiji had visited in a school carnival. Name any 5 places you would choose, with one recipe from each place. Design an advertisement for this food court.

Or

Design a school uniform with khadi, using Sohrai paintings, like Sabyasachi has used bandhini for a school uniform in Jaipur.

Or

After reading Gandhi's autobiography, write a poem on My experiment with truth

Or

Design a poster for a panel discussion on 'Relevance of Gandhian principles today'.

Or

Draw on the theme- 'The earth has enough for everyone's need but not for everyone's greed'.

Accountancy (055)

1. Sara, Sita and Meena were partners in a firm sharing profits and losses in the ratio of 2 : 2 : 1. Sara dies on 30th June, 2017, whereas the firm closes its books on 31st March every year. According to their Partnership Deed Sara's representatives would be entitled to get share in the interim profits of the firm calculated on sales basis. Sales and profit for the year 2016-17 were ₹ 6,00,000 and ₹ 1,80,000 respectively and sales in the year 2017-18, till the date of her death amounted to ₹ 1,20,000. You are required to:
 - a) Calculate Sara's share of interim profit.
 - b) Pass the necessary journal entry for giving Sara her share of interim profit.
2. On dissolution, how will you deal with partner's loan if it appears on the
 - a) assets side of the balance sheet,
 - b) liabilities side of balance sheet.

3. Pass Journal entries for following transactions on the dissolution of a firm of partners A and B, after various assets (other than cash) and outside liabilities have been transferred to Realisation Account
- A took 50% of the stock at a discount of 20%. Remaining stock was sold at a profit of 30% on cost. (Book value of stock given in the Balance Sheet before dissolution was Rs. 4,00,000)
 - Debtors Rs. 2,64,000. Provision for Doubtful Debts: Rs. 24,000, Rs. 48,000 of the book debts proved bad.
 - Building (Book value Rs. 5,00,000) sold for Rs. 8,00,000 through a broker who charged 2% commission.
 - Machinery (Book value Rs. 6,00,000) was given to a creditor at a discount of 20%.
4. Following was the Balance Sheet of A, B and C sharing profits and losses in the proportion of 6/14, 5/14 and 3/14 respectively:

Liabilities		Rs.	Assets		Rs.
Capital A/cs:			Land and Building		50,400
A	36,900		Furniture		7,350
B	33,600		Stock		29,400
C	19,800	90,300	Debtors		26,460
Creditors		18,900	Cash		1,890
Bills Payable		6,300			
		1,15,500			1,15,500

They agreed to take D into partnership and give him 1/8th share on the following terms:

- D should bring in Rs. 16,000 as his capital.
 - Furniture be reduced by Rs. 920.
 - Stock be reduced by 10%.
 - A provision of Rs. 1,320 be made for outstanding repair bills.
 - The value of Land and Building having appreciated be brought up to Rs. 65,100.
 - D should bring in Rs. 8,820 as his share of goodwill.
 - After making the above adjustments the Capital Accounts of the old partners (who continue to share in the same proportions as above) be adjusted on the basis of the proportions of D's Capital to his share in the business.
- Pass Journal entries to give effect to the above arrangements and prepare opening Balance Sheet of the firm as newly constituted.
5. Nav Lakshmi Ltd., issued a prospectus inviting applications for 50,000 shares of Rs 10 each. These shares were issued at par on the following terms:
On application Rs 3, on allotment Rs 4, on first call Rs 2, on final call the balance. Applications were made on the following basis:
To applicants for 10,000 shares in full.
To applicants for 20,000 shares-15,000 shares.
To applicants for 30,000 shares-25,000 shares.
All excess amount paid on application is to be adjusted against amount due on allotment.
The shares were fully called and paid-up except amounts of allotment, first and final call not paid by those who applied for 2,000 shares out of the group applying for 20,000 shares.
Pass necessary journal entries.

Business Studies (054)

- While performing financial function every manager takes three decision. Explain those decisions.
- 'Internal sources of recruitment are better than external sources of recruitment.' Do you agree with this statement? Give any two reasons in support of your answer.
- "There is no need of human resource planning as so many people are available in the market these days." Do you agree with this statement? Give reasons.
- What are the various types of leadership style? Explain.
- Principles of Taylor and Fayol are mutually complementary. One believed that, management should not close its ears to constructive suggestions made by the employees, while the other suggested that a good company should have a time or cost reduction and should be rewarded. Identify and explain the principles of Taylor and Fayol referred to in the above para.

Economics (030)

Case Based Questions

Read the following article and answer the questions given below:

The reserve bank of India unexpectedly cut its key deposit rate for these conditions in three weeks, to discourage banks from parking idle funds with it and spur lending instead, to revive a flagging economy amid the corona virus lockdown. This week, Prime Minister Narendra Modi extended until May 3 a lockdown of population of 1.3 billion as India's tally of infections exceeded 10000, despite the 3 week shut down order from March 24. The RBI cut its reverse repo rate by 25 basis points (bps) to 3.75 percent with immediate effect. Governor Shakti kanta Das told a video conference. The rate had already been cut by 90 bps on March 27. "The surplus liquidity in the banking system has risen significantly in the wake of government spending and the various liquidity enhancing measures undertaken by the RBI". He added. "In order to encourage banks to deploy these surplus funds in investments and loans in productive sectors of the economy, it has been decided to reduce the fixed-rate reverse repo rate".

1. The Reserve Bank of India lowered reverse repo rate to discourage banks from parking idle funds with ____ (RBI/Commercial Banks)
2. RBI's measure of reduction in reverse repo rate is done to enable commercial banks ____
 - a. To use the surplus funds for investment
 - b. To grant loans for productive purposes
 - c. To widen economic and financial land space
 - d. all of these
3. Reverse repo rate is ____ (increased/decreased) to correct excess demand
4. When reverse repo rate is reduced, it ____
 - a. Discourages the commercial banks to park their surplus funds with RBI
 - b. Encourages the commercial banks to park their surplus funds with RBI
 - c. Both (a) and (b)
 - d. Neither (a) nor (b)

Read the following article and answer the questions given below Public expenditure has a typical nature of its spending Government plans its annual spending first and then its financing is planned. Whatever excess of annual expenditure is found over annual financing is known as 'Revenue deficit'. Such a deficit does not create any borrowing burden upon the economy. But when Capital expenditure is in excess of Capital receipts, it creates the burden of borrowing upon the economic system. Technically it is known as fiscal deficit. A constant rise in fiscal deficit is worry some for Economists as it becomes inflationary and creates unequal distribution of income. Economists, therefore set a maximum limit of 3% of GDP as fiscal deficits for the developing countries. We must note that the borrowing requirement of the government includes interest obligation on accumulated debts. To obtain an estimate of borrowing on account of current expenditures exceeding revenues, we need to calculate what has been called the primary deficit. It is simply fiscal deficit minus interest payment. The main goal of calculating primary deficit is to focus on present fiscal-imbalances.

1. Which of following is the benefits of fiscal deficit
 - a) Creates inflationary pressure
 - b) Promotes capital formation
 - c) Creates borrowing burden
 - d) None of these
2. Primary deficit fiscal deficit is ____
3. What is present percentage of fiscal deficit in India?
4. Which of following is the demerit of fiscal deficit?
 - a. Inflationary
 - b. Creates inequalities of distribution of income
 - c. Promotes borrowing burden
 - d. All of these.

Entrepreneurship (066)

1. What is a Joint Stock Company? Write down the features.
2. Explain the concept of Break Even Point with double commodity. (With suitable example).

3. What is a Business Plan? What should a business plan cover?
4. Explain the following:
 - a. Elevator Pitch
 - b. A pitch desk with oral narrative
 - c. An internal operational plan
5. Explain the following:
 - a. Routing
 - b. Scheduling
 - c. Dispatching
 - d. Follow Up
 - e. Inspection
6. What do you understand by Budgeting? Discuss various types of budget.

Standard Maths (041)

1. Let $f : N \rightarrow N$ be defined as $f(x) = \begin{cases} \frac{x+1}{2} & \text{if } x \text{ is odd} \\ \frac{x}{2} & \text{if } x \text{ is even} \end{cases}, x \in N$. State whether function f is bijective
2. Let $f : \{2, 3, 4, 5\} \rightarrow \{3, 4, 5, 9\}$ and $g : \{3, 4, 5, 9\} \rightarrow \{7, 11, 15\}$ be two functions defined as : $f(2) = 3, f(3) = 4, f(4) = 5, f(5) = 9, g(3) = g(4) = 7$ and $g(5) = g(9) = 11$. Find $g \circ f(x)$
3. Find the value of $\tan \left[\frac{7\pi}{12} - 2 \sin^{-1} \left(\frac{1}{2} \right) \right]$
4. Simplify $\sin \left[\sec^{-1} \left(\frac{1+x^2}{1-x^2} \right) \right]$
5. If $A = \begin{bmatrix} 3 & -5 \\ -4 & 2 \end{bmatrix}$, show that $A^2 - 5A - 14I = 0$. Hence, find A^{-1}
6. Solve for x : $\begin{vmatrix} (x+3) & (x-1) \\ (x+2) & (3x-1) \end{vmatrix} = \begin{vmatrix} x & 1 \\ -17 & x \end{vmatrix}$
7. Using properties of determinants, show that $\Delta = \begin{vmatrix} b+c & a & a \\ b & c+a & b \\ c & c & a+b \end{vmatrix} = 4abc$
8. If matrix $A = \begin{bmatrix} 2 & 3 & 1 \\ 1 & 4 & 2 \\ 3 & 7 & 5 \end{bmatrix}$, find $(\text{adj } A)$
9. If $y = a \sin x + b \cos x$, prove that $y^2 + \left(\frac{dy}{dx} \right)^2 = a^2 + b^2$
10. If $y = \tan^{-1} \left(\frac{a}{x} \right) + \log \sqrt{\frac{x-a}{x+a}}$, prove that : $\frac{dy}{dx} = \frac{2a^3}{x^4 - a^4}$
11. The side of a square is increasing at the rate of 2 cm/sec, find out at what rate the perimeter, area and diagonal of the square of increasing with respect to time when length of the square is 25 cm ?
12. Verify Rolle's theorem for the function $f(x) = x^3 - 7x^2 + 16x - 12$ on $[2, 3]$
13. Verify LMV theorem for the function $f(x) = x^3 - 5x^2 - 3x$ on $[2, 3]$
14. Prove that the function given by $f(x) = x^3 - 6x^2 + 12x - 18$ is an increasing function on \mathbb{R}
15. Evaluate $\int (2^x + 3^x)^2 dx$
16. $\int (\tan^5 x) dx$

17. $\int \frac{(x+4)dx}{\sqrt{4-9x^2}}$

18. Change into partial fractions : $\frac{3x^2+5}{(x^2+4)(x^2+1)}$

19. $\int \frac{\cos x dx}{(1-\sin x)(2-\sin x)}$

20. $\int \frac{(\log x)dx}{(x+1)^2}$

Applied Maths (241)

1. What are the characteristics of index number?
2. Explain different types of index numbers.
3. Ms. Rajni deposited Rs. 10000 in a bank at 4% interest compounded continuously. How much amount will she get after 10 years? ($e^{0.4} = 1.49182$)
4. Assume that a spherical rain drop evaporates at a rate proportional to its surface area. If its radius originally is 3 mm and 1 hour later has been reduced to 2 mm, find an expression for the radius of the rain drop at any time.
5. A population grows at the rate of 2% per year. How long does it take for the population to double itself?

Physical Education (048)

1. Explain any three Rikli & Jones senior citizen fitness test.
2. Effects of exercise on muscular system.
3. Write down the classification of sports injury.

Painting (049)

1. Draw one watercolour landscape with your own imagination.
2. Write the contribution of Indian artists in the struggle for National Freedom Movement.

NOTE- Make your assignment in a decorated file.

HVM (034)

1. Write the notation of Drut Khayal in Rag Bageshri.
2. Write the taal notation of Dhamar taal with dugun, teegun, chaugun laykari.

