## S.Y.B.COM. SEMESTER - IV (REGULAR)NEW SYLLABUS (CBCS) <br> SEMESTER END EXAMINATION, APRIL - 2019 <br> Fundamentals of Investment

## DURATION: 2 HOURS Date: 13/04/2019 TIMING: 10:00 a.m. To 12:00 noon

 MAX.MARKS: 80INSTRUCTIONS: -

1) All questions are compulsory however internal choice is available.
2) Figures to right indicate full marks.
Q.1) Answer Any Four from the following.
i) What are security market indices? Explain any four indices.
ii) Explain call and put option with suitable example.
iii) What are the various sources of financial information.
iv) Write short note on Online Trading.
v) What is the impact of taxes and inflation on 'Returns'?
vi) Ms. Anju holds two securities in her stock portfolio, the details of which are as under:

| Security | Returns | Probability of <br> Occurrence |
| :--- | :--- | :--- |
| ONGC | $14 \%$ | 0.4 |
|  | $18 \%$ | 0.6 |
| HDFC Bank | $22 \%$ | 0.6 |
|  | $06 \%$ | 0.2 |

Ms. Anju has invested $30 \%$ of her investment funds in ONGC and $70 \%$ in HDFC bank stock. What is the expected rate of return on her stock portfolio?
Q.2) Answer Any Four from the following
i) Explain types of Bond risk.
ii) Explain any four benefits of credit rating.
iii) Write a short note on Industry life cycle.
iv) Explain any four points highlighting the role of SEBI in investor protection.
v) What are price patterns? Explain any two types of price patterns.
vi) What are the initiatives taken by SEBI for increasing investor awareness.
Q.3) A) Explain the investment decision process.
(12)

## OR

$\mathrm{X})$ Which are the various stock market participants?
Q.4) Answer either $\mathbf{A}$ and $\mathbf{B} \underline{\mathrm{OR}} \mathbf{X}$ and $\mathbf{Y}$
A) A bond of Rs. 1100 par value, bearing coupon of $10 \%$ has maturing of 7 years. What is the yield to maturity (YTM) of this bond if it is currently trading at Rs 1200 . (08)
B) Ankita holds an equity share which is expected to give dividend of Rs 12 at the end of one year. The expected selling price at the end of one year is Rs 130 . How much price should Ankita pay to buy this share today if her expected rate of return is $16 \%$ ?
(04)

## OR

X) Mr. Rocky holds a bond of face value of Rs 100 with coupon of $8 \%$. The bond has maturity of 5 years but is callable after 3 year. The bond is currently trading at Rs 90 in the market. Calculate yield to call (YTC) on this bond (08)
Y) Raoji intends to buy equity shares of Adaani group which is currently trading at Rs 108. He intends to hold the share for a period of 4 years after which he will sell the share. The share is expected to give dividend of Rs. 5, Rs 7, Rs 8 and Rs 9 at the end of $1^{\text {st }}, 2^{\text {nd }}, 3^{\text {rd }}$ and $4^{\text {th }}$ year respectively. Raoji expects to sell the share at Rs 160 at the end of the fourth year. Should he invest in Adaani group at current price of Rs. 108 if he expects to earn $15 \%$ returns
(04)
Q.5) A) What are derivatives? Explain forwards and futures.

## OR

X) What are Mutual Funds? Explain its types.
Q.6) A) What is Insider Trading? Explain insider trading regulations applicable in India (12)

## OR

B) What is investor awareness? Explain the role of stock exchange in investors awareness.
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## S.Y.B.COM. SEMESTER - IV (REGULAR)NEW SYLLABUS (CBCS) SEMESTER END EXAMINATION, APRIL - 2019 <br> Accounting For Service Organisations

DURATION: 2 HOURS
Date: 16/04/2019 TIMING: 10:00 a.m. to 12:00 noon MAX.MARKS: 80

INSTRUCTIONS: -

1) Question no. 1 is compulsory.
2) Answer any three questions from Q.No. 2 to Q.No. 6
3) Figures to the right indicate full marks.
4) Working notes to be part of answer wherever necessary.
Q.1) Prepare Revenue Account in proper form for the year ended $31^{\text {st }}$ march, 2018 from the following particulars related to ASO General Insurance Co. for the year ended 2017-18.
Marks)

| Particulars | Related to direct <br> Business | Related to <br> Reinsurance |
| :--- | ---: | ---: |
| Premium: | $6,00,000$ | 48,000 |
| Amount received | 36,000 | 4,800 |
| Receivable at beginning | 48,000 | 7,200 |
| Receivable at the end | - | 72,000 |
| Amount Paid | - | 6,000 |
| Payable at the <br> beginning | - |  |
| Payable at the end |  | 8,400 |
|  |  |  |


| Claims: |  |  |
| :--- | ---: | ---: |
| Amount paid | $3,60,000$ | 36,000 |
| Payable at the <br> beginning | 12,000 | 2,400 |
| Payable at the end | 24,000 | 3,600 |
| Amount recovered | - | 24,000 |
| Receivable at beginning | - | 3,600 |
| Receivable at the end | - | 2,400 |
|  |  |  |
| Commission |  |  |
| Amount paid |  | $2,14,400$ |

## Additional Information

1) Interest, dividend \& rent received Rs. 6000
2) Management expenses including Rs.2,400 related to legal expenses regarding claims Rs.26,400
3) Provision for income tax existing at the beginning of the year was Rs.39,000 the income tax actually paid during the year Rs. $33,600 \&$ the provision necessary at the end of the year Rs.41,400
4) The net premium of the company during the year 2016-17 was Rs.4,80,000 on which reserve for unexpired risk @ $50 \%$ \& the additional reserve @ 7.5\% was created. This year, the balance to be carried forward is $50 \%$ of net premium on reserve for unexpired risk \& 5\% on additional reserve . Q.2) A) Authorised capital of Reliance Ltd. was $2,50,000$ equity shares of Rs. 10 each . company issued $80 \%$ of shares at a premium of Rs. 2 per share which was entirely underwritten as follows:
(16 Marks)

| Kotak | $40 \%$ |
| :--- | ---: |
| Koteca | $30 \%$ |
| Thakkar | $20 \%$ |
| Ganatra | $10 \%$ |

Company received applications for $1,80,000$ equity shares including marked applications as below:

Kotak - 57,000 Shares
Koteca - 60,000 Shares
Thakkar - 22,000 Shares
Ganatra - 21,000 Shares
Underwriters are entitled to get $8 \%$ commission on face value.

From the above information find out the liability of underwriters \& give journal entries in the books of Reliance Ltd.
B) Write short notes on:
(2 $\times 2=4$ Marks $)$
a) Firm underwriting
b) Marked Application.
Q.3) A) From the following figures taken from the books of New Goa Insurance Ltd . you are required to prepare Balance sheet as on $31^{\text {st }}$ march 2018 along with relevant schedules.
(16 Marks)

| Particulars | Rs. | Particulars. | Rs. |
| :--- | ---: | :--- | ---: |
| Fire Funds as on 1.4.2017 | $6,20,000$ | Share Capital | $6,00,000$ |
| General Reserve | $3,00,000$ | Additional Reserve | $2,20,000$ |
| Investments | $20,00,000$ | Profit \&loss A/c <br> $(1 / 4 / 2017$ | 50,000 |
| Premium | $18,01,022$ | Re insurance Premium | 75,017 |
| Claim paid | $4,01,877$ | Claims recovered from | 14,079 |
| Commission on <br> Re - insurance ceded | 32,011 | reinsurers | Rents |
| Commission on Direct <br> business | $1,99,777$ | Income from investment | $1,00,000$ |
| Commission on re <br> insurance Accepted | 40,100 | Share Transfer fees | 2,000 |
|  | Loans (Dr) | $4,00,000$ |  |
| Outstanding Premiums | 14,865 | Sundry Creditors | 15,000 |
| Claim intimated but <br> not paid (1/4/2017) | 40,000 | Agent Balance s (Dr) | $1,80,000$ |
|  |  | Cash in hand | 20,155 |
| Expenses of <br> Management | $2,87,965$ | Cash at bank | $1,01,487$ |
| Audit fees | 12,000 | Profit \&loss A/c Bal |  |
| Directors fees | 12,000 | as on 31/03/2018 | $2,35,705$ |
| Rates \& taxes | 3,869 |  |  |

## Additional Information:

1) Income tax to be provided - Rs. $2,50,000$
2) Transfers to General Reserve - RS. $1,00,000$
3) Proposed dividend - $12 \%$
4) Claims intimated but not paid as on $31 / 3 / 2018$ Rs. 60,800
5) Provide reserve for unexpired risk Rs.8,63,002 as on $31^{\text {st }}$ march 2018.
B) Write short notes on:

## Marks)

a) Reinsurance
b) Commission on reinsurance accepted \& ceded
Q. 4) From the following information prepare the profit \& loss account of HDFC Bank Ltd .

For the year ended $31^{\text {st }}$ March 2018 \& necessary schedules.
(20Marks)

| Particulars | Rs. | Particulars | Rs. |
| :--- | ---: | :--- | :---: |
| Interest \& discounts | $2,30,00,000$ | Directors fees allowances <br> \& expenses | $12,00,000$ |
| Income of investment | $20,00,000$ | $10,00,000$ | Auditors fees \& allowances |
| Interest with balance <br> with RBI | $80,00,000$ | Law charges | $5,00,000$ |
| Commission, exchanges <br> brokerage received | $10,00,000$ | Postage, Telegrams, <br> Telephones | $2,00,000$ |
| Profit on sale of <br> investment | $65,00,000$ | Repairs \& Maintenance | $7,00,000$ |
| Interest on deposits | $15,00,000$ | Insurance | $1,00,000$ |
| Interest on Borrowings <br> from RBI | $70,00,000$ | Profit \& loss A/c balance on <br> $01-04-2017$ | $15,00,000$ |
| Payment to employees | $20,00,000$ |  |  |
| Rent, Taxes \& Lighting | $6,00,000$ |  |  |
| Printing \& stationary | $4,00,000$ |  |  |
|  <br> Publicity |  |  |  |
| Depreciation on banks <br> property | 15,000 |  |  |

## Other information:

a) Provide for bad \& doubtful debts Rs. $6,00,000$
b) Make provision for income tax Rs. $10,00,000$
c) Provide for rebate on bills discounted Rs. 4,00,000
d) Directors have proposed a dividend of Rs. 20,00,000
e) $25 \%$ of the Profit is to be transferred to statutory reserve.
Q.5) A) Shruti \& Pratiksha are the partners of Molyma Hotel. Their Balance sheet as on 01/04/2017 was as given below
(16Marks)

## Molyma Hotel

Balance sheet

| Particulars | Rs. | Particulars. | Rs. |
| :--- | ---: | :--- | ---: |
| Capital Accounts: |  | Leasehold Premises | $1,40,000$ |
| Shruti | $1,35,000$ | Restaurant furniture | 55,000 |
| Pratiksha | $1,00,000$ | Kitchen plant | 35,000 |
| Pratiksha's current A/c | 2,500 | Stock | 6500 |
| Creditors | 12,000 | Debtors | 1,500 |


| Outstanding expenses: | 500 | Shruti's current A/c | 1,000 |
| :--- | ---: | :--- | ---: |
| Gas | 800 | Cash at bank | 200 |
| Advertising | 1,200 |  | 12,800 |
| Repairs | $\mathbf{2 , 5 2 , 0 0 0}$ |  |  |
|  | $\mathbf{2 , 5 2 , 0 0 0}$ |  |  |

Cash Transactions
For the year ended $31^{\text {st }}$ March 2018

| Particulars | Amount | Particulars | Amount |
| :--- | ---: | :--- | ---: |
| Balance bld | 12,800 | Cash purchases | 52,500 |
| Debtors | 22,000 | Creditors | $1,00,500$ |
| Cash sales | $2,83,000$ | Wages \& Salaries | 94500 |
| Shruti's current A/c | 1,000 | Repairs \& Renewals | 5700 |
|  |  | Gas \& Electricity | 6,300 |
|  |  | Rates | 4,200 |
|  |  | Advertising | 3,100 |
|  |  | Salaries |  |
|  |  | Shruti | 15,000 |
|  |  | Pratiksha | 10,000 |
|  | Balance C/d | 27,000 |  |
|  | $\mathbf{3 , 1 8 , 8 0 0}$ |  | $\mathbf{3 , 1 8 , 8 0 0}$ |

Prepare Trading \& Profit \& loss Account for the year ended $31^{\text {st }}$ March 2018 \& Balance sheet as on that date after taking into account.
01.) Stock on $31^{\text {st }}$ March 2018 Rs 5,500
02.) Creditors Rs 11,000
03.) Debtors Rs 2,000
04.) Accrued gas Rs 600
05.) Rates paid in advance Rs 250
06.) Repairs paid in advance 1000
07.) Provide depreciation
a) Leasehold premises Rs 7500
b) Restaurant Furniture 10\%
c) Kitchen plant $10 \%$
08) Partnership agreement provides
a) Salary to partner Pratiksha Rs 5,000
f) Profit \& loss shared equally.
B) What is visitors ledger? What are the contents of visitors ledger?(4 Marks)
Q. 6) A) From the following balances prepare Balance sheet of Maharashtra Bank

Ltd. As on $31^{\text {st }}$ March 2018

| Particulars | Rs | Particulars | Rs |
| :--- | ---: | :--- | :---: |
| Equity share capital | $10,00,000$ | Premises | $12,50,000$ |
| Appropriation to <br> statutory reserve | $2,00,000$ | Statutory reserve | $5,00,000$ |
|  |  | Profit \& loss Account bal. | $7,00,000$ |
| Capital reserve | $2,00,000$ | Demand deposits | $12,00,000$ |
| Saving bank deposits | $14,00,000$ | Term Deposits | $10,00,000$ |
| Borrowings from RBI | $12,00,000$ | Borrowings from others <br> banks | $52,70,000$ |
| Bills payable | $15,00,000$ | Inter office adjustments <br> (cr) | $7,00,000$ |
| Cash in hand | $7,00,000$ | Balance with RBI | $12,70,000$ |
| Money at call \& short <br> notice | $22,50,000$ | Ban |  |
| Investment in shares | $22,50,000$ | Investment in Govt. | $14,00,000$ |
| Overdrafts | $15,00,000$ | securities | $17,50,000$ |
| Term loans | $25,00,000$ | Cash credits |  |

## Additional information:

1) Bills for collection Rs. 2, 20,000
2) Claims against the banks not acknowledged as debts Rs $4,80,000$
B) Describe the different types of loans granted by the banks.
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! THE END !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

# S.Y.B.COM. SEMESTER - IV (REGULAR) NEW SYLLABUS (CBCS) SEMESTER END EXAMINATION, APRIL - 2019 <br> <br> Income Tax (Direct Tax) 

 <br> <br> Income Tax (Direct Tax)}

## DURATION: 2 HOURS Date: 18/04/2019 TIMING: 10:00 a.m. to 12:00 noon MAX.MARKS: 80

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INSTRUCTIONS: - 1) Question No. 1 is compulsory
2) Answer any 3 Questions from Q. No. 2 to Q. No. 6
3) Figures to the right indicate full marks
4) Working notes should form part of the answer.
Q.1) A) Mr. Manohar an American Citizen but of Indian Origin came to India on $1^{\text {st }} \quad$ November 2010 for the first time. His total stay in India was as under. (5 Marks)

| Previous years | Number of days |
| :--- | :--- |
| $2012-13$ | 70 |
| $2013-14$ | 195 |
| $2014-15$ | 60 |
| $2015-16$ | 21 |
| $2016-17$ | 30 |

He informs you that, he came on a visit to India from ${ }^{\text {st }}$ April 2017 to $30^{\text {th }}$ June 2017. Determine his Residential Status for the Assessment year 2018 19.
B) Miss Saili is posted as a Senior Executive of Reliance Jio Company in Goa. She provides the following particulars for the Assessment year 2018 19. (5 Marks)

* Basic Salary Rs 80,000 per month
* Dearness Allowance Rs 52,000 per month
* House Rent Allowance (HRA) Rs 30,000 per month.
* Advance Salary Rs 4,00,000 taken to meet the expenses of her wedding.

She paid rent of Rs 19,000 per month for a house at Anjuna from ${ }^{\text {st }}$ May 2017 to $31^{\text {st }}$ December 2017. There after she got married to her boss and started staying with him. Dearness Allowance is considered for calculation of all retirement benefits. Compute amount of her taxable HRA for the Assessment year 2018 19.
C) Mr Moksh, a businessman, provides the following details relating to his Plant and

Machinery Account (one block of Asset) for the previous year 2017-18. Marks)

1) W.D.V. of the block on $01 / 04 / 2017$ Rs $8,00,000 /-$
2) Purchase and installation of machinery on $30 / 06 / 2017$ Rs $2,00,000 /-$
3) Purchase and installation of additional machinery on $31 / 12 / 2017$ Rs 1,00,000/-
4) Sale of machinery on $05 / 01 / 2018$ (cost to Rs $8,00,000$ ) Rs $6,00,000 /-$
5) Admissible rate of depreciation on the block $25 \%$

Compute the amount of Depreciation admissible for the block for the Assessment year 2018-19.
D) Mr. Hasan is engaged in the business of carriage of goods. On 01/04/2017, he owned 10 trucks (6 out of which are heavy goods vehicles). On 10/05/2017 he sold one of the heavy goods vehicle. One light goods vehicle was purchased on 14/05/2017 and was put to use from 20/06/2017. Determine his estimated income U/S 44 AE for the Assessment year 2018-19. (5 Marks)
Q.2) Mrs. Sundari (55 years) a Resident Individual is employed as Manager in Diamond Company Ltd. (Private company) where she received the following perquisites and salary during the Assement year 2018-19. (20 Marks)
-- Salary (Basic) Rs 6, 00,000/-
-- D.A. Rs 20,000 per month
-- Bonus received 2 months of basic pay
-- Commission $\quad 0.1 \%$ of the turnover (Turnover Rs. $15,00,00,000$ )
-- Employer's contribution to Recognized Provident Fund Rs. 3, 00,000.
-- Interest credited to Recognized Provident Fund Rs. 60,000 (at 10.5\%)
-- Entertainment Allowance Rs. 40,000 (Amount spent Rs. 3,000 per month)
-- Transport Allowances Rs 1,500 p.m. (Amount actually spent 50\%)
-- Children hostel expenditure allowance Rs 350 p.m. per child for 3 children. Her investment and expenses during the year were as follows:

1) She paid Medical Insurance Premium on health of her husband (58 years old) Rs 15,000 , on her own health Rs 13,000 and on health of dependent mother ( 68 years old) Rs 20,000 by cheque.
2) She paid LIC premium on own life Rs $36,000 /-$
3) During the year Mrs. Sundari took educational loan from State Bank of India towards the studies of her son perusing MBA at Goa University. Interest paid Rs 48,000. compute her Total Taxable Income and Tax Payable for the Assessment Year 2018-19.
Q.3) Mrs. Swati Desai (aged 66 years) a Resident Individual provides the following Profit and Loss Account of her proprietary business for the year ending $31^{\text {st }}$ March 2018. (20 Marks)

| Particulars | Amount (Rs) | Particular | Amount (Rs) |
| :--- | :---: | :--- | :---: |
| To Opening stock | 55,000 | By Sales | $55,00,000$ |
| To Purchases | $41,47,000$ | By Closing stock | 90,000 |
| To Freight | 40,450 | By Agricultural <br> Income | 60,000 |
| To Salaries | $1,15,000$ | By Interest on <br> Securities | 4,000 |
| To Telephone expenses | 60,400 | By Dividend from <br> Indian Company | 15,000 |
| To Drawings | 50,000 |  |  |
| To Discount | 30,200 |  |  |
| To Advertisement expenses | 10,800 |  |  |
| To Sundry expenses | 47,600 |  |  |
| To Audit fees | 40,000 |  |  |
| To Motor car expenses <br> (Business) | 5000 |  |  |
| To Donations | 32,400 |  |  |
| To GST paid | 9,000 |  |  |
| To Advance Income Tax | 10,700 |  | $\mathbf{5 6 , 6 9 , 0 0 0}$ |
| To Diwali expenses | 50,000 |  |  |
| To Reserve for Doubtful <br> debts | $9,71,800$ |  |  |
| To Depreciation on fixed <br> assets | $\mathbf{5 6 , 6 9 , 0 0 0}$ |  |  |
| To Net profit |  |  |  |

Additional Information:
1.) Closing stock as on $31 / 03 / 2017$ has been valued at $10 \%$ below cost.
2.) Purchases included a bill of Rs 20,000 paid in cash to the supplier.
3.) Diwali expenses include Rs 2,500 spent to purchase a bicycle for her son.
4.) Advertisement includes an advertisement of Rs 2,500 in a political party's Brochure.
5.) Depreciation allowable as per Income Tax rules Rs 58,650/-
6.) Half of telephone charges are related to business.
7.) Donation paid to Swach Bharat Kosh.
8.) She deposited Rs $1,60,000$ Fixed Deposit under Tax Saving Scheme Compute her Total Taxable Income and Tax Liability for the Assessment Year 2018-19
Q.4) Answer any four of the following in relation to the Income Tax Act. (20 Marks)
a) Definition of Company.
b) Scope of Total Income U/S 5, in case of an Individual.
c) Salary U/S 17(1)
d) Basic of charge U/S 28.
e) Deduction available U/S 80 E .
Q.5) Answer any four of the following in relation to Income Tax Act. (20 Marks)
a) Gross Total Income U/S 80 (B)(5).
b) Define 'Perquisite' U/S 17 (2).
c) Deductions from Salary U/S 16
d) Interest on borrowed capital U/S 36 (1) (iii).
e) Deduction available U/S 80 U
Q.6) Answer any four of the following in relation to the Income Tax Act. (20 Marks)
a) Exemption in respect of Gratuity U/S 10(10).
b) Profit in lieu of Salary U/S 17 (3)
c) What are the provisions for computation of Income U/S 44 AD.
d) Explain the Income Tax rates for a Resident Super Senior Citizen for the A.Y.

2018-19
e) Deduction U/S 80 D.

# S.Y.B.COM. SEMESTER - IV (REGULAR) NEW SYLLABUS (CBCS) <br> SEMESTER END EXAMINATION, APRIL - 2019 <br> Business Statistics II 

DURATION: 2 HOURS DATE: 26/04/2019 TIMING: 10:00 a.m. to 12:00 noon. Marks: 80
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INSTRUCTIONS:-

1) All questions are compulsory, however internal choice is available.
2) Figures to the right indicate maximum marks.
3) Calculators are allowed.
Q.1) (a) Define the term "Scatter diagram." Draw scatter diagram for positive correlation. (3 Marks)
(b) The probability that a women doesn't know swimming is $2 / 5$ out of 5 women considered, what is the probability that : ( 6 Marks)
(i) 4 known's swimming.
(ii) At list 1 person knows swimming.
(c) Calculate karl persons co efficient of correlation from the following data and comment on it.
(7 Marks)

| X | 6 | 8 | 12 | 15 | 18 | 20 | 24 | 28 | 31 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Y | 10 | 12 | 15 | 15 | 18 | 25 | 22 | 26 | 28 |
| OR |  |  |  |  |  |  |  |  |  |

Q1. (X) Define the term correlation. What are the methods use to study the correlation between two variables
(3 Marks)
(y) The mean of the Binomial distribution is 20 and standard deviation $=4$. Calculate value of $n, p, q$.
(3 Marks)
(z) For the data $\sum \mathrm{x}=55 \sum \mathrm{y}=39 \sum \mathrm{xy}=361$ $\sum x^{2}=485 \sum y^{2}=301 \mathrm{n}=7$. Find karl pearsons are efficient of correlation.
(7 Marks)
Q. 2 (a) Two dice are rolled simultaneously. Write the sample space for the same
(3 Marks)
(b) Find regression of X on Y given the following data.

Also estimate X when $\mathrm{Y}=9$
(c) A sample of size 100 was taken and sample mean was found to be 32 . if variance of sample is 25 . Test hypothesis using $5 \%$ level of significances whether the sample taken from population with mean 35.
(7 Marks)

## OR

(x) Define
(3 Marks)
(1) Sample space
(2) Independent event
(3) Probability
(y) For data given find salary when service is 12 years using regression line (6 Marks)

| Service X | 1 | 2 | 3 | 5 | 8 | 12 | 15 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Service Y | 16 | 18 | 21 | 23 | 26 | 29 | 31 |

(z) It is found that from random sample of 800 girls from college 435 are studious girls. Can we conclude that majority of girls are studious? use $1 \%$ level of significance.
(7 Marks)
Q.3(a) Write short note on stratified random sampling.
(3 Marks)
(b) A dice is thrown with no 1 to 6 . What is the chance of getting nos. ( 6 Marks)
(1) Odd no or no divisible by 3 .
(2) Odd no or no less than 5 .
(c) Marks accord by 1000 candidate in certain exam are normally distributed with mean $=500$ S.D $=100$, obtain No of candidates having
(1) Marks bet 400 and 600
(2) Less than 400
(3) More than 400
(Area bet 0 to $1=0.3413$ )

## OR

(x) Write down any 4 sampling methods using in statistical survey.
(3 Marks)
(y) A box contains 36 tickets No 1 to 36.1 ticket drawn at random. Find probability the
(1) No on tickets is divisible by 3 or perfect square.
(2) No on tickets is divisible by 2 or perfect square. ( 6 Marks)
(z) Weekly wages of 1000 workers are normally distributed with mean $=70$ and S.D=25. Find No. of workers with
(1) Wages less than 72
(2) More than 72
(3) Bet 70 and 72
(Area bet 0 to $0.4=0.1554$ )
Q.4) (a) Write formulas for
(1) Binomial Distribution
(2) Poisson Distribution
(3) Normal Distribution
(b) Calculate Rank correlation coefficient for following data and hence comment.
(6 Marks)

| Judge 1 | 2 | 1 | 4 | 6 | 3 | 7 | 6 | 5 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Judge 2 | 2 | 1 | 3 | 7 | 4 | 8 | 5 | 6 |

(c) Find the missing value using binomial expansion method.
(7 Marks)

| $X$ | 4 | 5 | 6 | 7 |
| :--- | :--- | :---: | :---: | :---: |
| Fx | 48 | $X$ | 294 | 900 |

## OR

(x) Find mathematical Expectation of following
(3 Marks)

| X | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $(\mathrm{x})$ | 4 | 6 | 8 | 10 | 12 | 14 | 16 | 18 |

(y) Calculate Rank correlation coefficient for following data and comment.
(6 Marks)

| Marks 1 | 35 | 37 | 38 | 42 | 44 | 46 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| Marks 2 | 40 | 32 | 34 | 42 | 41 | 31 |

(z) Prepare a difference table for the following data.

$$
f_{1}=4 \quad f_{2}=7 \quad f_{3}=18 \quad f_{4}=43 \quad f_{5}=88 \quad f_{6}=92 \quad f_{7}=104 \quad f_{8}=120
$$

(7 Marks)
Q.5) (a) No. of complaints received by super market is random variable having

Poisson distribution where $\mathrm{m}=3.3$ find probability of exactly 2 complaints are given on $\quad$ day. $\quad\left(e^{-3.33}=0.037\right) \quad$ ( $\mathbf{3}$ Marks)
(b) From following data obtain find

| X | 5 | 10 | 15 | 20 |
| :--- | :--- | :--- | :--- | :--- |

$\begin{array}{lllll}\text { Fx } & 9.6 & 12.9 & 17.1 & 23.2\end{array}$
(c) A bag contains 4 Red and 5 Black colored pens. 3 pens are drawn at random Without replacement find probability of getting
(7 Marks)
(1) 3 pens of same colour
(2) Alternate colours

## OR

(x) Find mean values of X and Y
(3 Marks)

$$
\begin{aligned}
\mathrm{X}-2 \mathrm{y}+50 & =0 \\
2 \mathrm{X}-3 \mathrm{y}+10 & =0
\end{aligned}
$$

(y) For the data given below, obtain the form of polynomial function that can be best fitted. Hence interpolate $f_{5}$ and extrapolate $f_{10}$
(6 Marks)

| X | 1 | 3 | 4 | 8 |
| :--- | :--- | :--- | :--- | :--- |
| Fx | 9.6 | 15.1 | 17.2 | 30.1 |

(z) Person A can hit the ball on target in 3 times in 5 shots. B can hit 2 times in 5 shots and C in 3 times in 4 shorts.
(7 Marks)
(a) Find probability all persons that hitting the target.
(b) At least 1 person will hit the ball.

## !!!!!!!!!!!!!!!!!!! THE END !!!!!!!!!!!!!!!!!!!!!!!

## S.Y.B.COM. SEMESTER - IV (REGULAR)NEW SYLLABUS (CBCS) SEMESTER END EXAMINATION, APRIL - 2019 <br> Business Environment-II

## DURATION: 2 hours DATE: 26/04/2019 at $\mathbf{1 0 . 0 0}$ a.m. to $\mathbf{1 2 . 0 0}$ noon MAX. MARKS: 80

INSTRUCTIONS: i) All the question are compulsory, however internal choice is available
ii) Figures to the right indicate full marks.

Q1) Answer any four of the following . .
(4X4=16)
a) Characteristic of socialist Economy.
b) Objectives of Fiscal policy.
c) Short note on EXIM policy.
d) Write in brief types of economic system.
e) Write a case study on RTI Act 2005.
f) What are Penalty Provisions under RTI.

Q2) Answer any four of the following question.
(4X4=16)
a) Write a short note on foreign Capital.
b) Features of globalization.
c) Case study on CSR in Goa.
d) Environmental issues in Goan industries
e) Functions of GCCI.
f) Explain in brief features of Privatisation

Q3) A) State \& Explain the Components of economic Environment of Business. (12)
B) Discuss the types of Economic Policies adopted by government to achieve economic objectives
04) A) Explain in detail Components of legal environment of business. 12)
B) 1. Define consumer Protection Act 1986 and State its objectives.
2. Define environment Protection Act 1986 \& State its features .

Q5) A) Describe the Merits and Demerits of setting up MNC,S in Goa.
OR
B) Explain in details features of New Industrial policy of 1991.

Q6) A) Discuss the Role of Government in Business.
(12)

OR
B) What is Local Self government? and Discuss the features and Activities of local Self government.

# S.Y.B.COM. SEMESTER - IV (REGULAR) (CBCS) NEW SYLLABUS <br> SEMESTER END EXAMINATION, APRIL - 2019 <br> Practices in Rural Marketing 

DURATION: 2 HOURS DATE: 26/04/2019 TIMING: 10:00 a.m. to 12:00 noon MAX.MARKS: 80
INSTRUCTIONS: - 1) All questions are compulsory, however internal choice is available.
2) Figures to the right indicate maximum marks.
Q.I) Answer Any Four of the following.
$(4 X 4=16)$

1) Indirect Distribution Channels.
2) $E$ - Distribution .
3) Role of wholesaler in Rural Marketing.
4) Media mix for Rural Market.
5) Social Advertisement.
6) Urban V/S Rural Marketing.
Q.II) Answer Any Four of the following.
$(4 \mathrm{X} 4=16)$
7) Difference between agriculture Goods and Manufactured Goods
8) Features of Regulated market.
9) State Agricultural Marketing Boards.
10) Call Planning.
11) Problems faced in marketing Agricultural Goods.
12) Role of Rural Sales person.
Q.III) i) State \& explain the methods of Physical Distribution in Rural Market.

OR
ii) Explain the problems of physical Distribution.
Q.IV) i) Explain the Informal organised Media in Rural Communication.

OR
ii) Explain the constant in Marketing Communication in Rural Context.
Q.V) i) State \& Explain the qualities of successful Rural sales person.

OR
ii) Explain the problems faced by sales person in Rural Market.
Q.VI) i) Discuss the Role of Govt. in marketing Agriculture Goods
ii) Explain the Role of Agriculture marketing in economic Development

# S.Y.B.COM. SEMESTER - IV (REGULAR)NEW SYLLABUS (CBCS) <br> SEMESTER END EXAMINATION, APRIL - 2019 <br> Companies Act \& IPR Laws 

## DURATION: 2 HOURS DATE: 27/04/2019 TIMING: 10:00 a.m. to 12:00 noon MAX.MARKS: 60

*******************************************************************
INSTRUCTIONS: - 1) All questions are compulsory, however internal choice is available.
2) Figures to the right indicate maximum marks.
Q.1) Write Short notes on Any Three of the following.
$(4 \times 3=12)$
a) Define Memorandum.
b) Mention kinds of Companies.
c) State characteristics of company.
d) Explain Management of companies.
e) Distinguish between Managing director and Manager.
Q.2) Write short note on Any Three of the following. (4X3 = 12)
a) Define Auditor.
b) Mention ways of removal of Auditor.
c) State provision relation to Books of Accounts.
d) Explain Patentable Invention.
e) Distinguish between Colour Trade Mark and Sound Trade Mark.
Q.3) A) State Memorandum of Association; its form and contents.

OR
B) Explain Management of companies; it's Appointment of Directors.
Q.4) A) State an Appointment of Auditor; it's Qualifications.

## OR

B) Explain Copyright Act 1957; its objective, characteristics and term of copyright.
Q.5) A) Illustrate Regulatory framework of companies. State company meetings and its kinds.

## OR

B) Illustrate concept, modes of winding up.

Explain specification under patent Act and its kinds.

# SEMESTER END EXAMINATION, APRIL -2019 <br> COLLECTIVE BARGANING \& NEGOTIATION SKILLS 

DURATION: 2 HOURS DATE:27/04/2019 TIMING: 10:00 a.m. to 12:00 p.m. MAX.MARKS: 80

INSTRUCTIONS: - 1) All questions are compulsory, however internal choice is Available.
2) Figure to the right indicate full marks.
Q.1) Write short note on Any four of the following
a) Characteristic of collective Bargaining.
b) Behavioral Theory of Labour Negotiation.
c) Pre-requisites of Collective Bargaining.
d) Collective Bargaining practices in India.
e) Hicks Bargaining model.
f) Difficulties in Bargaining Process.
Q.2) Answer any four of the following.
a) Distinguish between Bargaining \& Negotiation.
b) Impact of grievance on employees and management.
c) Features of Negotiations.
d) Causes of grievance.
e) Skill required for negotiation.
f) Approaches to negotiation Process.
Q.3) A) State \& Explain the forms of collective Bargaining.

## OR

B) Explain the Critical issues in collective Bargaining.
Q.4)A) Explain in details levels of collective Bargaining
(12)

## OR

B) What is the procedure to be followed for collective Bargaining in India.
Q.5) A)Discuss steps required to be taken to prepare for your next negotation

## OR

B) State \& explain the stages of Negotiation Process.
Q.6) A) Explain the recent trend of collective Bargaining in India.
(12)

OR
B) Discuss Collective Bargaining and emerging Scenario.
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S.Y.B.COM. SEMESTER - IV (CBCS)SEMESTER END EXAMINATION, APRIL - 2019
COMPUTER APPLICATIONS FOR BUSINESS
DURATION: 1and 1/2 HOURS TIMING: 10:00 a.m. to 11:30 a.m.
Q. 1 Answer the following question
A) Write short notes on (i) Electronic Data Interchange (EDI) (ii) Digital signature $\quad(\mathbf{5}+\mathbf{5}=\mathbf{1 0})$
B) Discuss the various models of e-commerce.

## OR

X) What is e-retailing? Explain the popularity and benefits of e-retailing.
Y) Explain e-commerce application in online travel services.
Q. 2 Answer the following question
A) What is database? How to apply DBMS in accounting.
X) Explain record, attribute, primary key with suitable example. Explain the utility of report in DBMS.
Q.3) Answer the following question
A) What is ERP? Explain advantages and disadvantages of ERP.

## OR

X) Explain the role of ERP in material management.
(6)
Q.4) Answer the following question
A) Write a note on security dimension of E-commerce.
OR
X) Write short note on: i) Hacking ii) Cyber vandalism.

# S.Y.B.COM. SEMESTER - IV (REGULAR) NEW SYLLABUS (CBCS) SEMESTER END EXAMINATION, APRIL - 2019 <br> <br> Indian Economy 

 <br> <br> Indian Economy}

DURATION: 2 HOURS Date: 30/04/2019 TIMING: 10:00 a.m. to 12:00 noon Max Marks: 80

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INSTRUCTIONS:-

1) All questions are compulsory, however internal choice is available.
2) Figures to the right indicate maximum marks.

Q1) Answer any four of the following in brief:(4X4=16).
i) Write a short note on economic growth.
ii) Briefly explain the concept of Human Development Index.
iii) Write a short note on Nehru-Mahalanobis model of industrial growth.
iv) Discuss in brief the policies for agriculture and rural development.
v) Give any two points of impact of New Industrial Policy 1991.
vi) Write a short note on experience of growth in the different phases of growth and policy regimes.

Q2) Answer any four of the following in brief:-
(4X4=16).
i) What is Demographic Dividend?
ii) Write a note on composition of National Income.
iii) Give any four challenges faced by Micro, Small and Medium industries.
iv) Explain any one agreement of World Trade Organization.
v) Discuss the concept of Minimum support price.
vi) Write a short note on Farmers suicides.

Q3.) A) Discuss any six factors determining economic development.
(12 Marks)

## OR

Q.3) B) Discuss any six characteristics of under developed countries.
(12 Marks)
Q.4) A) Comment on poverty, inflation and unemployment as features of Indian economy.
(12 Marks)

## OR

Q.4) B) Explain the concept of gender composition and the issue of missing women in India. (12 Marks)
Q.5) A) Explain any four achievements of economic planning in India.

## OR

Q.5) B) Discuss the Industrial policy Resolution 1956 (any four)

Q6.) A) Explain the present structure of industry in the Indian Economy. (any six points) (12 Marks)

## OR

Q.6) B) Discuss the Export-Import policies of Government of India.

# S.Y.B.COM. SEMESTER - II (REGULAR) NEW SYLLABUS (CBCS) SEMESTER END EXAMINATION, APRIL - 2018 <br> <br> Compensation Management 

 <br> <br> Compensation Management}

## DURATION: 2 HOURS DATE: 30/04/2019 TIMING: 10:00 a.m. to 12:00 noon MAX.MARKS: 80

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INSTRUCTIONS: - 1) All questions are compulsory, however internal choice is available.
2) Figures to the right indicate maximum marks.
Q.I) Write Short notes on Any Four of the following.

$$
(4 X 4=16)
$$

i) Concepts of compensation and its objectives.
ii) Performance evaluation and its features.
iii) Executive compensation.
iv) Features of job evaluation.
v) Profit sharing scheme.
vi) Types of fringe benefits.
Q.II) Answer any Any Four of the following. (4X4 = 16)
i) Retirement benefit.
ii) International compensation.
iii) Methods of individual internal plan.
iv) Compensation strategy and its key components.
v) Work man compensation Act 1923.
vi) Bonus Act 1965 .
Q.III) i) Explain the principals of compensation management.

## OR

ii) Explain the theories of compensation.
Q.IV) i) Explain the components of International Compensation.

## OR

ii) Explain the Approaches of International Compensation.
Q.V) i) Explain payment of Gratuity Act 1972 and explain state insurance Act 1948.
(12)

## OR

ii) Explain payment of wages Act 1936 and minimum wages Act 1948.
Q.VI) i) Discuss the procedure to calculate payroll.

## OR

ii) From the following particulars, compute the salary of Mr. Ram for the financial year 2018-2019.
i) Basic salary 15,000 (in month of Sept. there was an increment in basic pay by Rs 1000)
ii) DA to be paid @ $15 \%$ of basic salary.
iii) HRA to be paid @ $12 \%$ of basic salary.
iv) TA shall be paid @ Rs 800 per month if the basic salary is less than 15,000 pm.
v) Contribution for LIC Rs 1000 for every month. The worksheet should be generalized to the extent possible. Also compute total for all the components of salary.

## !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! THE END!!!!!!!!!!!!!!!!!!!!!!!!!!

# S.Y.B.COM. SEMESTER - II (REGULAR) NEW SYLLABUS (CBCS) SEMESTER END EXAMINATION, APRIL - 2018 <br> <br> Salesmanship and Sales Management 

 <br> <br> Salesmanship and Sales Management}

## DURATION: 2 HOURS DATE: 30/04/2019 TIMING: 10:00 a.m. to 12:00 noon

## MAX.MARKS: 80

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## *********

Instructions: a) Answer any FOUR questions each from the questions given in $1 \& 2$
b) All questions are compulsory.
Q.1) A) Sales Management
B) Sales Budget
C) Sales compensation
D) Goal Setting
E) Value added selling
F) Salesmanship
Q.2) U) Qualities of a good salesmanV) Pre-approachW) Sales contests
X) Sales ResearchY) Performance MeasurementZ) Closing the sale
$(4 \times 4=16)$
Q.3) x) Explain the process of Prospecting(12)
OR(12)
Q.4) X) Explain the objectives of Sales Management(12)
ORY) How do you carry out Sales planning and control?(12)
Q.5) X) Explain the structure of a sales organization(12)
OR
y) Discuss the functions and responsibilities of a Sales Manager ..... (12)
Q.6) x) Explain the process of Recruitment of salesmen(12)
OR(12)
!!!!!!!!!!!!!!!!!!!!!!!!!!The End ..... !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

