I/III/V Semester B.Com (CBCS) Commerce –Mock Paper– Oct 2018

Subject: Business Ethics

Duration:3:00 Min

Max Marks:70

Note:1. All sections are compulsory 2. Illustrate wherever necessary

SECTION – A
Answer any FIVE Questions Sub question. Each Sub-question carries 2 marks 02x05=10 Marks)

1.	What do you mean by business ethics?		(02 Marks)
2.	Define corporate culture.		(02 Marks)
3.	What is social responsibility?		(02 Marks)
4.	Distinguish between CSR and SR.		(02 Marks)
5.	What is whistle blowing?		(02 Marks)
6.	What is Professional ethics?		(02 Marks)
7.	Give the meaning of personal selling.		(02 Marks)

SECTION – B
Answer any Three Questions Sub question. Each Sub-question carries 6 marks   03x6=18 Marks

8.	Write a note on professional ethics.	(6 Marks)
9.	Explain in detail the various types of Marketing ethics.	(6 Marks)
10.	Write a note on corporate governance.	(6 Marks)
11.	Write a note on ethical standards.	(6marks)
12	Explain the various measures to overcome sexual harassment .	(6marks)

SECTION – C
Answer any Three Questions Sub question. Each Sub-question carries 14 marks03x14=42Marks

13.	Explain the various features of business ethics.	(14 marks)
14.	Explain the various ethics in workplace.	(14 marks)
15.	Explain in detail whistle blowing policy.	(14 marks)
16.	Explain the impact of business ethics towards the growth of today's business.	(14 marks)
17.	Write a detail note on business ethics towards HRM activities in a firm.	(14 marks)

Corporate Accounting
B.Com
III Sem Practice Paper
SECTION-A

1. Answer **any five** sub-questions. **Each** question carries **2** marks. **(5x2=10)**

a) State any two advantages of underwriting.

b) What ratios normally used to apportion pre and post incorporation incomes and expenses?

c) How do you treat the loss prior to incorporation in the books of accounts?

d) Closing capital employed – Rs.12,00,000 ,Net profit for the current year – Rs. 2,40,000 What is Average Capital Employed?

e) Fixed assets Rs. 10,00,000, Current assets Rs. 8,00,000, Arrears of preference dividend Rs. 40,000, 5% Preference share capital Rs.4,00,000, Current liabilities Rs. 3,00,000,6% Debentures Rs.2,00,000. Calculate Net Assets available to Equity Share holders.

f) What is meant by calls-in-arrears?

g) What is meant by unclaimed dividend? Where do you show the same in the Company's Balance Sheet?

SECTION-B

Answer **any three** questions, **each** correct answer carries **6** marks. **(3x6=18)**

1. A company issued 50000 shares. These shares were underwritten as follows:

    X -10000 shares; Y -15000 shares ; Z - 5000 shares. In addition there was a firm underwriting as: X - 5000 shares; Y - 2000 shares; Z -1000 shares. The total subscription was 40000 shares and the forms included the following marked forms :X - 10000 shares ; Y - 10000 shares and Z - 5000 shares. Determine the total liability of underwriters and the company.

2. A company was incorporated on 1st April, 2017 to take over the business of a firm as from 1st January, 2017. All profits made from this earlier period were to the benefit of the company but interest on the purchase price of Rs.5,00,000 were to be paid at 6% interest per annum to the vendor up to 1st June 2017. The

following was the Profit and Loss Account for the year ended 31st December 2017.

Profit and Loss Account for the year ended 31st December, 2017

Particulars	Amount	Particulars	Amount
To Management expenses	30,000	By Gross profit(Operating profit)	2,00,000
To Bad debts	2,500		
To Directors fees	10,000		
To Interest to vendor	12,500		
To Preliminary expenses	5,000		
To Depreciation	10,000		
To Net profit	1,30,000		
	2,00,000		**2,00,000**

Out of bad debts written off Rs.1,000 related to the period prior to incorporation and the balance relating to the post incorporation period. Prepare Profit and Loss Account and apportion the profit between prior and post incorporation period assuming that the sales was spread evenly over the entire period.

3. X Limited agreed to purchase the business of a sole trader and for that purpose goodwill is to be valued at three years purchase of the average of previous 4 years adjusted profit. The profits for the years ending 31st March 2015; 2016; 2017 and 2018 were as follows: Rs. 40,000 ; Rs. 48,000 ; Rs.50,000 and Rs. 60,000.

Following additional information is available:

a) On 1st January 2017 a major repair expenditure to Plant and Machinery for Rs. 12,000 were charged to Profit and Loss Account. This was agreed to be capitalized for goodwill subject to 10% per annum depreciation on reducing balance method.

b) The closing stock for the year ending 2016 was overvalued by Rs.4,800.

c) In order to recover cost of management, an annual charge of Rs.9,600 should be made for valuation of goodwill. Compute the value of goodwill.

4. Following is the Balance Sheet of a limited company as at 31st March, 2017. Calculate the value of the equity share under net assets method after taking the following data into consideration.

a) Debenture interest is due for two years.

b) Current assets include book debts of which Rs.10,000 were bad but no provision has been made in this regard.

c) There was an outstanding liability of Rs. 8000

Balance Sheet as at 31 -3-2016

Liabilities	Amount	Assets	Amount
10000, 8% Preference		Fixed assets	4,00,000
shares of ? 10 each	1,00,000	Current assets	2,50,000
30000 Equity shares		Preliminary expenses	20,000
of ? 10 each	3,00,000	Discount on debentures	5,000
Debenture redemption fund	50,000	Profit and Loss Account	25,000
6% Debentures	1,00,000		
Depreciation fund	1,00,000		
Current liabilities	50,000		
	7,00,000		**7,00,000**

5. State the heading under which the following items shown in the Balance Sheet of the company.

   a) Preliminary expenses.
   b) Discount on issue of shares.
   c) Forfeited share capital.
   d) Goodwill.
   e) Bank overdraft.
   f) Provision for Taxation

SECTION -C

Answer **any three** questions. **Each** question carries 14 marks.   (3x14=42)

1. Raj Ltd. invited applications from the public for 2,50,000 shares of Rs.10 each at a premium of Rs.5 per share. Entire issue was underwritten by underwriters. A, B, C and D to the extent of 30%, 20%, 30%. 20% with the provision of firm underwriting of 7,500 shares, 2,500 shares, 5,000 shares and 2,500 share respectively. The company received applications for 1,75,000 shares excluding firm underwriting, out of which marked applications were A - 47,500 shares, B - 52,500 shares,

C - 25,000 shares and D - 20,000 shares respectively.

Prepare a statement showing the net liability of underwriters, treating;

a) Firm underwriting as marked applications.

b) Firm underwriting as unmarked applications.

2. The following is the Balance Sheet of Sharath Ltd. as on 31 -12-2017.

Liabilities	Amount	Assets	Amount
10,000 equity shares		Land and Building	1,68,000
of X 20 each fully paid	2,00,000	Plant and Machinery	1,20,000
P/L Account	40,000	Furniture	10,000
Debentures	30,000	5% tax free govt, bonds	20,000
Trade Creditors ^	40,000	Stock	24,000
Provision for tax	18,000	Book debts	12,000
Proposed dividend	30,000	Cash	4,000
	3,58,000		**3,58,000**

The net profits of the company after changing depreciation and taxes were as follows:

2013 – Rs.34,000, 2014-38,000, 2015-36,000, 2016-40,000, 2017-38,000

On 31-12-2017 Land and Building were revalued at Rs.1,90,000, Plant and Machinery

at Rs.1,42,000 and Furniture at Rs.8,000.10% represents a fair commercial rate of return on investment in the company. Find out the value of goodwill.

a) 5 years purchase of average super profits for the last 5 years.

b) Capitalization of super profit method.

c) Annuity method, present value of an annuity of Re 1 for 5 years at 10% is 3,78.

3. On 31 -3-2018 the Balance Sheet of Sadhana Ltd. was as follows:

Liabilities	Amount	Assets	
Share Capital:		Land and Building	2,20,000
5000 shares of ? 100 each	5,00,000	Plant and Machinery	95,000
Profit/Loss A/c	1,03,000	Stock	3,50,000
Bank Overdraft	20,000	Debtors	1,55,000
Creditors	77,000		
Provision for tax	45,000		
Proposed dividend	75,000		
	8,20,000		**8,20,000**

The 5 years net profit of the company after deducting all working charges and providing for depreciation and taxation were as under:

2014 - 85,000, 2015 - 96,000, 2016 - 90,000, 2017-1,00,000, 2018 - 95,000.

On 31-3-2018 Land and Building was revalued at Rs. 2,50,000, Plant and Machinery at Rs. 1,50,000 and Goodwill Rs.1,50,000. The normal rate of return is 10%.

You are required to ascertain the value of equity under:

1) Intrinsic value method.

2) Yield value method.

3) Fair value method.

4. Anirudha Ltd. took over the business of Shankar on 1-4-2017 and it was incorporated on 1 -7-2017. The Profit and Loss A/c of Anirudha Ltd. on 31 -3-2018 was as follows:

Particulars	Amount	Particulars	
To Commission (sales)	2,625	By Gross profit	98,000
To Advertising	5,250	By Bad debts recovered	500
To MD's remuneration	9,000		
To Depreciation	2,800		

To Salaries	**18,000**		
To Insurance	**600**		
To Preliminary expenses written off	**700**		
To Rent and taxes	**3,000**		
To Discount	**350**		
To Bad debts	**1,250**		
To Net profit	**54,925**		
	98,500		**98,500**

Further details

a) The average monthly sales after incorporation was twice the average monthly sales before.

b) Rent which was paid for the first 3 months at Rs.200 per month, increased by 50 per month for the balance of the period.

c) Bad debts of ^350 related only to the period after 1 -9-2014 and the balance related to the sales made upto 1 -9-2014.

d) The bad debts realised belong to the bad debts which were written off in 2013-14. Find out the profits before and after incorporation.

The following Trial Balance has been extracted from the books of Subhash Ltd. as on 31 -3-2018. You are required to prepare the financial statements.

Debit balances	*Amount*	Credit balances	*Amount*
Land and Building	1,40,000	Share capital	2,00,000
(original cost 3,00,000)		General Reserve	30,000
Furniture	8,000	8% Debenture	1,00,000
(original cost 15,000)		Bank Overdraft	1,500
Plant and Machinery	1,00,000	Sundry Creditors	10,000
(original cost 2,00,000)		Securities premium	6,000
Investments	6,000	Gross profit	1,14,000
Preliminary expenses	4,000	Sinking fund	40,000

Advance income tax	8,000	P/La/c (1-4-2014)	8,500
Printing and stationery	1,200		
Stock on 31-3-2015	1,28,000		
Salaries	8,000		
Debtors	70,000		
Cash on hand	2,000		
Cash at bank	24,000		
Interest	2,000		
Debenture interest	4,000		
Directors fees	2,000		
Rent, rates and insurance	2,800		
	5,10,000		**5,10,000**

Adjustments:

1) Provide depreciation on :
   a) Land and Building at 5% on straight line basis.
   b) Furniture and Plant and Machinery at 20% on reducing Balance basis.

2) Provide Rs.5,000 for bad debts.

3) Provide the Audit fees Rs.2,500, provision for Income Tax 4,000, and debenture interest for Rs.6,000.

4) Insurance prepaid Rs.800.

5) Write off half of the preliminary expenses.

6) Directors have recommended.
   a) Transfer of 0,000 to Sinking Fund.

   b) Transfer of Rs.4,000 to General Reserve.
   c) Equity dividend at 8% on paid-up capital.

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V V Puram, Bangalore – 560 004

III Semester B.Com (CBCS) – October 2018

Subject: Financial Management

Practice Paper

Duration: 1:00 Hrs

Max Marks:70

Note:1. All sections are compulsory   2. Illustrate wherever necessary

	SECTION – A	
	Answer any FIVE Questions Sub question. Each Sub-question carries 2 marks 02x05=10 Marks	
1.	Define Financial Management.	(02 Marks)
2.	What is time value of money?	(02 Marks)
3.	What is financial leverage?	(02 Marks)
4.	Give the meaning of EPS.	(02 Marks)
5.	What do you mean by Permanent Working Capital?	(02 Marks)
6.	Distinguish between discounting and compounding.	(02 Marks)
7.	What do you mean by capital structure?	(02 Marks)

	SECTION – B	
	Answer any THREE Questions Sub question. Each Sub-question carries 6 marks 03x6=18 Marks	
8.	What is dividend policy ? Discuss the various forms of dividend.	(6 Marks)
9.	What is working capital ? Discuss the importance and sources of working capital.	(6 Marks)
10.	a. A firm can invest Rs. 12000 in a project with a life of 4 years. The projected cash inflows are as follows: Year 1 - Rs.3000, Year 2 - Rs.4000, Year 3 - Rs.5000, Year 4 - Rs.3500 The cost of capital is 10%. Calculate the NPV of the project.	(6 Marks)
11.	A company has sales of Rs.5,00,000, variable cost of Rs.3,00,000, fixed cost of Rs. 1,00,000 and long term loans of Rs.4,00,000 at 10% rate of interest. Calculate the operating, financial and combined leverage.	(6 Marks)
12.	Calculate the future value at the end of five years of the following series of payments at 10% rate of interest. Rs.4,000 at the end of 1st year Rs.5,000 at the end of 2nd year Rs.6,000 at the end of 3rd year Rs.7,000 at the end of 4th year Rs.8,000 at the end of 5th year	(6 Marks)

13	What are the principles of sound financial planning?		(14 Marks)
14	Explain the factors influencing capital structure.		(14 Marks)

15	Determine the accounting rate the return from the following two machines X and Y.		(14 Marks)

Particulars	Machine X	Machine Y
Original cost	Rs.56,125	Rs.56,125
Additional investment in working capital	Rs. 5,000	Rs. 6,000
Estimated life in year	5 years	5 years
Estimated Salvage value	Rs. 3,000	Rs. 3,000
Income tax rate	55%	55%

Annual estimated income after depreciation and tax

Years	Amount (Rs)	Amount (Rs)
1	3,375	11,375
2	5,375	9,375
3	7,375	7,375
4	9,375	5,375
5	11,375	3,375
Total	36,875	36,875

Depreciation has been charged on straight line basis.

16.	D Ltd. Is an established co. which requires a further sum of Rs.30,00,000 for its expansion scheme. Apart from the original equity capital of Rs.30,00,000 for its expansion scheme the director have the following plans: i) All in equity shares ii) Rs. 10,00,000 in equity and balance in 8% debentures. iii) All in debt at 8%. iv) Rs. 10,00,000 in 12% preference shares and balance in equity. The expected EBIT is Rs.8,00,000 and tax rate applicable is 50%. Analyse the options on the basis of earning per share.		(14 Marks)

A firm whose cost of capital is 10% is considering two projects X and Y, the details of which are

Particulars	Project 'X' in Rs	Project 'Y' in Rs
Investment	1,00,000	1,00,000
Cash inflow		
I year	20,000	45,000
II year	30,000	40,000
III year	40,000	30,000
IV year	50,000	10,000
V year	60,000	8,000
Total	2,00,000	1,33,000

17. Compute the internal rate of return for the two projects separately. Project X by 20% and 29% and Project Y by 9% 15%. Use the following discount for calculating IRR.   (14 Marks)

	Project X		Project Y	
Years	20%	29%	9%	15%
1	0.833	0.775	0.917	0.870
2	0.694	0.601	0.842	0.750
3	0.579	0.466	0.772	0.658
4	0.483	0.361	0.708	0.572
5	0.402	0.280	0.650	0.497

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Practice Paper 2018

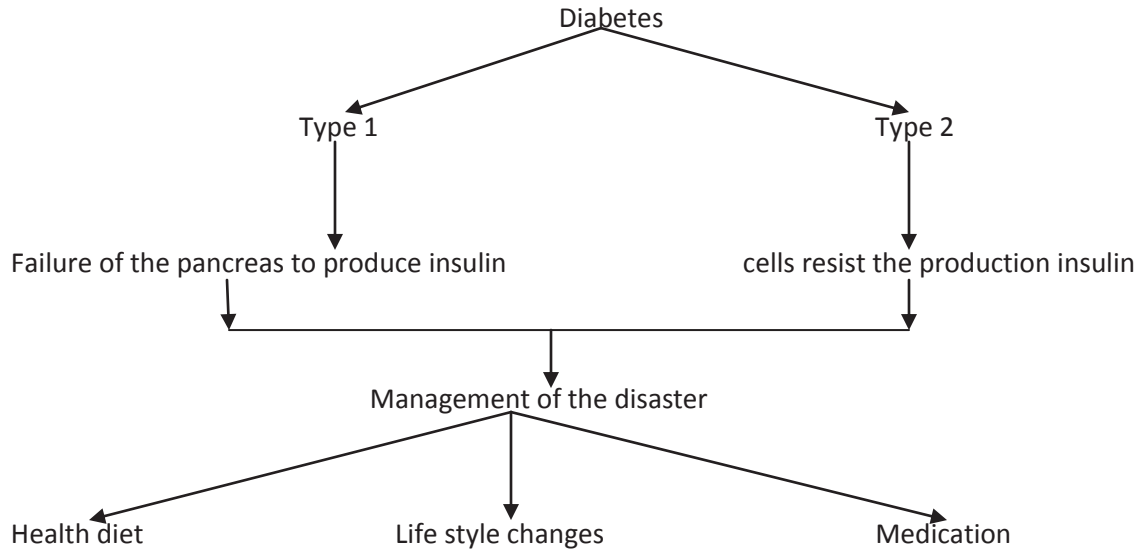### III semester

General English

PART - A

I.   Answer any **five** of the following in one or two sentences each.   5 X 2 = 10
1. To whom is the story 'The Goat of Monsieur Seguin' told?
2. Why were Shyamnath and his wife restless before the visit of the boss?
3. Who accompanied Gandhari on her journey to Hastinapur?
4. Where did the author meet Einstein?
5. How did Hitler use technical devices to his advantage?
6. What was written on the bench that Karlie chose to sit?
7. What does RTI promote?

II.   Answer **any four** questions in a paragraph of 80 – 100 words each.   4 X 5 = 20
1. Describe Blanquette, the last goat of Monsieur Seguin.
2. How did the boss and guests treat Shyamnath's mother?
3. How did Einstein encourage the young man to appreciate classical music?
4. Give three examples from Sonnet – 12 to show the effects of the passage of time.
5. What is meant by 'lower leadership'? How did the Chinese and the Russian's regulate their lower order?

III.   Answer **any two** of the following in a page and a half each   2 X 10 = 20
1. Compare and contrast the theory X and theory Z of management in the poem 'Managing the common Herd'.
2. Bring out the images of nature destroyed by time in Sonnet – 12.
3. 'The Night I Met Einstein' is a tribute to Einstein's many sided personalities. Discuss.

PART – B

IV.   You are the Superintendent from BBMP incharge of relaying footpath in a locality. Write a status report in the prescribed format to   10 marks
a) The Commissioner, BBMP
b) Supply of tiles and cement has arrived.
c) Materials for laying purchased.
d) Delay due to rains.
e) Work to be completed in two months time.

V.   Develop a narrative using the tree diagram given below, using suitable cohesive devices.

5 Marks

Diabetes

Type 1   Type 2

Failure of the pancreas to produce insulin   cells resist the production insulin

Management of the disaster

Health diet   Life style changes   Medication

VI.   You have received a parcel from an online purchase that the product is damaged. Write a
        letter to the Manager of company   5 Marks
        a)Explaining the reason for writing
        b) Return of the product
        c)Replacement with a better product

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I Semester B.Com (CBCS) Commerce – practice paper – 2018

Subject: Public Relations and Corporate Communication   **Max Marks:** 70

Note:1. all sections are compulsory   2. Illustrate wherever necessary

	SECTION – A		
	Answer any FIVE Sub question. Each Sub-question carries 2 marks		**(02x05=10 Marks)**
1.(a)	Define Emotional Intelligence.		(02 Marks)
(b)	What is mission statement?		(02 Marks)
(c)	What is formal communication?		(02 Marks)
(d)	Expand "CA" and "CS".		(02 Marks)
(e)	What is potential employment?		(02 Marks)
(f)	State the meaning of "Resume".		(02 Marks)
(g)	Define career planning.		(02 Marks)
	SECTION – B		
	Answer any Three Questions. Each question carries 6 marks		**(03x6=18 Marks)**
2.	What is negative attitude? Briefly explain the measures to overcome negative attitude.		(6 Marks)
3.	Explain forms of communication.		(6 Marks)
4.	Explain the factors to be considered in career planning?		(6 Marks)
5.	Narrate the methods of enhancing creativity?		(6 Marks)
6.	Explain the steps involved in problem solving process?		(6 Marks)
	SECTION – C		
	Answer any Three Questions. Each question carries 14 marks		**(03x14=42Marks)**
7.	What is time management? Explain the essentials of effective time management?		(14 Marks)
8.	Explain the sources of employers and potential employment?		(14 Marks)
9.	What is interpersonal relationships? Explain it's importance in personal and professional?		(14 Marks)
10.	Prepare resume for the post of accountant in a company with imaginary details?		(14 Marks)
11.	Define communication? Explain it's importance?		

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III Semester B.Com (CBCS) Commerce

Subject: QABD-I

Duration: 1 Hour

Max Marks: 70

Note:1. All sections are compulsory   **2. Illustrate wherever necessary**

SECTION – A

Answer any FIVE Questions Sub question. Each Sub-question carries 2 marks 02x05=10 Marks)

1.	What is rank correlation?	(02 Marks)
2.	What is probable error?	(02 Marks)
3.	Define time series	(02 Marks)
4.	Name the components of time series	(02 Marks)
5.	State the method of interpolation	(02 Marks)
6.	Write short note on survey	(02 Marks)
7.	If bxy = 1.25, byx=0.8, obtain r	(02 Marks)

SECTION – B

Answer any TWO Questions Sub question. Each Sub-question carries 6 marks   03x6=18 Marks

8.	Following are the results of BBM examination. Calculate coefficient correlation between age and success in examination. <table><tr><td>Age</td><td>20-21</td><td>21-22</td><td>22-23</td><td>23-24</td><td>24-25</td><td>25-26</td></tr><tr><td>Candidates appeared</td><td>120</td><td>100</td><td>70</td><td>40</td><td>10</td><td>5</td></tr><tr><td>Success</td><td>72</td><td>55</td><td>35</td><td>18</td><td>4</td><td>1</td></tr></table>	(6 Marks)
9.	Two ladies were asked to rank 7 different brands of lipsticks as listed below. Calculate rank correlation <table><tr><td></td><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td><td>F</td><td>G</td></tr><tr><td>Lady 1</td><td>1</td><td>3</td><td>2</td><td>7</td><td>6</td><td>4</td><td>5</td></tr><tr><td>Lady 2</td><td>2</td><td>1</td><td>4</td><td>6</td><td>7</td><td>3</td><td>5</td></tr></table>	(6 Marks)
10.	Discuss the basic principles of sample surveys.	(6 Marks)

SECTION – C

Answer any TWO Questions Sub question. Each Sub-question carries 14 marks 03x14=42Marks

11.	Define error. Discuss various types of errors	(14 Marks)
12.	The following data relates to the number of passenger car(in millions) sold from 2000 to 2006 <table><tr><td>Year</td><td>2000</td><td>2001</td><td>2002</td><td>2003</td><td>2004</td><td>2005</td><td>2006</td></tr><tr><td></td><td>6.7</td><td>5.3</td><td>4.3</td><td>6.1</td><td>5.6</td><td>7.9</td><td>5.8</td></tr></table> a. Fit a straight line trend to the data and obtain the trend values. b. Estimate the sale of cars for the year 2010	(14 Marks)

13.	Obtain the two regression equations from the following data and estimate the value of X when Y =50 and the value of Y when X=45								(14 Marks)
	X	40	50	38	60	65	50	35	
	Y	38	60	55	70	60	48	30	

III BCom Science and Society, Practice Paper Oct. 2018.

Section A

Answer all the Questions each carries one mark.   1X40=40

1) Which Indian state has the largest area irrigated by water tanks, as per 2010?
   a) Uttar Pradesh
   b) Karnataka
   c) Tamil nadu
   d) Andhra Pradesh

2) Enzyme presoaks are used for soaking items before washing to remove
   a) Difficult stains
   b) Soils
   c) Both
   d) None of these

3) Which is the biggest milk plant in India?
   a) Verka milk plant
   b) Mother dairy
   c) Burnutt dairy
   d) Lorenae dairy

4) Creation of automatic dish washers powders, fabric softeners?
   a) 1950s
   b) 1960s
   c) 1970s
   d) 1980s

5) Which of the following is a human made input of agriculture?
   a) Relief of the land
   b) Crops
   c) Earth worms
   d) Irrigation facilities

6) Polymers are large molecules composed of _____chemical units.
   a) Repeated
   b) Enhanced
   c) Less
   d) None

7) Which is known as golden fiber?
   a) Cotton
   b) Wheat
   c) Jute
   d) Silk

8) Who announced in 1907, the synthesis of the first truly synthetic polymeric material?
   a) Leo Baekeland
   b) Goodyear
   c) Darwin
   d) None of these

9) The two most important staple food crops of the world are _____&_____
   a) Ragi and Bajra
   b) Tea and coffee
   c) Rice and wheat
   d) Millets and maize

10) First truly synthetic polymeric material
   a) Bakelite
   b) Neoprene
   c) Nylon
   d) PVC

11) It is also known as "Mono culture" i.e. single crop grown over a large area
   a) Commercial gran farming
   b) Multiple forming
   c) Mixed farming
   d) Plantation farming

12) Neoprene was found by
   a) Arnold Collins
   b) Lorenz
   c) Goodyear
   d) Cornell

13) Which one is not a millet crop
   a) Wheat
   b) Jowar

c) Ragi

d) Bajra

14) Darwinism is a theory of-

    a) Geometric evolution

    b) Physical evolution

    c) Biological evolution

    d) None of these

15) NDDB means

    a) National Daily Development Board

    b) National Dairy Development Board

    c) National Daily Developing Board

    d) National Development Dairy Board

16) 1st life on earth was

    a) Chemohetrotrophs

    b) Cyanobacteria

    c) Autotrophs

    d) Photoautotrophs

17) The theory that evolutionary change is slow and continuous is known as

    a) Punctuated equilibrium

    b) Geographic isolation

    c) Speciation

    d) Gradualism

18) Which of the following is a living fossil?

    a) Mirabilis jalapa

    b) Gingko bilpba

    c) Pinuslongifolio

    d) Dalbergiasissoo

19) Which sector is the backbone of Indian economy?

    a) Service Sector

    b) Financial Sector

    c) Tourism Sector

    d) Agriculture Sector

20) The concept that species have changed over long periods of time is known as

    a) Ecology

b) Organic evolution

c) Embryology

d) Spontaneous generation

21) Who announced the introduction of National Food Security Act?

    a) Pranab Mukherjee

    b) Manmohan Singh

    c) P.Chidambaram

    d) Arun Jaitely

22) DES means

    a) Department of Ecology and Statistics

    b) Department of Economics and Statistics

    c) Department of Ergonomics and Space

    d) Department of engineering and Science

23) Which group of organisms is believed to be among the earliest to evolve on earth?

    a) Arthropods

    b) Coelenterates

    c) Protozoans

    d) Reptiles

24) The Blue revolution is related with?

    a) Fish Production

    b) Food grain production

    c) Oilseed production

    d) Milk production

25) Which of the following is considered to be bacteriostatic?

    a) Penicillin

    b) Chloramphenicol

    c) Ciprofloxacin

    d) Cefoxitin

26) Green revolution in India was the outcome of the efforts of whom amongst the following?

    a) C.Rangrajan

    b) K.V.Kamath

    c) Rakeshmohan

    d) M.S.Swaminathan

27) Soap is a salt of a
   a) Fatty acid
   b) Amino acid
   c) Citric acid
   d) None of these

28) Who announced the launch of RashtriyaKrishiVikasYojana?
   a) Narendra Modi
   b) Dr.Manmohan Singh
   c) Atal Bihar Vajpayee
   d) I.K. Gujral

29) Fats and oils are composed of
   a) Triglycerides
   b) Glycosides
   c) Both A and B
   d) None of these

30) Who is known as father of White revolution in India?
   a) M.S.Swaminathan
   b) V.Kurein
   c) K.N.Bahal
   d) B.P.Pal

31) The first soap was discovered by mixing
   a) Animal fats
   b) Wood ash
   c) Water
   d) All the above

32) The gene revolution is the application of _____in food production.
   a) Bio technology
   b) Technology
   c) Both
   d) None

33) _____ is used to extract metal like thorium, vanadium and zirconium from there compounds by displacement reactions , a deoxidizers
   a) Calcium carbonate
   b) Alcohols
   c) Calcium

d) Alkenes

34) The information revolution started around
   a) 1000 BC
   b) 1500 BC
   c) 2000 BC
   d) 3000 BC

35) Moderators are used in the nuclear reactors to
   a) Accelerate the neutrons
   b) Slow down the neutrons
   c) Absorb neutrons
   d) Produce neutrons

36) PVC was initially found by German chemist_____ in 1872,
   a) Albert Einstein
   b) Chadwick
   c) Goodyear
   d) EugenBoumann

37) Internet works on
   a) Circuit switching
   b) Packet switching
   c) Both a and b
   d) None

38) Which of the following is the best nuclear fuel?
   a) Neptunium 293
   b) Uranium 236
   c) Plutonium 239
   d) Thorium 236

39) Which one of the following is not an application layer protocol used in internet?
   a) Remote procedure call
   b) Internet relay chat
   c) Resource reservation protocol
   d) None of these

40) Which protocol assigns IP address to the client connected in the internet?
   a) DHCP

b) RPC

c) IP

d) None of the mentioned

Section B

Answer all the Questions each carries Two marks.   2X15=30

41) The extensions .gov .edu .mil, and .net are called
   a) DNSs
   b) E-mail targets
   c) Domain codes
   d) Mail to addresses

42) URL is an acronym for _____
   a) Uniform resource locator
   b) Uniform resource link
   c) Universal reference locator
   d) Unlimited real-time language

43) When surfing the Web, the browser interprets the HTML command found in a document file, and displays it as a(n)
   a) Applet page
   b) Java page
   c) Web page
   d) Domain page

44) HTML is an acronym for _____
   a) Hyperlink markup language
   b) Hypertext markup language
   c) Hypertext markup link
   d) Hypertext modern language

45) Hyperlinks in a web document typically appear as
   a) Bolded and underlined
   b) Italicized and underlined
   c) Underlined and colored
   d) Bolded and italicized

46) Applets are typically written in a programming language called
   a) XML
   b) Basic
   c) Pascal
   d) Java

47) Which of the following are not required in order to send and receive e-mail?
   a) E-mail account
   b) Web page
   c) Access to the Internet
   d) E-mail program

48) Which of the following is not one of the basic elements of an e-mail message?
   a) Header
   b) Footer
   c) Message
   d) Signature

49) Which among the following is not a renewable sorce of energy?
   a) Solar energy
   b) Biomass energy
   c) Hydro-power
   d) Geothermal energy

50) Photovoltaic energy is the conversion of sunlight into:
   a) Chemical energy
   b) biogas
   c) electricity
   d) Geothermal energy

51) A fuel cell, in order to produce electricity, burns:
   a) Helium
   b) Nitrogen
   c) Hydrogen
   d) None of these

52) Fuel cells are:
   a) Carbon cell
   b) Nuclear cell
   c) Hydrogen battery

d) Chromium cell

53) Which of the following area is preferred for solar power planys?
   a) Coastal areas
   b) Hot arid zones
   c) Mountain tops
   d) High rainfall zones

54) Climate change is primarily caused by the building up of _____in the atmosphere.
   a) Green House gases
   b) CO2
   c) Nitrogen
   d) None

55) Global warming is a specific example of the broader term
   a) Climate change
   b) Environment change
   c) Soil erosion
   d) Health change