KUMBALATHU SANKUPILLAI MEMORIAL
DEVASWOM BOARD COLLEGE
(Re-accredited with 'A' Grade by NAAC)
SASTHAMCOTTA, KOLLAM District, KERALA

CRITERION 2

2.6.2. Evaluation of PO, PSO, CO attainment

Continuous evaluation measures used for CO, PO, PSO attainment are:

a) Internal examination: As part of continuous evaluation, internal examination is conducted in a centralised manner and valued answer scripts are handed over to the students within a period of one week.

b) Assignments: Assignments are given to the students with a view to develop their problem solving skills and project implementation skills and the date of assignment submission are published in the department academic calendar. The topics are chosen with the course objectives in mind.

c) Seminars: The presentation skills of the students are tested through this component and the students are encouraged to use ICT in preparing and presenting seminars. The learners are graded on the basis of their performance and involvement. The topics for the seminars are selected from a wide spectrum under the purview of the curriculum and are designed to guide the students towards attaining the programme objectives.

d) Projects and Viva: Projects, field visits, viva and practical skill evaluations are also the value indicators for the programme and course outcome attainment evaluation.

KUMBALATHU SANKUPILLAI MEMORIAL DEVASWOM BOARD COLLEGE SASTHAMCOTTA, KOLLAM DIST., KERALA, INDIA 690521

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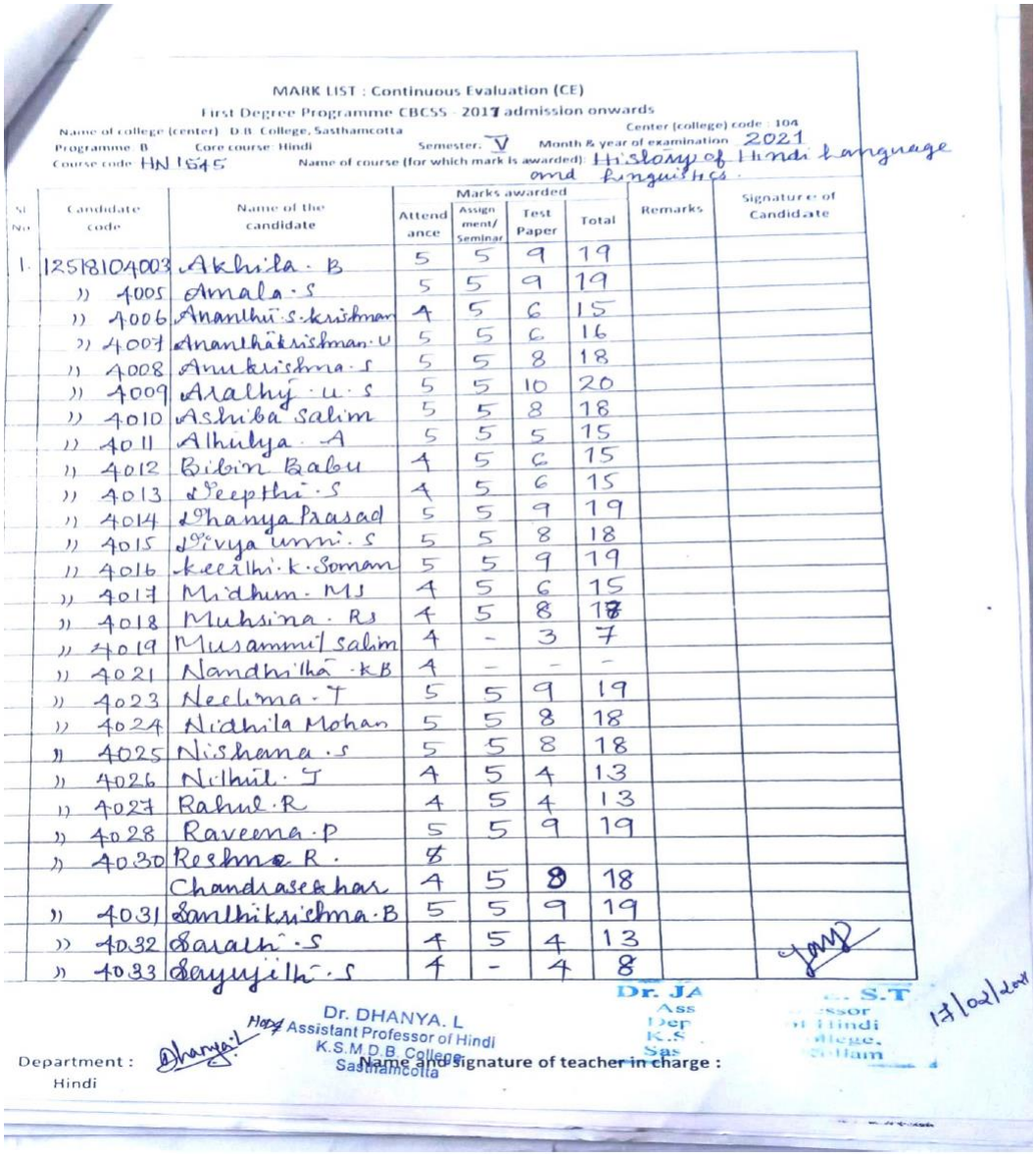
SASTHAMCOTTA

CONTINUOUS EVALUATION MARK SHEET



MARK LIST : Continuous Evaluation (CE)

First Degree Programme CBCSS - 2017 admission onwards

Name of college (center) : D.B. College, Sasthamcotta — Center (college) code : 104

Programme : B — Core course : Hindi — Semester : V — Month & year of examination : 2021

Course code : HN 1545 — Name of course (for which mark is awarded) : History of Hindi Language and Linguistics

Sl No	Candidate code	Name of the candidate	Marks awarded: Attendance	Assignment/ Seminar	Test Paper	Total	Remarks	Signature of Candidate
1	125181004003	Akhila · B	5	5	9	19		
	4005	Amala · S	5	5	9	19		
	4006	Ananthu S Krishnan	4	5	6	15		
	4007	Ananthakrishnan U	5	5	6	16		
	4008	Anu Krishna · S	5	5	8	18		
	4009	Arathy · U · S	5	5	10	20		
	4010	Ashiba Salim	5	5	8	18		
	4011	Athulya · A	5	5	5	15		
	4012	Bibin Babu	4	5	6	15		
	4013	Deepthi · S	4	5	6	15		
	4014	Dhanya Prasad	5	5	9	19		
	4015	Divya unni · S	5	5	8	18		
	4016	Keerthi · K · Soman	5	5	9	19		
	4017	Midhun · MJ	4	5	6	15		
	4018	Muhsina · RS	4	5	8	18		
	4019	Musammil Salim	4	-	3	7		
	4021	Nandhitha · KB	4	-	-	-		
	4023	Neelima · T	5	5	9	19		
	4024	Nidhila Mohan	5	5	8	18		
	4025	Nishana · S	5	5	8	18		
	4026	Nithul · T	4	5	4	13		
	4027	Rahul · R	4	5	4	13		
	4028	Raveena · P	5	5	9	19		
	4030	Reshma R · Chandrasekhar	4	5	9	18		
	4031	Santhikrishna · B	5	5	9	19		
	4032	Sarath · S	4	5	4	13		
	4033	Sayujith · S	4	-	4	8		

Dr. DHANYA. L
Assistant Professor of Hindi
K.S.M.D.B College
Sasthamcotta

Dr. JA
Ass
Dep
K.S
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Hindi
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17/02/2021

Department : Hindi

Name and signature of teacher in charge :

KUMBALATHU SANKUPILLAI MEMORIAL DEVASWOM BOARD COLLEGE ★ SASTHAMCOTTA, KOLLAM DIST., KERALA, INDIA-690521 ★

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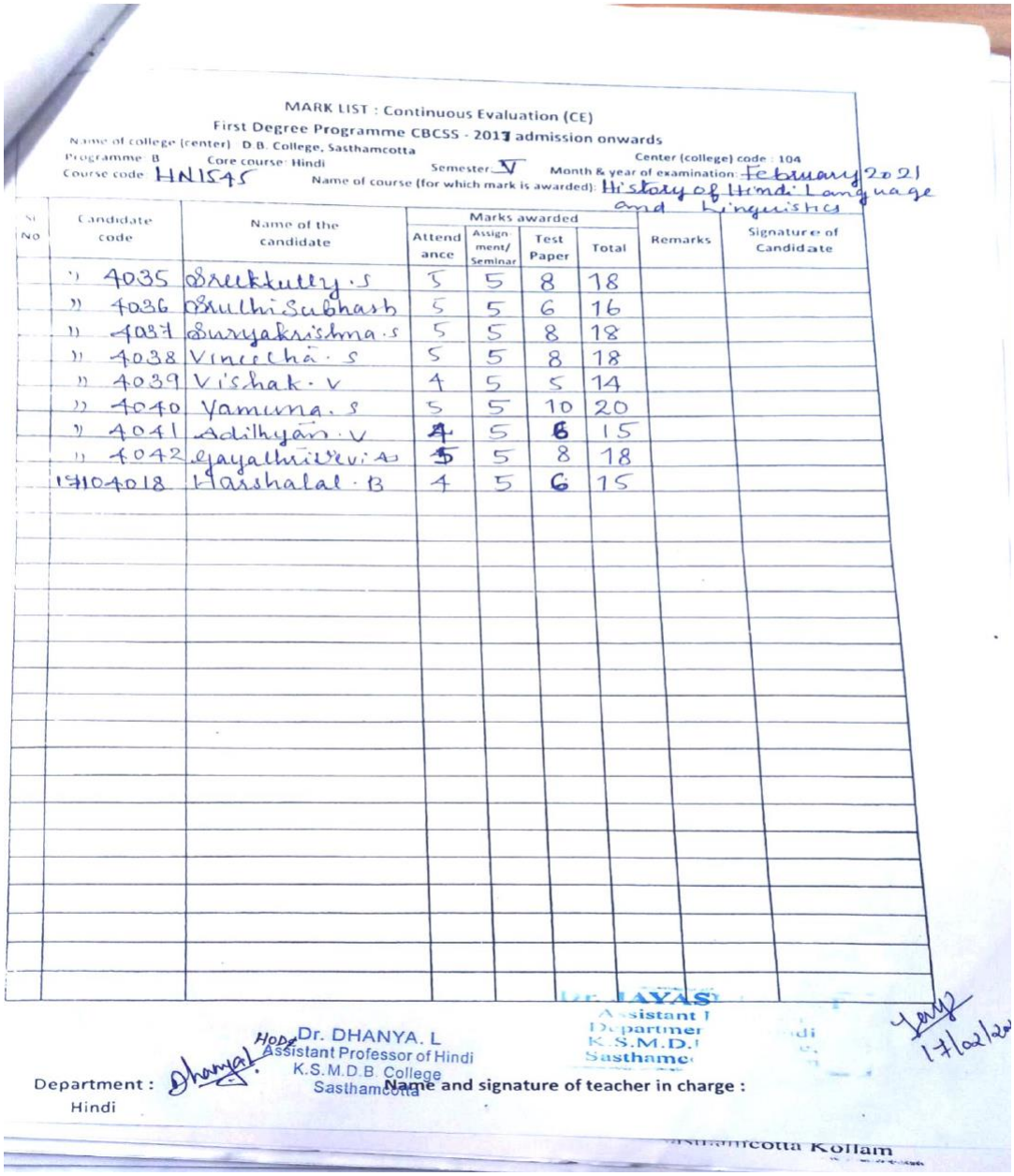
SASTHAMCOTTA



MARK LIST : Continuous Evaluation (CE)

First Degree Programme CBCSS - 2017 admission onwards

Name of college (center) : D.B. College, Sasthamcotta — Center (college) code : 104

Programme : B — Core course : Hindi — Semester : V — Month & year of examination : February 2021

Course code : HN1545 — Name of course (for which mark is awarded) : History of Hindi Language and Linguistics

Sl No	Candidate code	Name of the candidate	Marks awarded				Remarks	Signature of Candidate
			Attendance	Assignment/ Seminar	Test Paper	Total		
1	4035	Sreekutty.S	5	5	8	18		
2	4036	SruthiSubhash	5	5	6	16		
3	4037	Suryakrishna.S	5	5	8	18		
4	4038	Vineetha.S	5	5	8	18		
5	4039	Vishak.V	4	5	5	14		
6	4040	Yamuna.S	5	5	10	20		
7	4041	Adilhyan.V	4	5	6	15		
8	4042	Jayalthilevia	5	5	8	18		
9	19104018	Harishalal.B	4	5	6	15		

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Dr. JAYAS
Assistant P
Department
K.S.M.D.B
Sasthamc

17/02/21

Department : Hindi

Name and signature of teacher in charge :

Sasthamcotta Kollam

KUMBALATHU SANKUPILLAI MEMORIAL DEVASWOM BOARD COLLEGE ★ SASTHAMCOTTA, KOLLAM DIST., KERALA, INDIA-690521 ★

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MARK LIST : Continuous Evaluation (CE)

First Degree Programme CBCSS - 2020 admission onwards

Name of college (center) : K.S.M.D.B. College, Sasthamcotta — Center (college) code : 104

Programme: B — Core course: Malayalam — Semester: 2 — Month & year of examination: 2021

Course code: — Name of course (for which mark is awarded): ~~Novel~~ :

Class No:	Candidate code	Name of the candidate	Marks awarded			Remarks	Signature of Candidate
			Assign-ment/ Seminar	Test Paper	Total		
1	11520104001	ABHIJITH M	4	4	8		
2	11520104002	ABHIJITH. M	4	4	8		
3	11520104003	ABHIJITH.P	4	4	8		
4	11520104004	ADITHYA. A	10	9	19		
5	11520104005	ADITYA A	10	7	17		
6	11520104006	AKHIL MOHAN M	10	6	16		
7	11520104007	AKHILA L	10	8	18		
8	11520104008	AMRUTHA L	10	10	20		
9	11520104009	ANANDAKRISHNAN. B	—	5	5		
10	11520104010	ANANDHU V	10	6	16		
11	11520104011	ANANDHU.L.S	8	2	10		
12	11520104012	ANUKRISHNAN.S.S	10	4	14		
13	11520104013	APARNA. M	10	8	18		
14	11520104014	ARCHA . G	10	9	19		
15	11520104015	ARCHANA . V	10	7	17		
16	11520104016	ARCHANA.A.S	10	7	17		
17	11520104017	ARUNIMA.A	10	7	17		
18	11520104018	ASHINA. S	10	6	16		
19	11520104019	ATHIRA B	10	8	18		
20	11520104020	ATHUL S. ANAND	10	1	11		
21	11520104021	ATHULRAJ C R	7	2	9		
22	11520104022	ATHULYA RAJ R	10	2	12		
23	11520104023	DEEPA. P	10	6	16		
24	11520104024	DIVYA UNNI L	10	8	18		
25	11520104025	FATHIMA RAHIM	10	7	17		
26	11520104026	GAUTHAM CHANDRA. J. B	10	8	18		
27	11520104027	GAYATHRI. T	10	5	15		
28	11520104028	GOURISREE . G	10	9	19		
29	11520104029	IBNU ARIF	3	5	8		

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			Assignment	Test	Total	Remarks	Sign
30	11520104030	JITHU JOHNSON	10	7	17		
31	11520104031	JOBIN PAPPACHAN	10	6	16		
32	11520104032	KAILASNADH P. KURUP	6	5	11		
33	11520104033	KRISHNA PRIYA	10	8	18		
34	11520104034	KRISHNA PRIYA.P	10	10	20		
35	11520104035	KRISHNAJA. S	10	10	20		
36	11520104036	M S GAUTHAM KRISHNAN	10	7	17		
37	11520104037	MAHINCHAND C G	10	6	16		
38	11520104038	MARIYA JAMES	10	6	16		
39	11520104039	MEENAKSHI V	10	5	15		
40	11520104040	NITHA. N	10	9	19		
41	11520104041	PANCHAMI S	10	6	16		
42	11520104042	PRINCY. F	10	4	14		
43	11520104043	RESHMA PRAKASH	10	8	18		
44	11520104044	RESHMI R	10	7	17		
45	11520104045	REVATHY. R	10	5	15		
46	11520104046	RUDRARAJU	10	9	19		
47	11520104047	SANDRA. S	10	7	17		
48	11520104048	SARANYA . S	10	8	18		
49	11520104049	SATHEESHKUMAR S	10	7	17		
50	11520104050	SHAMNAD. R	10	5	15		
51	11520104051	SHEHNA MOL . S	10	8	18		
52	11520104052	SNEHA BINOY	10	6	16		
53	11520104053	SOORAJ. S	10	4	14		
54	11520104054	SREENATH S	10	4	14		
55	11520104055	SUDHIRAJ S	10	5	15		
56	11520104056	SURABHI M	10	5	15		
57	11520104057	SYAM KRISHNAN . S	10	7	17		
58	11520104058	VAISAKHI P	10	8	18		
59	11520104059	VAISHAKH V	10	7	17		
60	11520104060	VARSHA S	10	6	16		
61	11520104061	VARUN V S	10	7	17		
62	11520104062	VASUDEV KRISHNAN K	10	5	15		
63	11520104063	VEENA V.K	10	10	20		
64	11520104064	VINAYAK A	10	8	18		
65	11520104065	VRINDHA PANKAJ. S	10	8	18		

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MARK LIST : Continuous Evaluation (CE)

First Degree Programme CBCSS 2019 admission onwards

Name of college (center) : D.B. College, Sasthamcotta — Center (college) code : 104

Programme : B — Core course : Hindi — Semester : III — Month & year of examination : 2021

Course code : HI 341 — Name of course (for which mark is awarded) : History of Hindi Literature - Modern Period

Sl. No	Candidate code	Name of the candidate	Marks awarded				Remarks	Signature of Candidate
			Attendance	Assignment/ Seminar	Test Paper	Total		
1	1251904001	Adheesh kumar. A	4					
	4002	Adithya krishnan	5	5	7	17		
	4004	Akhil. A	5	5	8	18		
	4006	Amal Krishnan. R	5	5	10	20		
	4007	Amsitha. G	5	5	7	17		
	4008	Anand. MS	4	-	-	-		
	4009	Ansia. I	5	-	10	-		
	4010	Anson Raj	5	5	7	17		
	4011	Anulekshmi. B	5	-	7	-		
	4012	Archana. RS	5	5	8	18		
	4013	Arunima. U	5	5	10	20		
	4014	Arunjith. A	5	5	6	16		
	4015	Aryamol. TS	5	5	10	20		
	4016	Aswathy. U	5	5	10	20		
	4017	Aswin. PR	4	-	-	-		
	4018	Aswin Ramesh	5	5	6	16		
	4019	Athira Aravind	5	5	10	20		
	4020	Avani. S	5	5	9	19		
	4021	Ayyappan. S	5	5	6	16		
	4022	Parvathy das	5	5	8	18		
	4023	Devika. BS	5	5	10	20		
	4025	Gopika krishnan	5	5	10	20		
	4026	krishnendu. A	5	5	7	17		
	4027	Lekshmi. RS	4	5	7	16		
	4028	Manya Valsan	5	5	10	20		
	4029	Mekha. S	5	5	10	20		
	4030	Mohammed Sha	5	5	6	16		
	4031	Navyama Pradeep	5	5	8	18		

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As... Professor
De... of Hindi
K... College,
... Kollam

17/02/2

Department : Hindi

Name and signature of teacher in charge :

KUMBALATHU SANKUPILLAI MEMORIAL DEVASWOM BOARD COLLEGE ★ SASTHAMCOTTA, KOLLAM DIST., KERALA, INDIA, 690521

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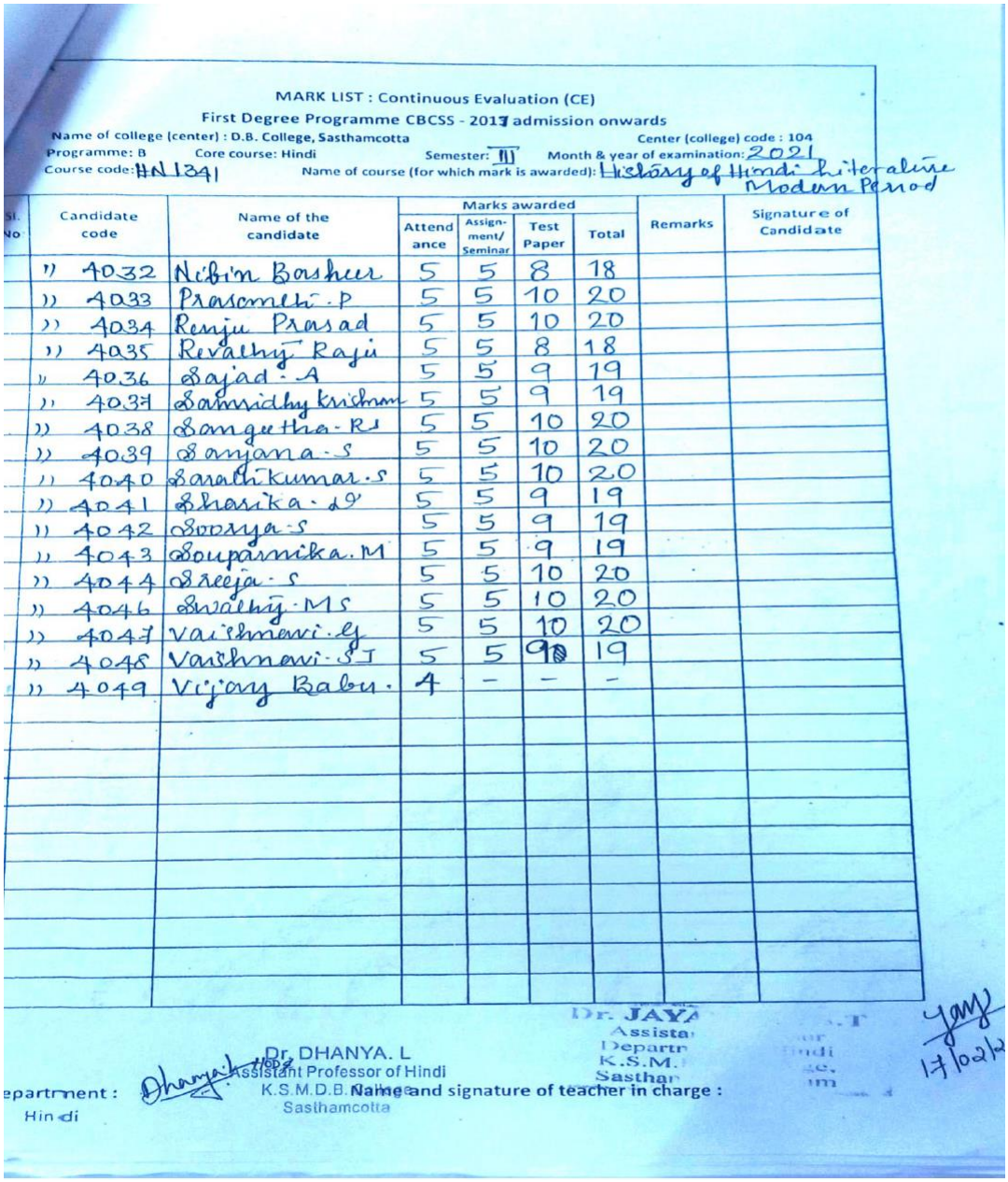

MARK LIST : Continuous Evaluation (CE)

First Degree Programme CBCSS - 2017 admission onwards

Name of college (center) : D.B. College, Sasthamcotta — Center (college) code : 104

Programme: B — Core course: Hindi — Semester: III — Month & year of examination: 2021

Course code: HN1341 — Name of course (for which mark is awarded): History of Hindi literature Modern Period

Sl. No	Candidate code	Name of the candidate	Marks awarded				Remarks	Signature of Candidate
			Attendance	Assignment/ Seminar	Test Paper	Total		
	4032	Nibin Basheer	5	5	8	18		
	4033	Prasoonlal. P	5	5	10	20		
	4034	Renju Prasad	5	5	10	20		
	4035	Revathy Raju	5	5	8	18		
	4036	Sajad. A	5	5	9	19		
	4037	Sanvidhy krishnan	5	5	9	19		
	4038	Sangeetha. RJ	5	5	10	20		
	4039	Sanjana. S	5	5	10	20		
	4040	Sarathkumar. S	5	5	10	20		
	4041	Sharika. S	5	5	9	19		
	4042	Soorya. S	5	5	9	19		
	4043	Souparnika. M	5	5	9	19		
	4044	Sreeja. S	5	5	10	20		
	4046	Swathy. MS	5	5	10	20		
	4047	Vaishnavi. G	5	5	10	20		
	4048	Vaishnavi. SJ	5	5	9	19		
	4049	Vijay Babu.	4	–	–	–		

Dr. JAYA
Assista
Departm
K.S.M.
Sastha

Dr. DHANYA. L
Assistant Professor of Hindi
K.S.M.D.B. College
Sasthamcotta

Department : Hindi

Name and signature of teacher in charge :

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SAMPLE INTERNAL EXAM QUESTION PAPERS

KUMBALATHU SANKUPILLAI MEMORIAL DEVASWOM BOARD COLLEGE ★ SASTHAMCOTTA ★ KOLLAM DIST., KERALA ★ 690521

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K.S.M. D. B. College Sasthamcotta

Third semester B. Sc Degree Model Examination, October 2019

Chemistry [Complementary Physics] PY1331.2 Optics, Magnetism and Electricity

TIME: 3 hrs TOTAL MARKS: 80

SECTION A

Answer ALL questions in one or two sentences. Each question carries ONE mark.

1. What is magnetic intensity of the field?
2. What are coherent sources?
3. Define numerical aperture.
4. Define rms value of a.c
5. What are half period zones
6. Define quality factor
7. What is population inversion?
8. Explain susceptibility and permeability.
9. Define Wattless current?
10. What are the fringes of equal thickness?

[10x1=10 Marks]

SECTION B

Answer any EIGHT questions, each question carries TWO marks.

11. Explain sharpness of Resonance in a series LCR circuit.
12. State Curie's law. What is Curie's point?
13. Why Newton's rings are circular?
14. Mention the advances in fibre optic communication system.
15. Explain the principle of LASER. .
16. What is a choke coil? What is the advantage of using a choke coil instead of a resister?
17. Explain the colour of thin film.
18. Derive the relation between three magnetic vectors
19. Explain power factor in an ac circuit
20. Distinguish between Fraunhofer and Fresnel Diffraction.
21. Write a note on transformers
22. Explain spontaneous and stimulated emission

[8x2=16 Marks]

SECTION C

Answer any SIX questions. Each question carries FOUR marks.

23. Discuss briefly different types of Magnetic materials
24. Light of wavelength 6000AU and 4200 AU are made to incident normally on a grating of 6000 lines per cm. A lens of focal length 200 cm. is used to observe the diffraction pattern. What is the separation in the two lines in the first order spectrum?
25. In Newton's ring experiment the diameter of the 6th dark ring is 0.44cm using alight of wavelength 589.3 nm. Calculate the radius of curvature of the convex lens?
26. A choke of 0.5 H, a capacitance of 20 μF and a resistance of 100 ohm are connected in series across 200volt 50Hz main. Find (a).current in the circuit. (b) Power factor of the circuit.
27. Find the capacitive reactance of a15μF capacitor at 2 kHz. Calculate the inductance required to produce series resonance with the capacitor at this frequency.
28. The current passing through a solenoid is 1.5A.What is the magnetizing field if it is 2 m long and carries 500 turns.
29. A resister of 200 ohm and a capacitor of 15 μF are connected in series to a 220 V 50Hz ac source . Calculate (a) the current in the circuit(b) the RMS voltage across the resistor and the capacitor
30. Two straight and narrow parallel slits 1 mm apart are illuminated by monochromatic light. Fringes formed on the screen held at a distance of 100 cm from the slits are 0.50 mm apart. What is the wavelength of light?
31. In a step up transformer the ratio of the number of turns in primary and secondary coils is 1:10.What will be the voltage across the secondary if the primary is connected to 220V mains. If the current drawn from the secondary coil is 2A, calculate the current flowing through the primary

[6x4=24 Marks]

SECTION D

Answer any TWO questions. Each question carries FIFTEEN marks

32. Describe with necessary theory to determine the wavelength of monochromatic light using Newton's ring experiment.
33. An inductor, capacitor and a resistor connected in series. Derive an expression for the current passing through the circuit. What is the condition for resonance and obtain an expression for resonant frequency
34. Define spontaneous emission and stimulated emission. Explain the principle, construction and working of Ruby laser.
35. Explain the working of a step index fibre and explain the terms acceptance angle and numerical aperture

[15x2=30 Marks]

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ദേവസ്വം ബോർഡ് കോളേജ്, ശാസ്താംകോട്ട
മൂന്നാം സെമസ്റ്റർ ബി.എ. ഡിഗ്രി പരീക്ഷ, 2019 സെപ്റ്റംബർ
പരിസ്ഥിതി : സിദ്ധാന്തവും ആവിഷ്കാരവും.
കോഴ്സ് കോഡ് : ML 1331 — മാർക്ക് - 80
സമയം - 3 മണിക്കൂർ

I ഒറ്റവാക്കിലോ ഒന്നോ രണ്ടോ വാചകത്തിലോ ഉത്തരമെഴുതുക.

1. സോഷ്യൽ ഇക്കോളജിയുടെ പിതാവ്?
2. 'ഹരിതസാഹിത്യ ദർശനം' ആരുടെ കൃതി?
3. Ecology [പരിസ്ഥിതി] എന്ന വാക്ക് പ്രയോഗത്തിൽ കൊണ്ടുവന്ന ജർമ്മൻ ശാസ്ത്രജ്ഞൻ?
4. 'മരണവിദ്യാലയം' ആരുടെ സമാഹാരമാണ്?
5. "…പോലെ തന്നെ നിങ്ങളും ഒരു നല്ല മനുഷ്യനല്ല" - ആരുടെ വാക്കുകൾ?
6. "മരമേറുന്ന വിഷമായി കുന്നിൽ കുന്നിൽ" പെരുകുന്നതെന്ത്?
7. ഇഷ്ടികയ്ക്കു വേണ്ടി ജീവനെടുത്ത മണ്ണിന്റെ ചോരയെക്കാൾ … നിസ്സഹായമായി … കാണാതാകുന്നതെന്ത്?
8. പുതിയ … പടിവാതിൽക്കൽ ചിതറിക്കിടക്കുന്നതെന്ത്?
9. കാലുകൾ ഒടിഞ്ഞുപോയ ഒരു വംശം ഓടിപ്പോകാനാവാതെ നിലവിളിച്ചതെവിടെ?
10. ആരണ്യകത്തെ ഉത്പാദനം ചെയ്യുന്നതാര്? (10×1=10)

II എട്ട് ചോദ്യത്തിന് ഓരോ ഖണ്ഡികയിൽ ഉത്തരമെഴുതുക.

11. പാരിസ്ഥിതിക സ്ത്രീവാദം.
12. കാവ്യത്തെ മുൻനിർത്തി കേസരിയുടെ അഭിപ്രായം രേഖപ്പെടുത്തുക.
13. "എനിക്ക് … ബി.പി. ഉണ്ട്. പക്ഷേ, കാടിനെ കുറിച്ചും പ്രകൃതിയെ കുറിച്ചും ഓർക്കുമ്പോൾ ഒക്കെ മാറും" — ആരുടെ വാക്കുകൾ? സൂചിതം എന്ത്?
14. "എന്റെ നെഞ്ച് എന്തിനോ സങ്കടം കൊണ്ട് പൊട്ടുന്നതായി തോന്നി" — വിശദമാക്കുക.
15. "… പ്രകടനങ്ങൾക്ക് … ഇനിമുതൽ സ്ഫടികഭരണിയിൽ … കിടക്കും" — ഇങ്ങനെ പറയാനിടയായ സാഹചര്യമെന്ത്?
16. "ഒറ്റമരങ്ങളുടെ പച്ച … നമ്മുടെ … ശൈവനാഹാരം" — ആശയം വ്യക്തമാക്കുക.
17. വാക്കുകളുടെ … സംബന്ധിച്ചതെന്ത്?
18. … കവി … എന്ത്?
19. … വ്യക്തിത്വത്തിന്റെ സവിശേഷതകൾ എന്തെല്ലാം?
20. "… എഴുതുന്ന നാഗരികത" — [illegible] (8×2=16)

III ആറ് ചോദ്യത്തിന് 120 വാക്കിൽ കവിയാതെ ഉത്തരമെഴുതുക.

21. … എന്ന കവിതയ്ക്ക് ആസ്വാദനം തയ്യാറാക്കുക.
22. വാക്കുകൾക്ക് മേൽ കവി ചെയ്തതെന്തെല്ലാം?
23. ആധുനികകാലത്ത് കൊച്ചിയിലെ വൃക്ഷങ്ങൾക്കുണ്ടായ പരിണാമമെന്ത്?
24. "ആ മരമെയൊന്നു ഞാൻ വെട്ടി …?" — … വാക്കുകളിലെ സൂചനയെന്ത്?
25. "… കൈകൊണ്ടാണോ മണ്ണെടുത്തത്. എങ്കിൽ … പറയൂ. മണ്ണ് …" — പുതിയ തലമുറയുടെ പ്രത്യേകതയെന്ത്?
26. "… പറയുന്ന … വന്നെത്തിയിരിക്കുന്നത്" — സന്ദർഭമെന്ത്?
27. ജീവിതത്തിന്റെ വസന്തം … രാഗത്തിന്റെയും ശരീരത്തിന്റെയും … എന്തൊക്കെ? (6×4=24)

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Third Semester BA Degree Examination September 2019

Complementary Course III for Hindi 3C 1331.1 – Prose and Drama

Answers may be written either in Sanskrit or in English or in Malayalam.

I Answer the following questions (1x10 = 10)

1. पायादुपेन्द्रस्य पादः । अत्र उपेन्द्रः कः ?
2. दुर्योधनाज्ञया कः मन्त्रशालां रचयति ?
3. गर्जा निशम्य निपतत्यसुराङ्गनानाम् । कस्य शब्दं निशम्य ?
4. काञ्चुकीयस्य अपरं नाम किम् ?
5. ~~फाल्गुनेनैव~~ फाल्गुनेनैव मोक्षितः । कः ?
6. नक्षत्रमध्ये शशाङ्क इव दृश्यते । कः ?
7. ब्राह्मणाः विद्योपार्जनार्थं गताः । कुत्र ?
8. बहुमत्स्योऽयं ह्रदो दृश्यते – कस्य वचनम् ?
9. मगधेश्वरः कः ?
10. भद्रे ! मम तावदेव बुद्धिः । कस्य वचनम् ?

II Write a paragraph on any eight of the following: (2x8 = 16)

11. काव्यम् ।
12. स्थापना ।
13. नान्दी ।
14. व्यायोगः ।
15. भरतवाक्यम् ।
16. इदं धर्मेण योजयेत् ।

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17. दुर्योधनः कं सेनापतिं कर्तुमिच्छति ?
18. कृतापराधो मुनिशापमाप्तवान् - कः ?
19. रूपकम् ।
20. यतोऽनेकां सलिलचर्यामिहं जानामि । कः ?
21. धीवरैः के के गृहीताः ?
22. अपनीयतां एषां चित्रपटः । कस्य वचनम् ? कं प्रति ?

III Write short essays on any six of the following. (6×4=24)

23. सार्द्रं पतन्तु हृदयानि नराधिपानाम् ।
24. राहुवक्त्रान्तरगता चन्द्रलेखेव शोभते ।
25. कृतप्रयत्नेऽपि गृहे न जीवति ।
26. बुद्ध्या यतो हता नन्दाश्चाणक्येनासिपाणयः ।
27. नाशकमस्ति मम देव तव प्रसादात् ।
28. चण्डानिलैश्च कुरुवंशवनं विनष्टम् ।
29. त्वां बाष्परुद्धनयना परिनिश्वसन्तः ।
30. तृणामपि पितृभुक्तं वीर्यगुप्तं स्वराज्यम् ।
31. सर्वे सम्भृत्या कुशलोपपन्ना ।

IV Write essays on any two of the following. (2×15=30)

32. दशरूपकाणि
33. सुयोधनस्य चित्रफलकदर्शनं वर्णयत ।
34. मत्स्यमण्डूककथां संक्षिप्य लिखत ।
35. वासुदेवस्य शस्त्रायुधानि वर्णयत ।

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KSMDB College Sasthamcotta
Third Semester BA Degree Examination September 2019
Sanskrit Special Vedanta Core Course - SV-1331
Time - 3 hrs — Bharathiya Darsana Paricaya — Marks: 80

सूचना : उत्तराणि संस्कृतभाषया देवनागरीलिप्या लेखनीयानि

I वाक्येनैकेन द्वाभ्यां वा उत्तराणि लिखत । (1×10 = 10)

1. प्रमा नाम किम् ?
2. भारतीयदर्शनं कति विधम् ?
3. चार्वाकमते तत्त्वानि कति ? कानि ?
4. जैनदर्शन प्रचारकाः के ?
5. प्रमाणं नाम किम् ?
6. योगलक्षणं किम् ?
7. ब्रह्मसत्यं जगन्मिथ्या इति केषां सिद्धान्तः ?
8. पूर्वमीमांसायाः प्रणेता कः ?
9. अन्तःकरणावच्छिन्नं चैतन्यं किम् ?
10. मीमांसकेषु प्रथमः कः ?

II एकेनैव शब्देनैकया अवा उत्तरयत । (8×2 = 16)

11. शांकरदर्शने गुणत्रयम् ।
12. योगाङ्गानि कति ? कानि ?
13. ब्रह्माणि कति ? कानि ?
14. अपूर्वत्वं नाम किम् ?
15. योगशास्त्रे ईश्वरस्य लक्षणम् किम् ?
16. अविद्या लक्षणं किम् ?
17. एकादशेन्द्रियाणि कानि ?
18. शांकरदर्शने प्रमाणानि कति ? कानि ?

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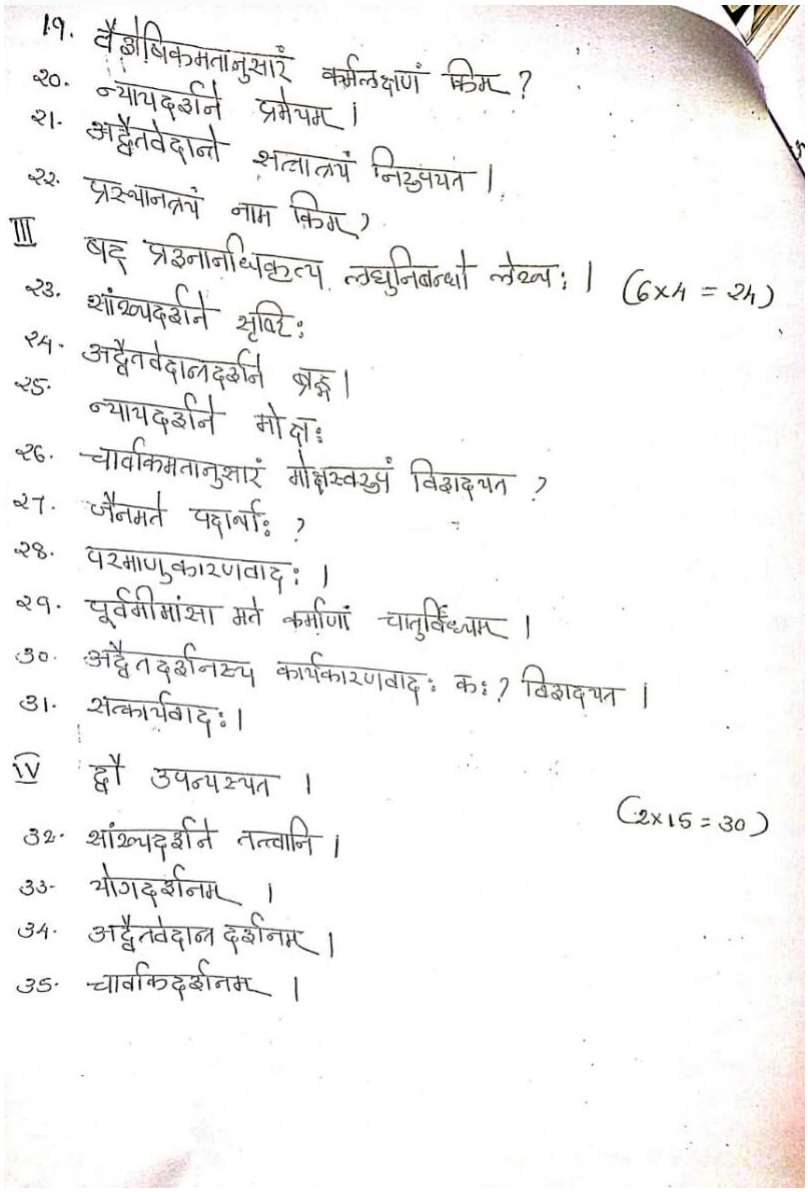

19. वैशेषिकमतानुसारं कर्मलक्षणं किम् ?
20. न्यायदर्शने प्रमेयम् ।
21. अद्वैतवेदान्ते शलाकायं निरूपयत ।
22. प्रस्थानत्रयं नाम किम् ?

III षट् प्रश्नानधिकृत्य लघुनिबन्धौ लेख्यः । (6×4 = 24)

23. सांख्यदर्शने सृष्टिः
24. अद्वैतवेदान्तदर्शने ब्रह्म ।
25. न्यायदर्शने मोक्षः
26. चार्वाकमतानुसारं मोक्षस्वरूपं विवादयत ?
27. जैनमते पदार्थाः ?
28. परमाणुकारणवादः ।
29. पूर्वमीमांसा मते कर्मणां चातुर्विध्यम् ।
30. अद्वैतदर्शनस्य कार्यकारणवादः कः ? विवादयत ।
31. सत्कार्यवादः ।

IV द्वौ उपन्यस्यत । (2×15 = 30)

32. सांख्यदर्शने तत्त्वानि ।
33. योगदर्शनम् ।
34. अद्वैतवेदान्त दर्शनम् ।
35. चार्वाकदर्शनम् ।

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3/10/19
Eng

Semester III B.A English Examination, September 2019

History of English Literature

Time: 3hrs [Marks: 80]

I. Answer all questions, each in a word or sentence.

1. Author of 'In Memoriam'
2. The creator of Jim Dixon
3. The poet known as the 'Laureate of Common man'
4. The theatre associated with Irish Literary Revival
5. ___ was a typical Victorian poet
6. Name the anthology by Robert Conquest
7. ___ was a music group that epitomised the 60's culture
8. Name three Victorian novelists.
9. The first Reform Bill was passed in ___
10. Whose first collection of poems was 'The North Ship'? [10x1 = 10 marks]

II. Answer any eight questions in a short paragraph.

11. Chartism
12. The Poor Law
13. The Reform Act
14. Angry Young Men
15. Greenland
16. Welfare State
17) Influence of Cinema
18) Mary wollstonecraft
19) Various Welfare Acts
20. Poetic drama
21. The Victorian Compromise
22. The 'Theatre of the Absurd' [8x2 = 16 marks]

III. Answer any six of the following in a paragraph:-

23. Feminism in Post War Literature
24. Environmentalism
25. Stream-of-Consciousness technique
26. Fleshly School of poetry
27. Movement Poets
28. Apocalyptic fiction
29. The Campus Novel
30. Post-modernism
31. War Poetry [6x4 = 24 marks]

IV. Write essays on any two of the following:-

32. Discuss the main trends in Post-War British Fiction.
33. What is Post Modernism? What are the characteristics of Post-modern literature?
34. Write an essay on the life in the 1960s, with special reference to the United Kingdom.
35. Features of the Victorian Age.

[15x2 = 30 marks]

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S_5 Mathematics November 2020
Abstract Algebra - Group Theory Internal Exam
Max Marks : 40
Time : 1.30hrs

Section I $(5 \times 1 = 5)$

1. Why the set of odd integers under addition is not a group
2. Find all generators of $\mathbb{Z}_8$
3. Define automorphism of a group G
4. Find the order of $(1\ 2\ 4)(3\ 5\ 6\ 7)$
5. Define center of a group.

Section II $(4 \times 2 = 8)$

6. State and prove Socks - Shoes property
7. Let G be a group and $a \in G$. Prove that $\langle a^{-1} \rangle = \langle a \rangle$
8. Find the order of 7 in $U(15)$
9. Prove that in a group G, there is only one identity element.
10. List the elements of the subgroups $\langle 3 \rangle$ and $\langle 7 \rangle$ in $U(20)$
11. Find the inverse of $\begin{pmatrix} 2 & 6 \\ 3 & 5 \end{pmatrix}$ in $GL(2, \mathbb{Z}_{11})$.

Section III $(3 \times 4 = 12)$

12. Write the Cayley table for D_4
13. Let G be Abelian and $H, K \leq G$. Then prove that $HK = \{hk \mid h \in H, k \in K\}$ is a subgroup of G.
14. Prove that $U(10) \not\cong U(12)$
15. Draw the lattice diagram for $\mathbb{Z}_{30}$
16. How many elements of order 5 are there in A_6.

Section IV $(1 \times 15 = 15)$

17. State and prove Cayley's theorem
18. State and prove Fundamental theorem of cyclic groups

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Internal Examination November 2021

MM 1231.1 CALCULUS WITH APPLICATIONS IN PHYSICS - II

Time : 1.00 hrs **Max. marks :40**

Section –I (5x1=5 Marks)

1. Find $\int_0^1 \int_0^1 \int_0^1 dx\, dy\, dz$
2. Evaluate $\int_0^1 \int_x^2 xdx\, dy$.
3. Show that $\bar{F} = yzi + zxj + xy\, k$ is solenoidal.
4. Define gradient of a scalar field $\emptyset$.
5. Find $\bar{r}'(t)$ where $\overline{r(t)}$=(4+5t)i + (t - t^2)j

Section –II (4x2=8 Marks)

6. Evaluate $\int_0^a \int_0^x \sqrt{x^2 + y^2}\, dy\, dx$.
7. Evaluate the double integral $\iint_R x^2 y\, dx\, dy$, where R is the triangular area bounded by the lines x=0, y=0 and x+y =1.
8. Show that curlgrad $\emptyset$ =0
9. Find the Laplacian of the scalar field $\emptyset = xy^2z^3$
10. If $\overline{f(t)} = (t - t^2)i + 2\,t^3\, j - 3k$ find (i) $\int \overline{f(t)}\, dt$ (ii) $\int_1^2 \overline{f(t)}\, dt$

Section –III (3x4=12 Marks)

11. Find the area bounded between the curve $y = x^2$ above the x- axis and below the line y = 2.
12. Find the volume enclosed by the co-ordinate planes and the portion of the plane x + y + z = 1 in first octant by using double integral.
13. Use a triple integral to find the volume of the solid within the cylinder $x^2 + y^2 = 9$ and between the planes z =1 and x + z =5.
14. The position vector of a particle is $\overline{r(t)} = 2t^2\, i + (3t - 2)j + (3t^2 - 1)k$. Find unit tangent vector and acceleration $\bar{a}$ at t =1.
15. Find curl and divergence if $\bar{F} = x^2y^2\, i + y^2z^2\, j + x^2z^2\, k$ at (1, 1,1)

Section –IV (1x15=15 Marks)

16. Evaluate $\int_{-\infty}^{\infty} e^{-x^2}\, dx$
17. If $r = |\bar{r}| = \sqrt{x^2 + y^2 + z^2}$ prove that $\nabla^2\left(\frac{1}{r}\right) = 0$.
18. Derive the Frenet- Serret formulae for space curves

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DEPARTMENT OF MATHEMATICS
KUMBALATHU SANKUPPILLAI MEMORIAL
DEVASWOM BOARD COLLEGE, SASTHAMCOTTA

Fourth Semester B.Sc.Degree Internal Examinations - June 2017
First Degree Programme under CBCSS

COMPLEMENTARY COURSE FOR STATISTICS

MM 1431.4 : Mathematics-IV : **LINEAR ALGEBRA**

Time: 3 Hours Maximum Marks: 80

SECTION I

All the first 10 questions are compulsory. They carry 1 mark each

1. Define Vectorspace with an example.
2. Define Linear transformation with an example.
3. Write down the standard matrix corresponding to the transformation of reflection in the line $x_2 = -x_1$.
4. If a vectorspace V has a basis of n vectors then every basis of V must consists of exactly ..... vectors.
5. Write the matrix associated with the quadratic form $Q(x) = 5x_1^2 + 3x_2^2 + 2x_3^2 - x_1x_2 + 8x_2x_3$.
6. What are the types of quadratic forms.
7. Write Cauchy- Schwartz inequality in R^n.
8. State Diagonalization theorem.
9. Let A be a 4×3 matrix. What must m and n be in order to define $T : R^m \to R^n$ by $T(x) = Ax$
10. Define Rank of a martrix and find the rank of the matrix : $\begin{bmatrix} 1 & 3 & 0 \\ 0 & 0 & 1 \end{bmatrix}$

SECTION II

Answer **any 8** questions from among the questions **11** to **22** these questions carry **2** marks each

11. If $A = \begin{bmatrix} cos\alpha & -sin\alpha \\ sin\alpha & cos\alpha \end{bmatrix}$, Find A^n.
12. Let $T : R^2 \to R^2$ by $T(x) = \begin{bmatrix} 0 & -1 \\ 1 & 0 \end{bmatrix} \begin{bmatrix} x_1 \\ x_2 \end{bmatrix} = \begin{bmatrix} -x_2 \\ x_1 \end{bmatrix}$. Find images under T of $u = \begin{bmatrix} 4 \\ 1 \end{bmatrix}$, $v = \begin{bmatrix} 2 \\ 3 \end{bmatrix}$ and $u + v = \begin{bmatrix} 6 \\ 4 \end{bmatrix}$.

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13. Find the matrix associated with the Linear transformation

(a) $T(x_1, x_2) = (2x_2 - 3x_1,\ x_1 - 4x_2, 0, x_2)$

(b) $T(x_1, x_2, x_3) = (x_1 - 5x_2 + 4x_3,\ x_2 - 6x_3)$

14. For x in R^3, let $Q(x) = 5x_1^2 + 3x_2^2 + 2x_3^2 - x_1x_2 + 8x_2x_3$. Write this quadratic form as X^TAX.

15. State Existence and Uniqueness theorem on system of linear equations.

16. Is 5 an eigenvalue of $A = \begin{bmatrix} 6 & -3 & 1 \\ 3 & 0 & 5 \\ 2 & 2 & 6 \end{bmatrix}$, explain.

17. Find the characteristic equation of the matrix $A = \begin{bmatrix} 5 & -2 & 6 & -1 \\ 0 & 3 & -8 & 0 \\ 0 & 0 & 5 & 4 \\ 0 & 0 & 0 & 1 \end{bmatrix}$

18. Compute $u \cdot v$ and $v \cdot u$ when $u = \begin{bmatrix} 2 \\ -5 \\ -1 \end{bmatrix}$ and $v = \begin{bmatrix} 3 \\ 2 \\ -3 \end{bmatrix}$

19. Compute the distance between the vectors $u = [7, 1]$ and $v = [3, 2]$.

20. What is the condition for orthogonality between two vectors u and v. Check the orthogonality between the two vectors $u = \begin{bmatrix} 8 \\ -5 \end{bmatrix}$ and $v = \begin{bmatrix} -2 \\ -3 \end{bmatrix}$.

21. If $A = \begin{bmatrix} 2 & 1 & 1 \\ -1 & 2 & -1 \\ 1 & -1 & 2 \end{bmatrix}$ show that $A^3 - 6A^2 + 11A - 6I = 0$.

22. Find the index of the nilpotent matrix $\begin{bmatrix} 0 & 0 & 0 \\ 2 & 0 & 0 \\ 0 & -2 & 0 \end{bmatrix}$.

SECTION III

Answer **any 6** questions from among the questions **23** to **31** these questions carry **4** marks each

23. Let $H = \{(a - 3b, b - a, a, b);\ a \text{ and } b \text{ in } R\}$. Show that H is a subspace of R^4.

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24. Diagonalise the matrix $\begin{bmatrix} 5 & 4 \\ 1 & 2 \end{bmatrix}$.

25. Solve the system of linear equations $x_1 - 2x_2 + x_3 = 0; 2x_2 - 8x_3 = 8; -4x_1 + 5x_2 + 9x_3 = -9$

26. Show that $\{v_1, v_2, v_3\}$ is an orthonormal basis of R^3, where $v_1 = [3, 1, 1]$, $v_2 = [-1, 2, 1]$ and $v_3 = [-1, -4, 7]$.

27. Check whether $\{(-1, 1, 2), (2, -3, 1), (10, -14, 0)\}$ is a basis for R^3 over R or not.

28. Determine the eigen vectors of $A = \begin{bmatrix} 3 & 2 & 0 \\ 2 & 2 & 2 \\ 0 & 2 & 1 \end{bmatrix}$

29. Define linear independency of set of p vectors $v_1, v_2, \ldots, v_p$. Let $v_1 = (1, 2, 3)$, $v_2 = (4, 5, 6)$, $v_3 = (2, 1, 0)$, determine if the set $\{v_1, v_2, v_3\}$ is linearly independent or not.

30. Find the dimension of the subspace $H = \{(a - 3b + 6c, 5a + 4d, b - 2c - d, 5d);\ a, b, c, d \text{ in } R\}$

31. Let $y = (7, 6)$ and $u = (4, 2)$. Find the orthogonal projection of y onto u. Then write y as the sum of two orthogonal vectors, one in span$\{u\}$ and one orthogonal to u.

SECTION IV

Answer **any 2** questions from among the questions **32** to **35** these questions carry **15** marks each

32. Prove that $\begin{bmatrix} -9 & 4 & 4 \\ -8 & 3 & 4 \\ -16 & 8 & 7 \end{bmatrix}$ is diagonalisable and find the diagonal form.

33. State principal Axes theorem. Make a change of variable that transforms the quadratic form $Q(x) = x_1^2 - 8x_1x_2 - 5x_2^2$ into a quadratic form with no cross product term.

34. a) Let $T : R^m \to R^n$ be a linear transformation and let $\{v_1, v_2, v_3\}$ be a linearly independent set in R^m. Show that the set $\{T(v_1), T(v_2), T(v_3)\}$ is also linearly independent

b)Find four basis for R^3 over R, no two of which have a vector in common.

35. Let $A = \begin{bmatrix} 1 & -3 \\ 3 & 5 \\ -1 & 7 \end{bmatrix}$, $u = \begin{bmatrix} 2 \\ -1 \end{bmatrix}$, $b = \begin{bmatrix} 3 \\ 2 \\ -5 \end{bmatrix}$, $c = \begin{bmatrix} 3 \\ 2 \\ 5 \end{bmatrix}$ and define a transformation $T : R^2 \to R^3$ by $T(X) = AX$. (a) Find $T(\mathbf{u})$.

(b) Find an $\mathbf{x}$ in R^2, whose image under T is $\mathbf{b}$.

(c) Is there more than one $\mathbf{x}$ whose image under T is $\mathbf{b}$.

(d) Determine if $\mathbf{c}$ is in the range of the transformation T.

Sample Answer sheets of model internal exam conducted by CLMC and DLMC

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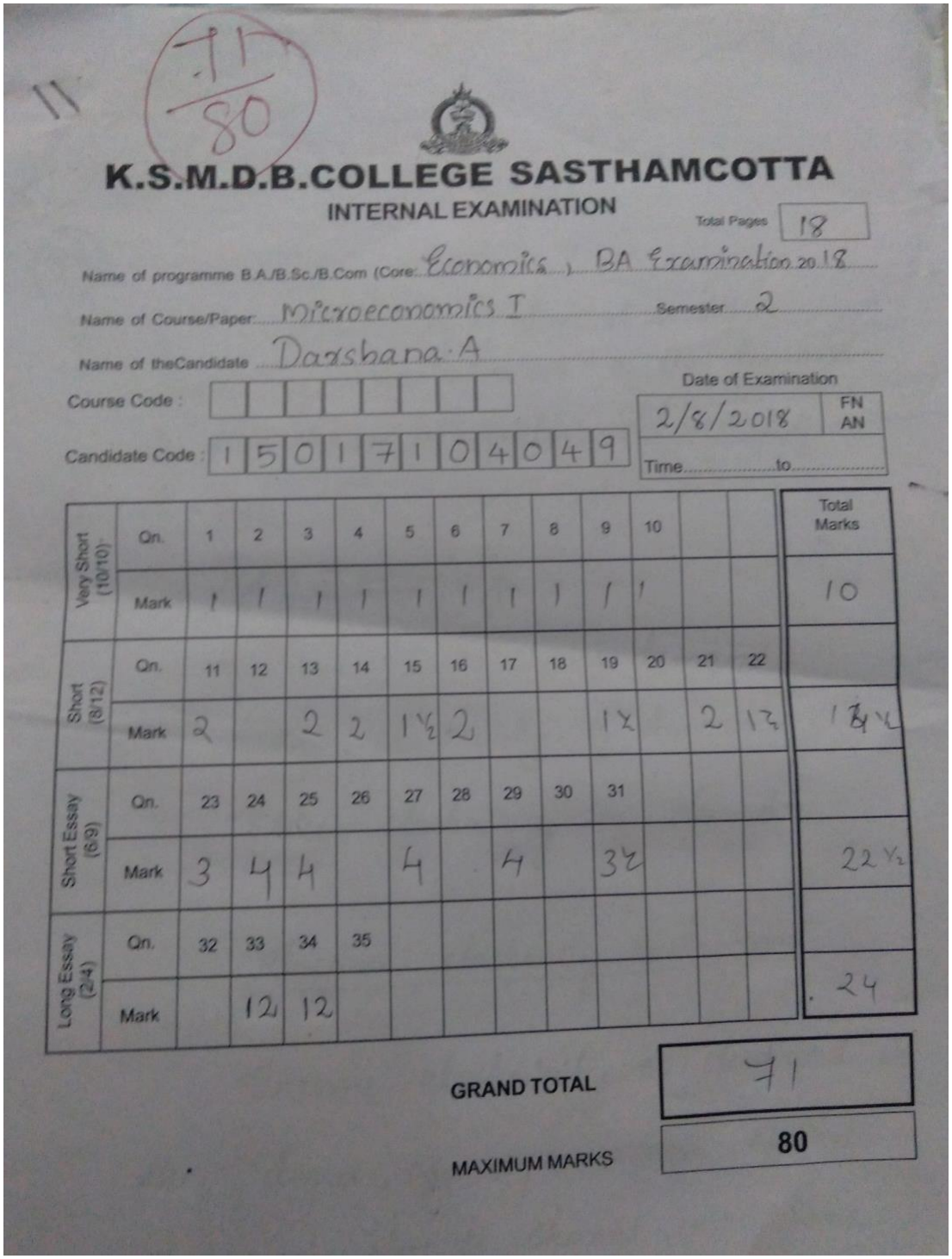

11 71/80

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INTERNAL EXAMINATION

Total Pages 18

Name of programme B.A./B.Sc./B.Com (Core: Economics) BA Examination 2018

Name of Course/Paper: Microeconomics I Semester 2

Name of theCandidate Darshana.A

Course Code :

Candidate Code : 1501710404 9

Date of Examination 2/8/2018 FN AN

Time to

													Total Marks
Very Short (10/10)	Qn.	1	2	3	4	5	6	7	8	9	10		
	Mark	1	1	1	1	1	1	1	1	1	1		10
Short (8/12)	Qn.	11	12	13	14	15	16	17	18	19	20	21	22	
	Mark	2		2	2	1½	2			1½		2	1½	13½
Short Essay (6/9)	Qn.	23	24	25	26	27	28	29	30	31				
	Mark	3	4	4		4		4		3½				22½
Long Essay (2/4)	Qn.	32	33	34	35									
	Mark		12	12										24

GRAND TOTAL 71

MAXIMUM MARKS 80

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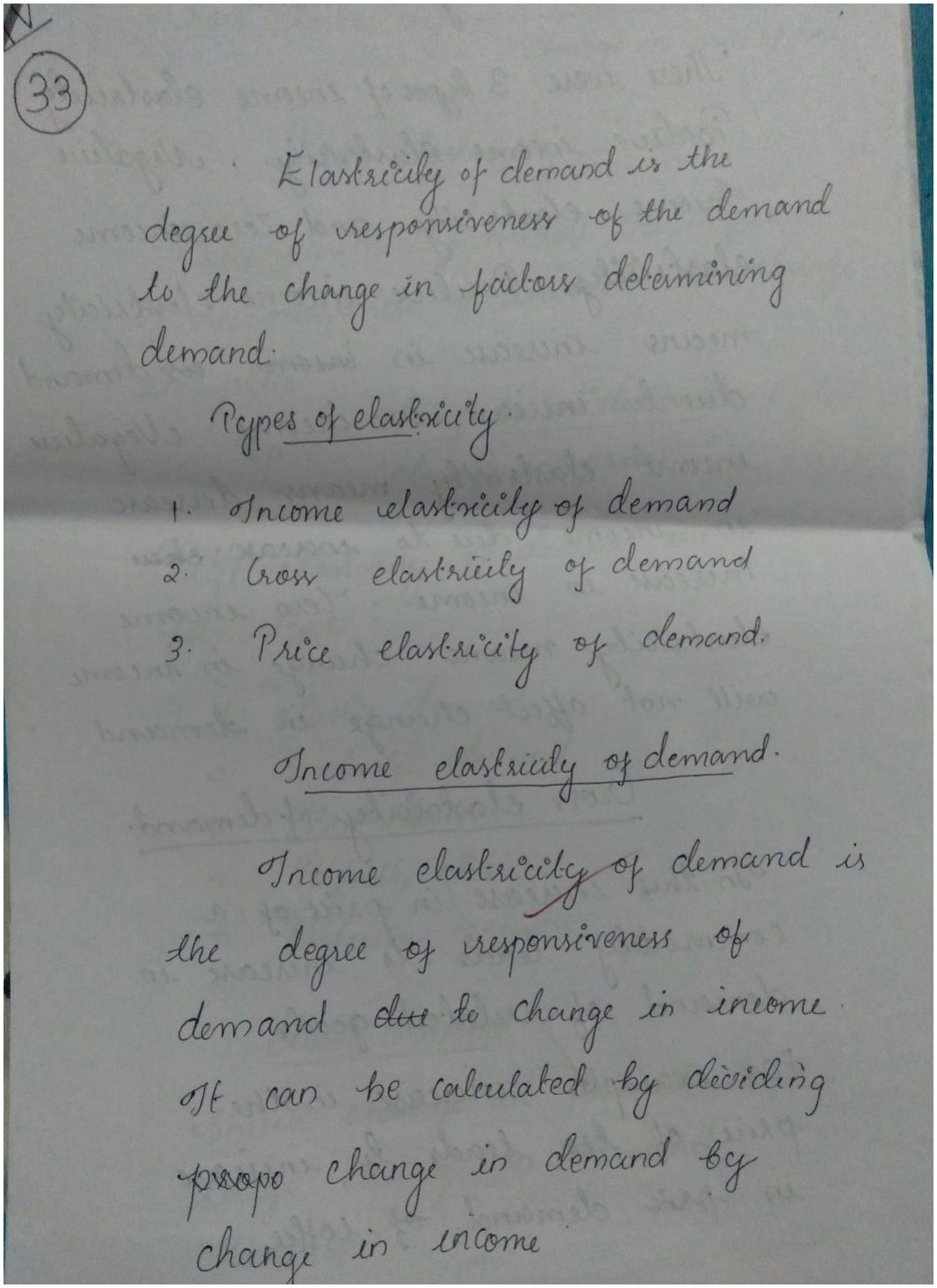

33

Elasticity of demand is the degree of responsiveness of the demand to the change in factors determining demand.

Types of elasticity.

1. Income elasticity of demand
2. Cross elasticity of demand
3. Price elasticity of demand.

Income elasticity of demand.

Income elasticity of demand is the degree of responsiveness of demand due to change in income. It can be calculated by deviding propo change in demand by change in income

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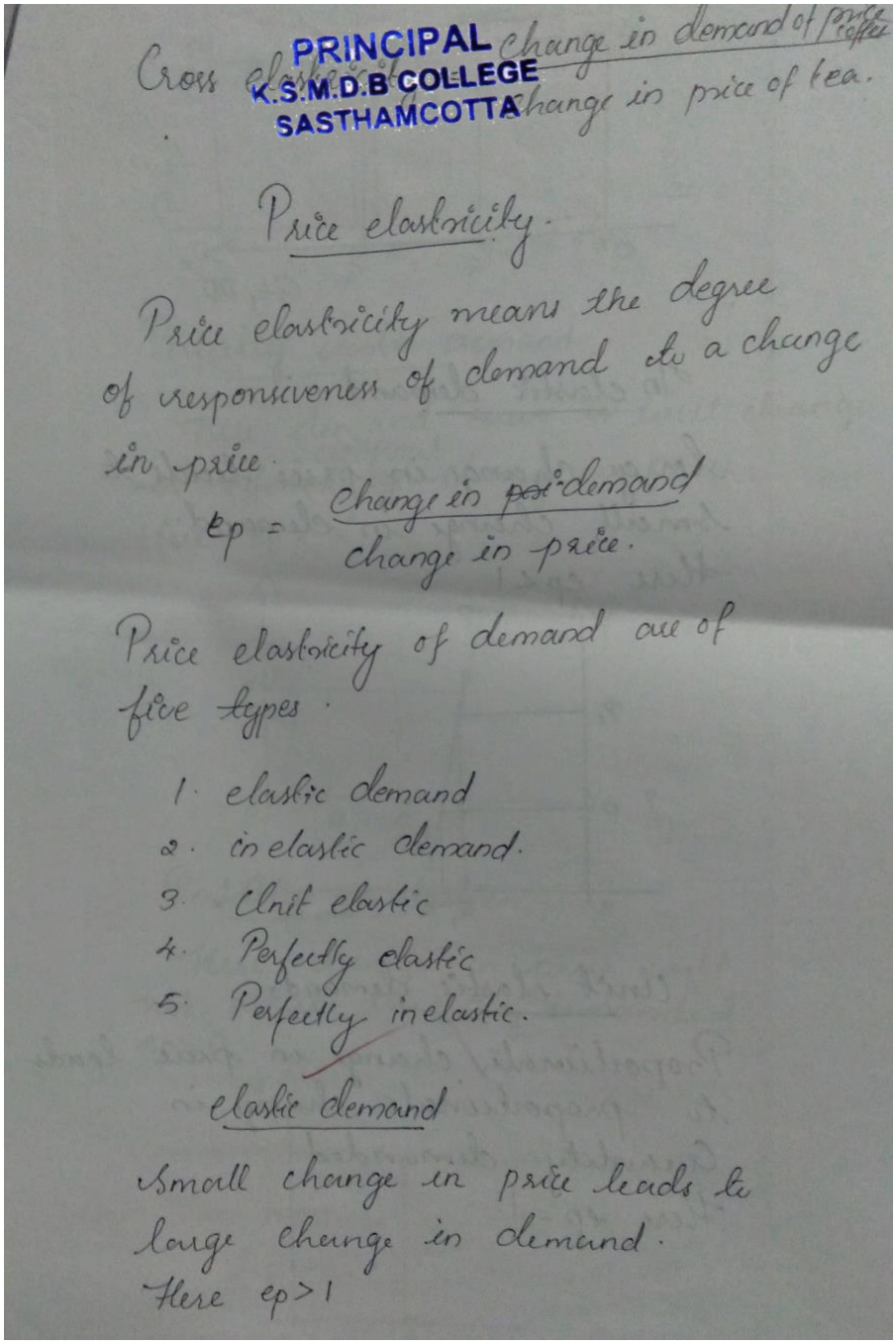
$$Ey = \frac{\text{Change in demand}}{\text{Change in income.}}$$

There were 3 types of income elasticity Positive income elasticity, Negative Income elasticity and zero income elasticity. Positive income elasticity means increase in ~~income~~ as demand due to increase in income. Negative income elasticity means decrease in income due to ~~decrease~~ then increase in income. Zero income elasticity means change in income will not affect change in demand.

Cross elasticity of demand.

In this increase in price of a commodity leads to increase in demand of related goods. For example increase in the price of tea leads to increase in price demand of coffee.



Cross elasticity of demand = change in demand of coffee / change in price of tea.

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Price elasticity.

Price elasticity means the degree of responsiveness of demand to a change in price.

$$ep = \frac{\text{change in demand}}{\text{change in price.}}$$

Price elasticity of demand are of five types.

1. elastic demand
2. inelastic demand.
3. Unit elastic
4. Perfectly elastic
5. Perfectly inelastic.

elastic demand

Small change in price leads to large change in demand.
Here $ep > 1$

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7.12/10

562

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INTERNAL EXAMINATION

Total Pages

Name of programme B.A./B.Sc./B.Com (Core: ZOOLOGY) 20

Name of Course/Paper: GENETICS & BIOTECH Semester V

Name of theCandidate NISHA. K. S

Course Code :

Candidate Code : 2 5 0 1 6 1 0 4 0 0 8

Date of Examination 06/12/2018 FN ✓ AN

Time 10:00 AM to 1:00 PM

														Total Marks
Very Short (10/10)	Qn.	1	2	3	4	5	6	7	8	9	10			
	Mark		½	1			1	1	1	1	1			6½
Short (8/12)	Qn.	11	12	13	14	15	16	17	18	19	20	21	22	
	Mark	2	2			½	2		1½		2		2	12
Short Essay (6/9)	Qn.	23	24	25	26	27	28	29	30	31				
	Mark		4	4		4	4		4	4				24
Long Essay (2/4)	Qn.	32	33	34	35									
	Mark				14									14

GRAND TOTAL 562

MAXIMUM MARKS 80

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INTERNAL EXAMINATION

Total Pages: 5

Name of programme B.A./B.Sc./B.Com (Core: Zoology) 2017

Name of Course/Paper: Methodology and Perspectives in Science Semester: 3

Course Code : Z 0 1 3 4 1

Candidate Code : 2 5 0 1 6 1 0 4 0 3 1

Date of Examination: 24-11-17 FN AN

Time: 10 am to 1 pm

	Qn.													Total Marks
Very Short (10/10)	Mark				1			1	1		½			3½
Short (8/12)	Qn.	11	12	13	14	15	16	17	18	19	20	21	22	
	Mark	0		½						2				2½
Short Essay (6/9)	Qn.	23	24	25	26	27	28	29	30	31				
	Mark						2	1	1	2				7
Long Essay (2/4)	Qn.	32	33	34	35									
	Mark		1½	12										24

4.625

GRAND TOTAL: 37

MAXIMUM MARKS: 80

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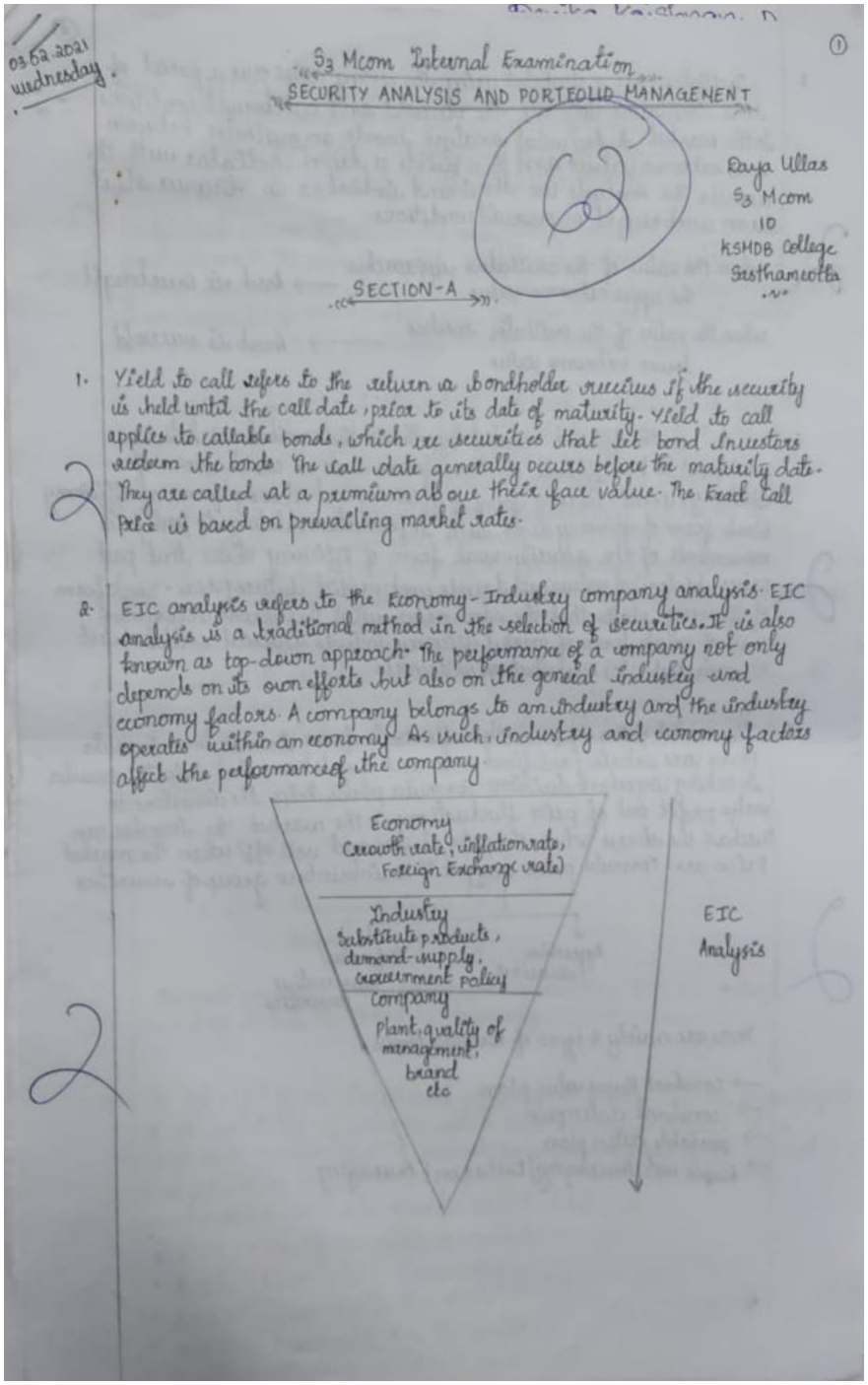

03.02.2021
Wednesday

S3 Mcom Internal Examination
SECURITY ANALYSIS AND PORTFOLIO MANAGEMENT

Raja Ullas
S3 Mcom
10
KSMDB College
Sasthamcotta

SECTION-A

1. Yield to call refers to the return a bondholder receives if the security is held until the call date, prior to its date of maturity. Yield to call applies to callable bonds, which are securities that let bond investors redeem the bonds. The call date generally occurs before the maturity date. They are called at a premium above their face value. The exact call price is based on prevailing market rates.

2. EIC analysis refers to the Economy-Industry company analysis. EIC analysis is a traditional method in the selection of securities. It is also known as top-down approach. The performance of a company not only depends on its own efforts but also on the general industry and economy factors. A company belongs to an industry and the industry operates within an economy. As such, industry and economy factors affect the performance of the company.

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10. Support and resistance are specific price points on a chart expected to attract the maximum amount of either buying or selling. Support is the price below which the share price will not fall. Each time when the price is falling it reach the support level and bounce back to rise. When the price reaches the support level there will be more buyers than sellers. Resistance is the upper price level in the pattern beyond which the price will not rise. Each time the rising price reach the resistance level, the price will fall back. When the price reaches the resistance level there will be more sellers than buyers.

SECTION - B

11. Fundamental analysis is a technique that attempts to determine a security's intrinsic value focusing on related economic and financial factors that affect a company's actual business and its future prospects.

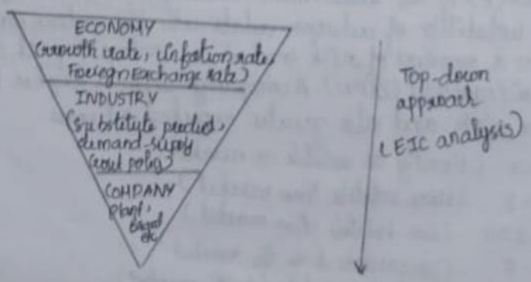
Approaches of Fundamental analysis

There are mainly two kinds of approaches

- Top-down approach
- Bottom up approach.

Top-down approach is also known as EIC analysis. That is Economy, industry company analysis. EIC analysis is a traditional method in the selection of securities. The performance of a company not only depend on its own efforts but also on the general industry and economic factors. A company belongs to an industry and the industry operates within an economy. As such, industry and economy factors affects the performance of the company.

Top down Approach



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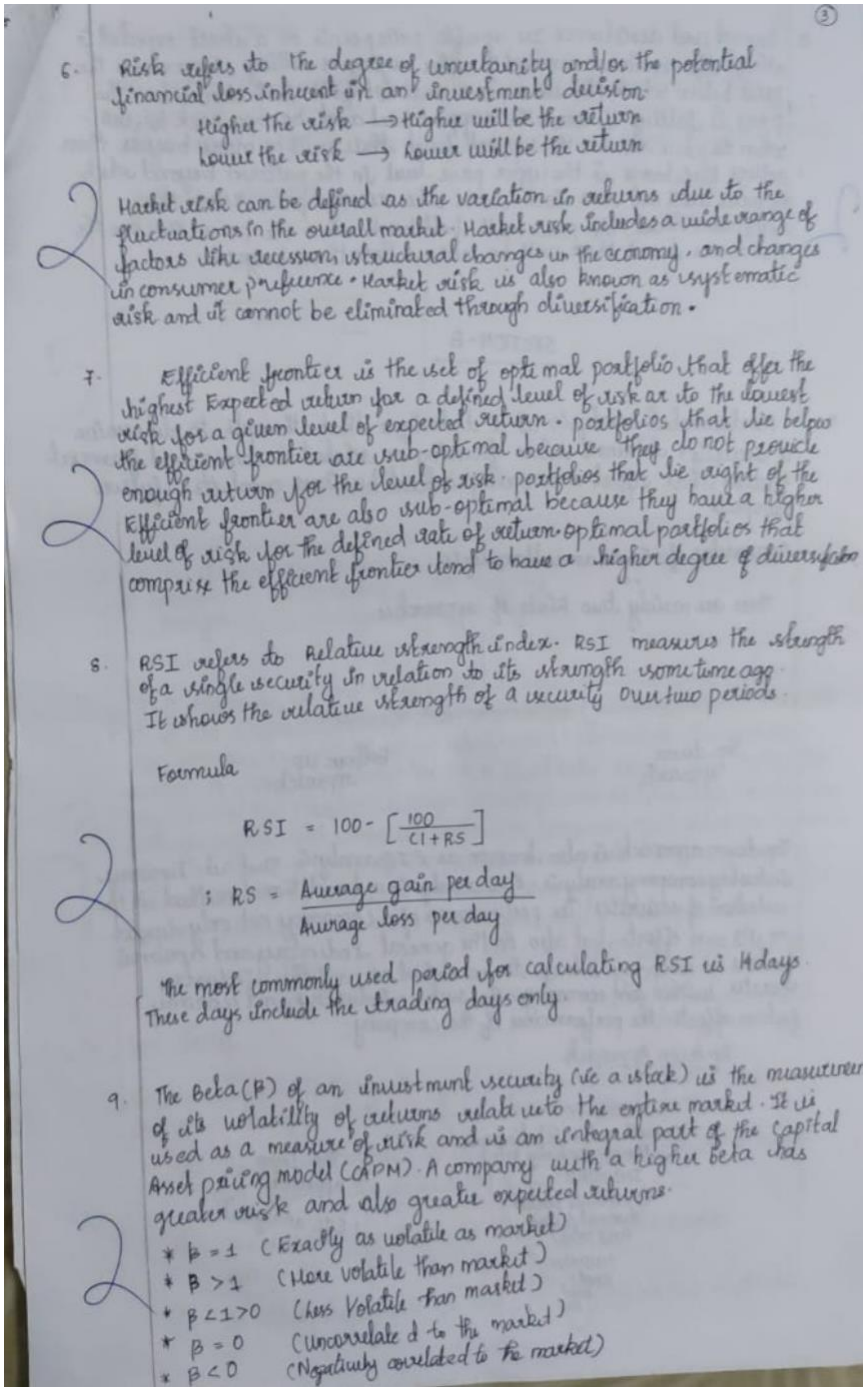

③

6. Risk refers to the degree of uncertainty and/or the potential financial loss inherent in an investment decision.
Higher the risk → Higher will be the return
Lower the risk → Lower will be the return

Market risk can be defined as the variation in returns due to the fluctuations in the overall market. Market risk includes a wide range of factors like recessions, structural changes in the economy, and changes in consumer preference. Market risk is also known as systematic risk and it cannot be eliminated through diversification.

7. Efficient frontier is the set of optimal portfolio that offer the highest Expected return for a defined level of risk or the lowest risk for a given level of expected return. portfolios that lie below the efficient frontier are sub-optimal because they do not provide enough return for the level of risk. portfolios that lie right of the Efficient frontier are also sub-optimal because they have a higher level of risk for the defined rate of return. optimal portfolios that comprise the efficient frontier tend to have a higher degree of diversifica

8. RSI refers to Relative strength index. RSI measures the strength of a single security in relation to its strength some time ago. It shows the relative strength of a security over two periods.

Formula

$$RSI = 100 - \left[\frac{100}{(1+RS)}\right]$$

$$; RS = \frac{\text{Average gain per day}}{\text{Average loss per day}}$$

The most commonly used period for calculating RSI is 14 days. These days include the trading days only.

9. The Beta(β) of an investment security (ie a stock) is the measurement of its volatility of returns relative to the entire market. It is used as a measure of risk and is an integral part of the Capital Asset pricing model (CAPM). A company with a higher beta has greater risk and also greater expected returns.
* β = 1 (Exactly as volatile as market)
* β > 1 (More volatile than market)
* β < 1 > 0 (less Volatile than market)
* β = 0 (Uncorrelated to the market)
* β < 0 (Negatively correlated to the market)

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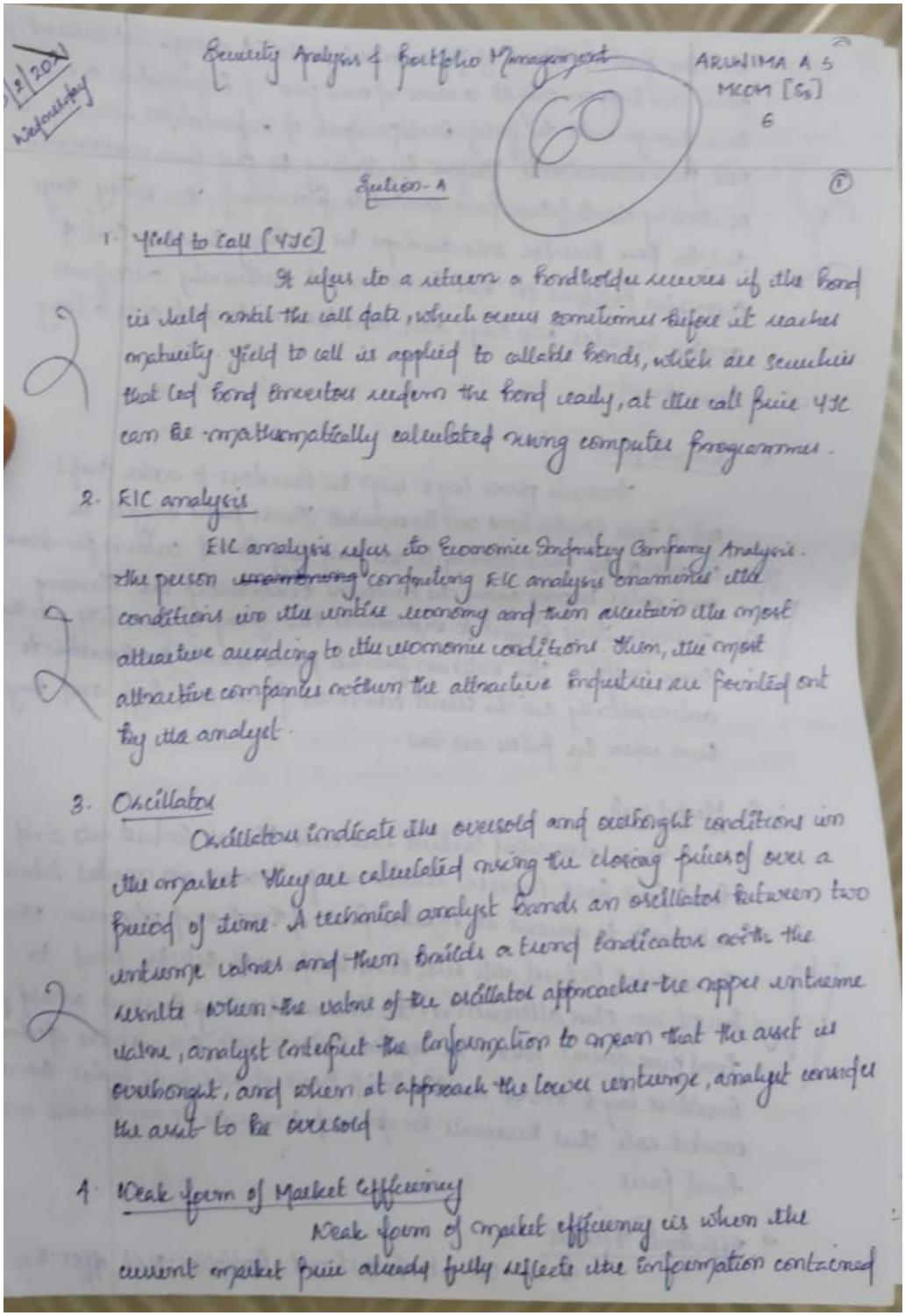

Security Analysis & Portfolio Management

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MCOM [CS]
6

60

Section - A

1. Yield to Call [YTC]

It refers to a return a bondholder receives if the bond is held until the call date, which occurs sometimes before it reaches maturity. Yield to call is applied to callable bonds, which are securities that let bond investors redeem the bond early, at the call price. YTC can be mathematically calculated using computer programmes.

2. EIC analysis

EIC analysis refers to Economic Industry Company Analysis. The person ~~undertaking~~ conducting EIC analysis examines the conditions in the entire economy and then ascertain the most attractive according to the economic conditions. Then, the most attractive companies within the attractive industries are picked out by the analyst.

3. Oscillator

Oscillators indicate the oversold and overbought conditions in the market. They are calculated using the closing prices of over a period of time. A technical analyst bounds an oscillator between two extreme values and then builds a trend indicator with the results when the value of the oscillator approaches the upper extreme value, analyst interpret the information to mean that the asset is overbought, and when it approach the lower extreme, analyst considers the asset to be oversold.

1. Weak form of Market Efficiency

Weak form of market efficiency is when the current market price already fully reflects the information contained

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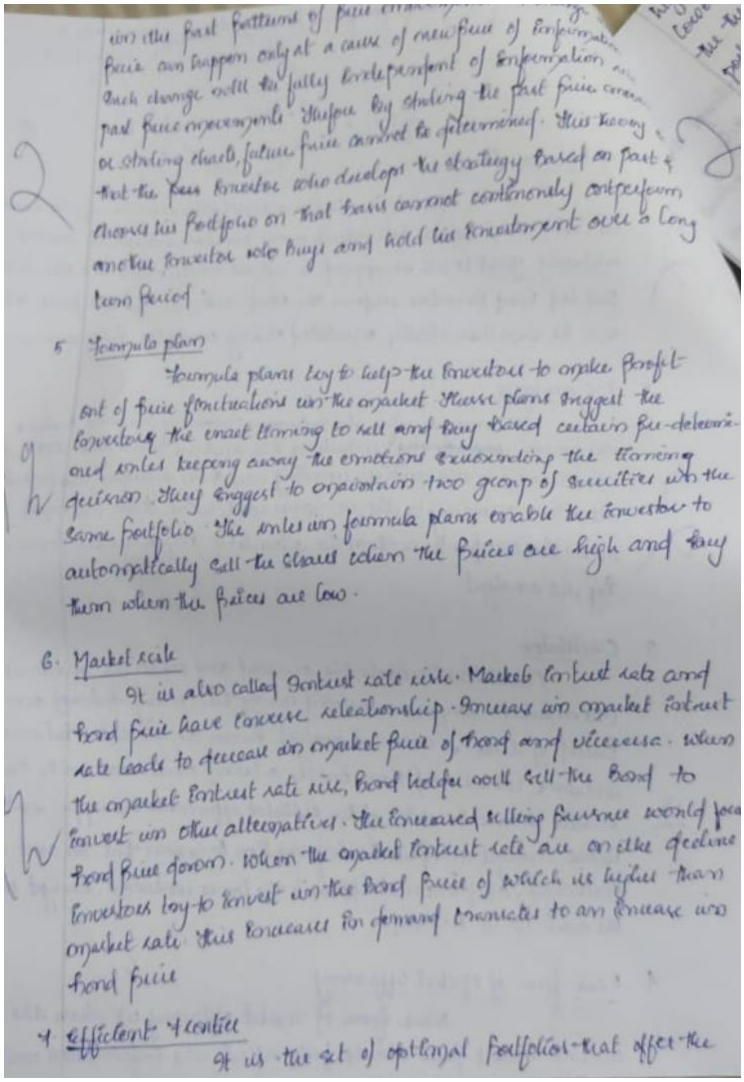

in the past patterns of price
price can happen only at a case of new piece of information
such change will be fully independent of information
past price movements. Thefore by studying the past price
or studying charts, future price cannot be determined. This theory
that the pass investor who develops the strategy based on past
chooses his portfolio on that basis cannot continuously outperform
another investor who buys and hold his investment over a long
term period

5. Formula plans

Formula plans try to help the investors to make profit
out of price fluctuations in the market. These plans suggest the
investing the exact timing to sell and buy based certain pre-determi-
ned rules keeping away the emotions influencing the timing
decision. They suggest to organisation two group of securities in the
same portfolio. The rules in formula plans enable the investor to
automatically sell the shares when the prices are high and buy
them when the prices are low.

6. Market rate

It is also called interest rate risk. Market interest rate and
bond price have inverse relationship. Increase in market interest
rate leads to decrease in market price of bond and viceversa. When
the market interest rate rise, bond holder will sell the bond to
invest in other alternatives. The increased selling pressure would pus
bond price down. When the market interest rate are on the decline
investors try to invest in the bond price of which is higher than
market rate. This increase in demand translates to an increase in
bond price

7. Efficient frontier

It is the set of optimal portfolios that offer the

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INTERNAL EXAMINATION

Total Pages: 6

Name of programme ~~B.A./~~B.Sc./~~B.Com~~ (Core: Botany) 20

Name of Course/Paper: English Semester: 1st

Name of theCandidate: Meera Biju

Course Code: E N 1 1 1 1 . 1

Candidate Code: 7

Date of Examination: FN / AN

Time: to

	Qn.												Total Marks
Very Short (10/10)	Mark	1	1	1			1	1	1	1	1			8
Short (8/12)	Qn.	11	12	13	14	15	16	17	18	19	20	21	22	
	Mark		1½	½		2	½		1½	2	2			11
Short Essay (6/9)	Qn.	23	24	25	26	27	28	29	30	31				
	Mark		3	3½	3½			3½	4	4				21½
Long Essay (2/4)	Qn.	32	33	34	35									
	Mark		12	13										25

GRAND TOTAL: 65½

MAXIMUM MARKS: 80

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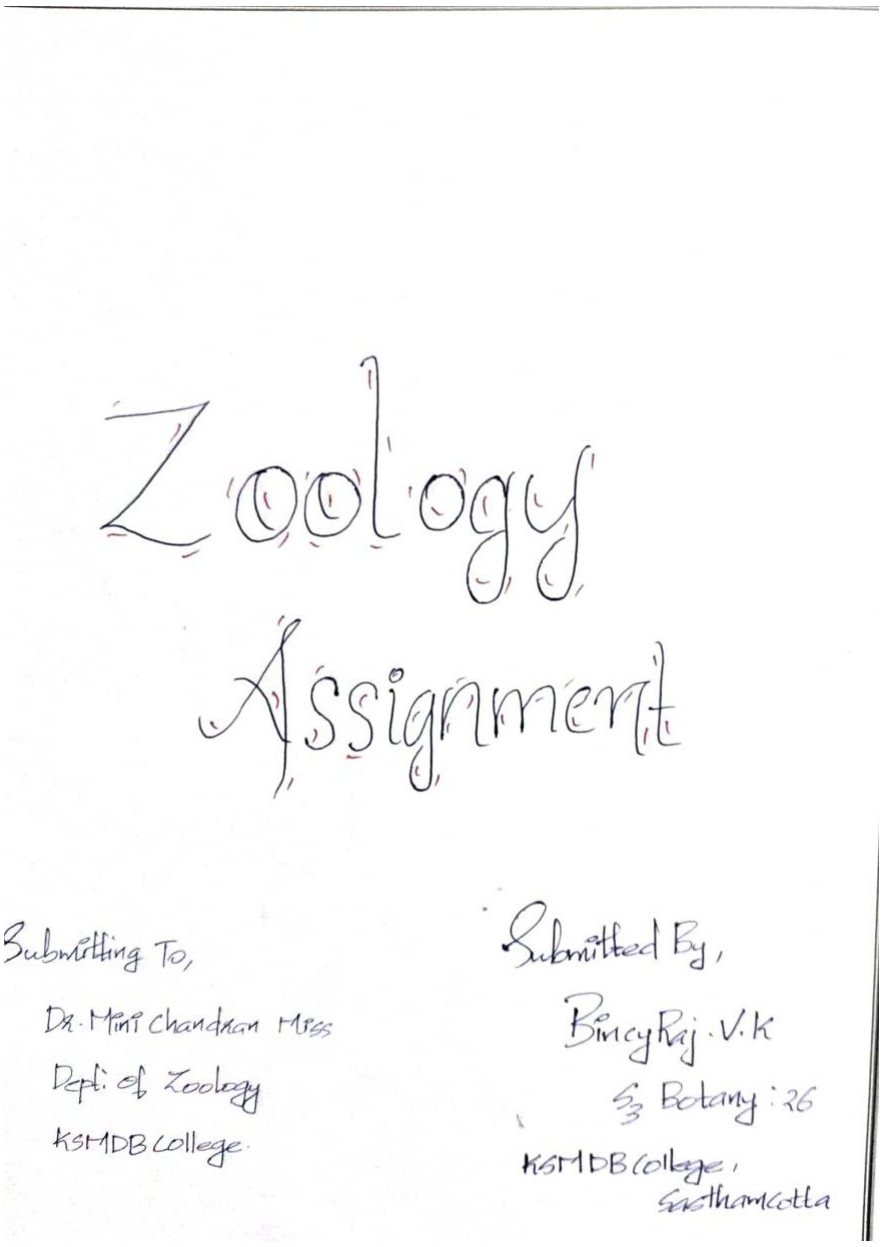
SAMPLE ASSIGNMENTS



Zoology

Assignment

Submitting To,

Dr. Mini Chandran Miss

Dept. of Zoology

KSMDB College.

Submitted By,

Bincy Raj. V.K

S3 Botany : 26

KSMDB College,

Sasthamcotta

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Outline Classification
of
Food Components

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Food is essential to sustain growth and to maintain the health of all individuals at an optimum level. Deficiency of any one constituent may lead to abnormal developments in the body. A definite amount of each constituent is required by the body and this amount is provided in the diet to maintain health. The important components of food are. Carbohydrates, fats, proteins, vitamins, minerals, water and fibre. These constituents fulfill caloric requirements, provide building material of the tissue and control metabolic activity of the body and water balance. Every constituent is important in its own way.

⇒ Outline classification of foodstuffs.

Basically, foods can be divided into three major groups - energy providing foods, growth promoting foods and protective foods. The energy providing foods furnish the necessary calories for body

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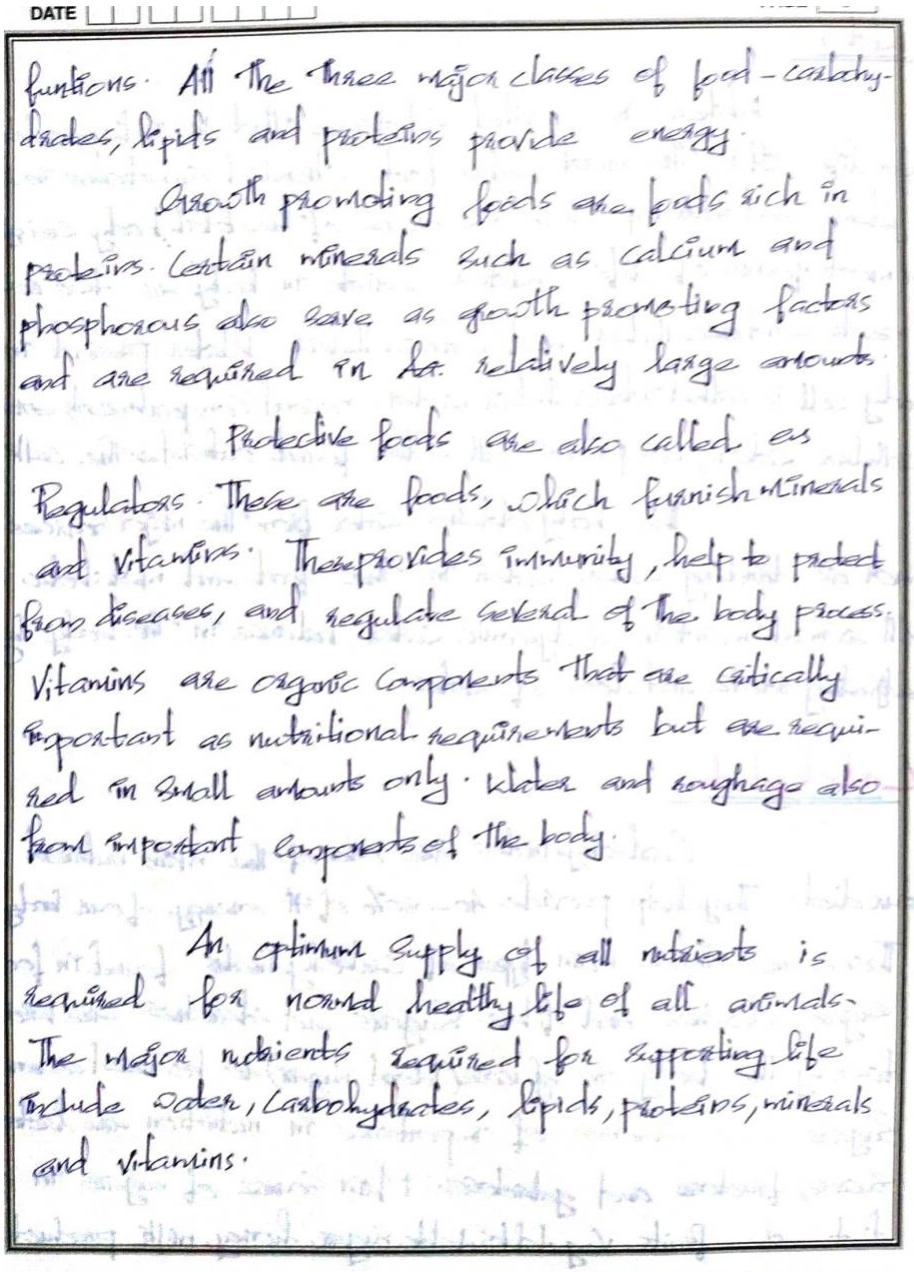
DATE



functions. All the three major classes of food - carbohydrates, lipids and proteins provide energy.

Growth promoting foods are foods rich in proteins. Certain minerals such as calcium and phosphorous also serve as growth promoting factors and are required in relatively large amounts.

Protective foods are also called as Regulators. These are foods, which furnish minerals and vitamins. These provides immunity, help to protect from diseases, and regulate several of the body process. Vitamins are organic components that are critically important as nutritional requirements but are required in small amounts only. Water and roughage also form important components of the body.

An optimum supply of all nutrients is required for normal healthy life of all animals. The major nutrients required for supporting life include water, Carbohydrates, lipids, proteins, minerals and vitamins.

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and cereals.

Starches are the cheapest and most abundant natural carbohydrates. We obtain starches from cereals, root tubers and stem tubers. Fibre is the part of food that is not broken down by the body and which is required for smooth passage of food through the colon. High-fibre foods include whole grains, such as whole wheat and brown rice as well as whole-grain breads, cereals etc.. There are two types of fibres - insoluble fibre that adds bulk to your stools and soluble fibre that help lower cholesterol in our body.

Lipids:-

Lipids account for about 40% of the body's organic matter. The major subclasses of lipids are simple lipids (triacylglycerols), compound lipids (phospholipids, glycolipids, etc..) and derived lipids (such as steroids, fat soluble vitamins, alcohols, etc..). The main dietary sources of lipid for our body are milk and milk-products, fish, meat, lard, cooking oils, oilseeds, nuts, etc.

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PROJECT AND INTERNSHIP

Students actively undergo internship and conduct projects and field works for gaining practical experience from the industry.

LIST OF PROJECTS AND INTERNSHIP

ALUMINIUM INDUSTRIES LIMITED

ALIND

DCE/0334

08th Mar. 2021

The Head Of Department,
Department of Commerce,
Kumbalathu Sankupillai Memorial Devaswom Board College,
Sasthamcotta, Kollam-690 521

Sir,

Sub: Permission for Internship – reg

Ref: Your Letter dt: 08/03/2021

This has reference to your letter dated: 08/03/2021 regarding permission for the following, M.Com students during academic year 2019 - 21 to undertake an internship in our company. You are hereby informed that permission is hereby granted for the same from 09th Mar. 2021 to 22nd Mar. 2021.

Sl. No.	Name
1.	PARVATHY. P
2.	ARYA. J
3.	NISHA T SAJI
4.	DHANYA. U
5.	DEVIKA KRISHNAN. D
6.	NIMISHA. B

Kindly inform the students accordingly.

For ALUMINIUM INDUSTRIES LIMITED,

Divisional Chief Executive

Registered Office : No. 1, Ceramic Factory Road, Kundara, Kollam, Kerala - 691 501. Ph : 0474-2580828, 2520820, E-mail : kundaraalind@gmail.com
Corporate Office : 147, Jolly Maker Chamber II. 225, Nariman Point, Mumbai - 400021. Tel : 91-22-2202 6263, Fax : 91-22-2202 9293
CIN : U27203KL1945PLC000057

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KOLLAM

DISTRICT TOURISM PROMOTION COUNCIL

Near KSRTC Bus Stand, Kollam, Kerala - 691 001, India
Phone : 0474-2750170, 2745625, Fax : ++91 - 474 - 2750170
E-mail : contact@dtpckollam.com Website : www.dtpckollam.com

DTPC – K/47/B/2021 20/03/2021

CERTIFICATE

This is to certify that **Kumary Daya Ullas** M.COM student of Kumabalathu Sankupillai Memorial Devaswom Board College, Sastahmcotta, Kollam, Kerala -690521 has successfully completed her internship from 8th March 2021 to 19th March 2021 under District Tourism Promotion Council, Kollam. During this internship period she got experience at Various Units of District Tourism Promotion Council, Kollam.

She is efficient in carrying out the works entrusted and the character and conduct during the period found good.

DISTRICT TOURISM PROMOTION COUNCIL ★ DTPC KOLLAM

Executive Administration

KUMBALATHU SANKUPILLAI MEMORIAL DEVASWOM BOARD COLLEGE ★ SASTHAMCOTTA, KOLLAM DIST., KERALA, INDIA, 690521 ★

PRINCIPAL
K.S.M.D.B COLLEGE
SASTHAMCOTTA

HLL Lifecare Limited
(A Government of India Enterprise)

HMA
HLL Management Academy

HLL/HMA/STUD-PROJ/MAR-2021/ 26/03/2021

TO WHOMSOEVER IT MAY CONCERN

This is to certify that **Ms. Arunima A.S, M.Com** student of **Kumbalathu Sankupillai Memorial Devaswom Board College, Sasthamcotta, Kollam – 690521** has successfully completed the internship in the area of HR & Finance under the guidance of Shri.Rajeev Nair, Manager (HR), at Corporate Head Office, HLL Lifecare Ltd, Poojapura, Thiruvananthapuram facilitated by **HLL Management Academy**. The period of internship was from 12/03/2021 to 26/03/2021. A copy of the report has been submitted

We wish **Ms. Arunima A.S** all success in her future endeavors.

HLL MANAGEMENT ACADEMY
HMA
TC.4/1607, Keston Road, Kowdiar
Ph: 0471 2724330 / 2312101
Thiruvananthapuram - 695003

Ashish Nair
Senior Manager (HMA)

KUMBALATHU SANKUPILLAI MEMORIAL DEVASWOM BOARD COLLEGE
SASTHAMCOTTA, KOLLAM DIST., KERALA, INDIA - 690521

PRINCIPAL
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HMA, TC 4/1607, Keston Road, Kowdiar P.O., Thiruvananthapuram, Kerala - 695003 INDIA
Ph : 0471 - 2724330 / 2312101, email : hma@lifecare.com, Website : www.hllacademy.in
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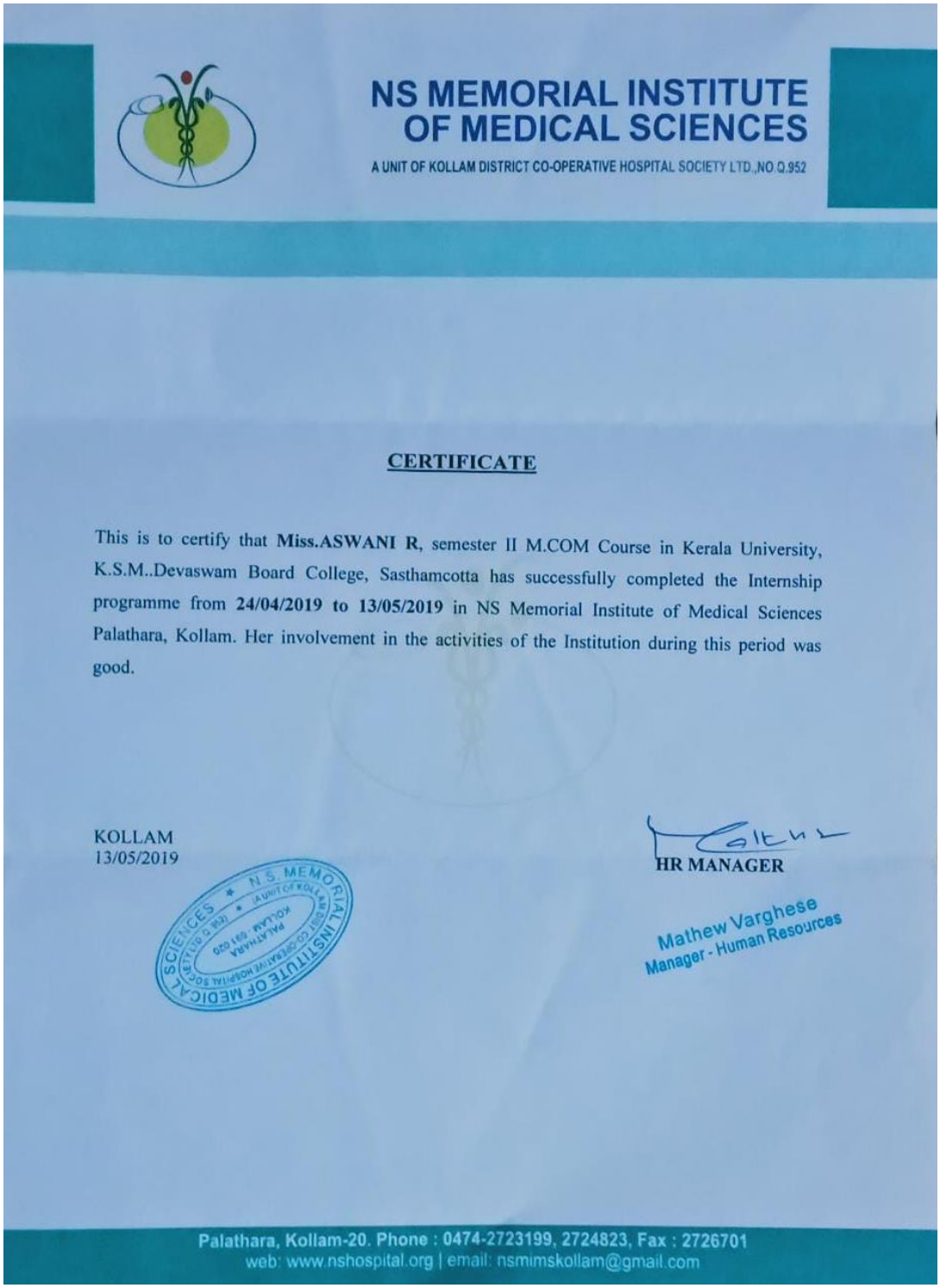

NS MEMORIAL INSTITUTE OF MEDICAL SCIENCES

A UNIT OF KOLLAM DISTRICT CO-OPERATIVE HOSPITAL SOCIETY LTD.,NO.Q.952

CERTIFICATE

This is to certify that **Miss.ASWANI R**, semester II M.COM Course in Kerala University, K.S.M..Devaswam Board College, Sasthamcotta has successfully completed the Internship programme from **24/04/2019 to 13/05/2019** in NS Memorial Institute of Medical Sciences Palathara, Kollam. Her involvement in the activities of the Institution during this period was good.

KOLLAM
13/05/2019

HR MANAGER

Mathew Varghese
Manager - Human Resources

Palathara, Kollam-20. Phone : 0474-2723199, 2724823, Fax : 2726701
web: www.nshospital.org | email: nsmimskollam@gmail.com

KUMBALATHU SANKUPILLAI MEMORIAL DEVASWOM BOARD COLLEGE SASTHAMCOTTA, KOLLAM DIST., KERALA, INDIA-690521

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We wish **Ms. Arunima A.S** all success in her future endeavors.

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Ashish Nair
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