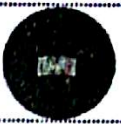
	TANTA UNIVERSITY FACULTY OF PHARMACY DEPARTMENT OF PHARMACOGNOSY				
	FINAL EXAM FOR FOURTH YEAR CLINICAL STUDENTS				
	COURSE TITLE:	Phytotherapy		COURSE CODE: PG 807	
DATE:	12/6/2017	TERM: SECOND	TOTAL ASSESSMENT MARKS: 50	TIME ALLOWED: 2 HOURS	

The exam includes three questions in 10 pages

Question No. (1): 50 MCQs(25 marks, 60 minutes)

Question No. (2): Match.....(11 marks, 25 minutes)

Question No. (3): Short notes.....(14 marks, 35 minutes)

All questions must be answered in the specified places . Use blue pen only. Answers using pencils will not be accepted.

Question No. (1):(25 marks, 60 minutes)

You are provided with 50 multiple choice questions, choose only one correct answer and record your choice in the corresponding place in the answer sheet 1

Answer sheet 1

No.	a	b	c	d	e	No.	a	b	c	d	e
1						26					
2						27					
3						28					
4						29					
5						30					
6						31					
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25						50					

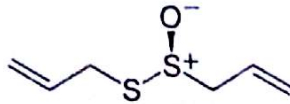
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13- The following herb (s) may interfere with coagulation except:

- a- garlic b- Aloe vera c- ginkgo d- turmeric e- ginger

14- The opposite compound is

- a- responsible for antilipidemic effect of garlic
b- allicin
c- both a and b
d- ajoene
e- alliin



15- Rauwolfia total extract is:

- a- used for treatment of hypertension b- used in circulatory impairment
c- contraindicated in case of depression d- has sympatholytic effects
e- all of the above except b

16- The following herbs are classified as aquaretics except:

- a- horsetail b- tea c- nettle d- garlic e- ginger

17- Red vine leaf extract:

- a- improves microvascular blood flow b- improves oxygen levels
c- both a and b d- treat edema e- all of them

18- The following herb (s) counteract the effect of antihypertensive drugs:

- a- ephedra b- licorice c- yohimbe d- all of them e- none of them

19- The following herb (s) interfere with immunosuppressive drug

- a- echinacea b- ginsengs c- licorice both a and c e- all of them

20- supposed to decrease symptoms of varicose veins, superficial thrombophlebitis, lymphatic edema and hemorrhoids.

- a- grape leaf b- aescin and HCSE c- chicoric acid and alkylamides
d- both a and c e- all of them

21- Garlic commercial products are standardized for their...

- a- allicin b- flavonoids c- sulfur compounds d- both a and b e- all of them

22- Dicoumarol is:

- a- anticoagulant b- occurs in moldy alfalfa hay c- both a and b
d- enhance the effects of anticoagulant e- all of them

23- GBE causes behavioral changes e.g increased task performance and behavior adaptation.

- a- ginkgo b- ginseng c- both a and b d- triterpene saponin e- none of them

24- is (are) used in early stages of heart failure, especially in patients with age-related degenerative changes in the heart muscle.

- a- hawthorn leaf b- digitaloid herbs c- adonis d- rauwolfia e- both a and d

- 25-enhance the influx of calcium into cardiac muscle fibers while only moderately increasing the oxygen demand.
 a- hawthorn b- procyanidins c- both a and b
 d- flavonoid e- all of them
- 26- Cold receptor stimulators are contraindicated in case of
 a- childhood diseases b- bronchial asthma c- small children
 d- both a and c e- all of them
- 27- There were no comparable synthetic preparations exist for
 a- Purple echinacea herb b- cold receptor stimulator
 c- immunostimulant d- both a and c e- all of them
- 28- The following herbal class (s) is (are) useful in case of acute sinusitis
 a- cold receptor stimulator b- immunostimulant c- both a and b
 d- diaphoretics e- secretolytics
- 29-has (have) febrifuge and anti-inflammatory effects due to the inhibition of prostaglandins by its (their) flavonoids.
 a- elder b- yarrow c- linden d- all of them e- none of them
- 30- is the most effective preparation in case of Purple Echinacea
 a- alcoholic extracts b- homeopathic tinctures c- both a and b
 d- instant teas e- all of them
- 31- The following herbs act as bronchospasmolytics except:
 a- thyme b- horseradish root c- primula root d- licorice root e- ivy leaf
- 32- The following herb (s) act as antitussives
 a- marshmallow root b- ivy leaf c- horseradish
 d- both a and c e- all of them
- 33 Oral hypericum preparations have the following effect (s)
 a- sleep promoting b- analgesic c- antidepressant
 d- both a and c e- all of them
- 34- Oxidation products of humulone and lupulone are assumed to be responsible for the sleep promoting effect of
 a- passion flower b- hop cones c- balm leaf
 d- valerian root e- none of them
- 35- Inhibition of monoamine oxidases A and B may play a role in the therapeutic action of.....
 a- kava extract b- passion flower c- hop cones
 d- balm leaf e- both a and d
- 36- is contraindicated in patients with preexisting liver conditions.
 a- guarana seed b- St. John's wort c- butterbur root
 d- both a and c e- none of them
- 37- One or more of the following herbal remedy (ies) is (are) useful in case of primary headache disorders
 a- butterbur root b- guarana seed c- both a and b d- valerian root e- all of them

- 38- The followings are true for St. John's wort except:
- a- antidepressant
 - b- inhibits dopamine β -hydroxylase
 - c- inhibits glutamate uptake
 - d- inhibits induction of the cytochrome P450 enzyme
 - e- up-regulate the density of HT2 receptors
- 39- was found to increase melatonin secretion, which may have a sleep-promoting effect.
- a- balm leaf
 - b- passion flower
 - c- lavender flower oil
 - d- both a and c
 - e- St. John's wort
- 40- is considered the main inflammatory constituent of arnica flower.
- a- sesquiterpene lactone
 - b- flavonoids
 - c- capsaicinoid
 - d- volatile oils
 - e- none of them
- 41- protects neurons from injurious effects due to the deficiency in blood supply.
- a- ginseng
 - b- ginger
 - c- ginkgo
 - d- rosemary
 - e- none of them
- 42- The following are true for ginseng except:
- a- boost energy
 - b- relieve stress
 - c- improve concentration
 - d- antirheumatic
 - e- adaptogen
- 43- may lead to aplastic anemia, alopecia, and myopathy when used for long-term.
- a- antirheumatic herbs
 - b- dandelion root
 - c- devil's claw root
 - d- meadow saffron
 - e- all of them
- 44- has (have) a combination of thermal and nociceptive properties.
- a- willow bark
 - b- aspen leaf and bark
 - c- cayenne fruit
 - d- goldenrod
 - e- none of them
- 45- Dandelion root and herb is contraindicated in case of
- a- biliary tract obstruction
 - b- heart failure
 - c- bowel obstruction
 - d- both a and c
 - e- both a and b
- 46- Antidyscratic herbal remedies are useful in case of
- a- patients taking none-steroidal antirheumatic drug
 - b- patients taking cortisone
 - c- both a and b
 - d- gout
 - e- rheumatic diseases
- 47- The clinical value of herbal medicine in rheumatic diseases may involve one or more of the followings:
- a- replace nonsteroidal antirheumatic drugs
 - b- antidyscratics
 - c- local Irritants
 - d- both a and b
 - e- all of them
- 48- inhibits cyclooxygenase and reduces the prostaglandin concentration in inflamed tissues without causing gastrointestinal side effects.
- a- willow bark
 - b- aspen leaf
 - c- salicin
 - d- all of them
 - e- none of them
- 49- A herbal remedy inhibits the proliferation of inflammation-causing cells and used in case of severe attack of arthritis
- a- goldenrod herb
 - b- colchicum
 - c- devil's claw root
 - d- stinging nettle
 - e- all of them
- 50- Sympathomimetic herbs can interact with monoamine oxidase inhibitors and may cause:
- a- impairment of absorption of MOAI
 - b- hypotensive effects
 - c- hypertensive crisis
 - d- both a and c
 - e- antidepressant effect

Question No. (2):
Match the number of the following statements with correct answer in answer sheet 2

- 1- A steroidal alkaloid derived from the bark of plant species (F. Apocynaceae) and used for treatment of amoebic-dysentery.
- 2- A herbal remedy for kinetosis.
- 3-enemas are used to treat oxyuriasis.
- 4-inhibits cell division in cell cultures and inhibit protein biosynthesis.
- 5- Prolonged use of pure oil/ alcoholic extract of → epileptic convulsions.
- 6- A herbal remedy for dyspepsia (using cholagogues and chloretics).
- 7- The chamomile tea inhibits the development of stomach ulcer due to.....
- 8- Witch hazel containsthat reduce skin redness by decreasing the blood flow to the skin and flavones that inhibit histamine release.
- 9- A synthetic alkaloid that was found to be less toxic for treatment of both hepatic and intestinal amoebiasis.
- 10- A herbal remedy for leishmaniasis.
- 11-is anthelmintic for round worms and less effective on thread worms, while on tape worms it has no effect.
- 12- Arbutin-containing herb, the tea should be prepared as a cold infusion to minimize the amount of tannins extracted.
- 13- Black cohosh is contraindicated for patients with
- 14- The main active constituents of marigold flower (*Calendula officinalis*) are.....
- 15- Boldo is contra-indicated in case of
- 16- A herbal remedy for *E. histolytica* infection and giardiasis.
- 17- Thread worm infection can be treated using.....
- 18- Shepherd's purse herb is recommended for treatment of
- 19- A herbal remedy for hair loss (Effluvium).
- 20- can be used as mouth wash for mouth ulcers.
- 21- Peppermint oil is the herbal drug of choice for treatment of.....
- 22- Pelletierine, isopelletierine, methyl pelletierine are liquid alkaloids present in.....

Answer sheet 2

Statement number	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
Bearberry leaves																						
Sage																						
Hamamelitannins																						
Santonin																						
Oregon grape root bark																						
Breast cancer																						
Garlic																						
Gallstones																						
Triterpene saponins																						
Artichoke																						
Conessine																						
Plumbagin																						
Irritable bowel syndrome																						
Bisabolol and mucilage																						
Pomegranate bark																						
Myrrh																						
Naphthyl isoquinoline Alkaloids (Strychnos spp)																						
Dehydroemetine																						
Stinging nettle herb																						
Quassia wood extracts																						
Ginger																						
Heavy menstrual bleeding																						

Question No. (3):(14 marks, 35 minutes)

Short notes:

1- Summarize the action, constituents, and contraindication of rosemary leaf. 3 marks

Action: -----

Constituents: -----

Contraindication: -----

2- Discuss the uses and pharmacology of EPO (Evening Primrose Oil). 2 marks

Uses: -----

Pharmacology: -----

3- Explain the mechanism of action and the active constituents of liquorice as anti-ulcer.

2 marks

Mechanism of action -----

